

Data File : VR026147.D
Acq On : 19 Oct 2018 13:31
Operator : SY/MD
Sample : MDL
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL

Quant Time: Oct 20 01:57:59 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	592068	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	497269	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	159139	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	194391	3.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.00%
7) Chloroethane-d5	2.63	69	184793	4.15	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	3.60	63	371353	2.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.40%#
20) 2-Butanone-d5	6.59	46	224541	52.78	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.56%
24) Chloroform-d	7.20	84	353571	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	7.90	65	155299	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
32) Benzene-d6	7.85	84	676956	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
36) 1,2-Dichloropropane-d6	8.90	67	197577	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	9.97	98	599011	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
43) trans-1,3-Dichloropropene-	10.24	79	40817	3.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.40%
46) 2-Hexanone-d5	10.59	63	174032	55.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.40%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	76662	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	117450	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

					Qvalue
3) Chloromethane	2.02	50	16556	0.262 ug/L	96
5) Vinyl chloride	2.17	62	9863	0.157 ug/L	97
6) Bromomethane	2.53	94	10374	0.250 ug/L	87
8) Chloroethane	2.66	64	11246	0.288 ug/L	96
9) Trichlorofluoromethane	2.94	101	13487	0.148 ug/L #	55
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	18035	0.333 ug/L #	68
12) 1,1-Dichloroethene	3.63	96	19758	0.343 ug/L #	1
13) Acetone	3.69	43	13470	3.063 ug/L	98
14) Carbon disulfide	3.93	76	31786	0.211 ug/L #	89
15) Methyl Acetate	4.21	43	1229	0.107 ug/L #	1
16) Methylene chloride	4.40	84	17661	0.338 ug/L	93
17) Methyl tert-butyl Ether	4.90	73	13306	0.255 ug/L #	78
18) trans-1,2-Dichloroethene	4.88	96	11123	0.255 ug/L	76
19) 1,1-Dichloroethane	5.70	63	21096	0.258 ug/L #	86
21) 2-Butanone	6.69	43	13378	2.637 ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	10630	0.258 ug/L #	61
23) Bromochloromethane	7.04	128	3010	0.261 ug/L	74

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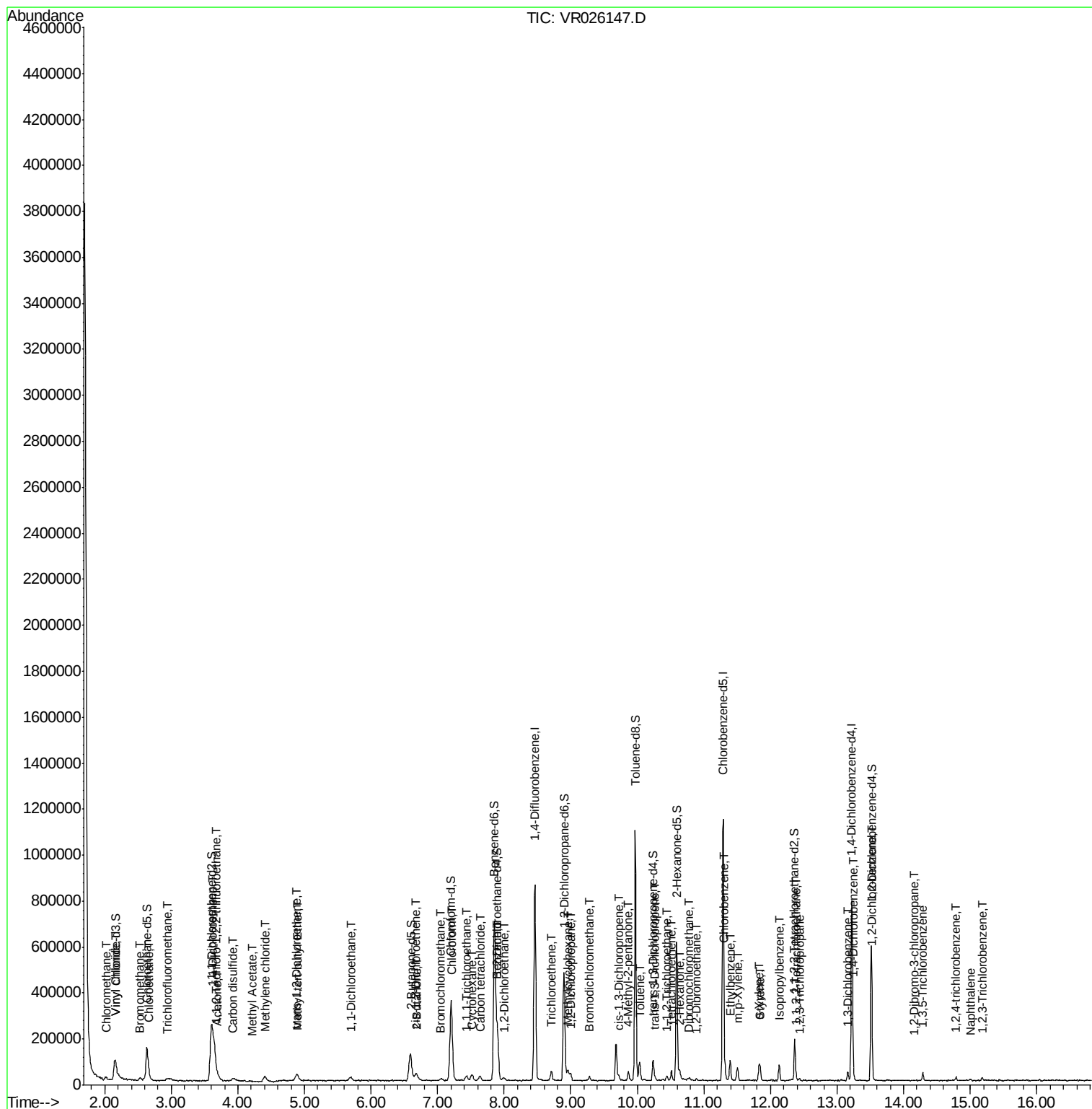
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.22	83	22123	0.277	ug/L	87
27) 1,2-Dichloroethane	8.00	62	10683	0.274	ug/L #	90
29) 1,1,1-Trichloroethane	7.44	97	16613	0.244	ug/L	95
30) Cyclohexane	7.51	56	11187	0.164	ug/L #	94
31) Carbon tetrachloride	7.63	117	14328	0.232	ug/L	95
33) Benzene	7.90	78	51644	0.277	ug/L	100
34) Trichloroethene	8.71	95	13046	0.273	ug/L #	78
35) Methylcyclohexane	8.95	83	12679	0.178	ug/L #	74
37) 1,2-Dichloropropane	9.00	63	11096	0.282	ug/L #	91
38) Bromodichloromethane	9.28	83	10051	0.237	ug/L #	81
39) cis-1,3-Dichloropropene	9.72	75	10945	0.243	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	25518	2.123	ug/L #	86
42) Toluene	10.04	91	49786	0.253	ug/L	94
44) trans-1,3-Dichloropropene	10.26	75	9106	0.289	ug/L	98
45) 1,1,2-Trichloroethane	10.45	97	5518	0.332	ug/L #	83
47) Tetrachloroethene	10.52	164	7463	0.219	ug/L	90
48) 2-Hexanone	10.63	43	20545	2.617	ug/L #	96
49) Dibromochloromethane	10.78	129	4150	0.222	ug/L	84
50) 1,2-Dibromoethane	10.88	107	3386	0.236	ug/L	84
51) Chlorobenzene	11.31	112	26896	0.247	ug/L	98
52) Ethylbenzene	11.39	91	47949	0.212	ug/L	97
53) m,p-Xylene	11.50	106	16375	0.198	ug/L	95
54) o-Xylene	11.83	106	13638	0.180	ug/L	91
55) Styrene	11.84	104	19176	0.165	ug/L	97
56) Isopropylbenzene	12.13	105	34896	0.166	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.39	83	4838	0.287	ug/L	95
59) 1,2,3-Trichloropropane	12.43	75	3211	0.259	ug/L	93
62) 1,3-Dichlorobenzene	13.16	146	10969	0.207	ug/L	85
63) 1,4-Dichlorobenzene	13.24	146	14820	0.271	ug/L	91
65) 1,2-Dichlorobenzene	13.53	146	12001	0.283	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.15	75	615	0.356	ug/L #	85
67) 1,3,5-Trichlorobenzene	14.29	180	7758	0.241	ug/L #	92
68) 1,2,4-trichlorobenzene	14.78	180	4627	0.246	ug/L	96
69) Naphthalene	15.00	128	2956	0.162	ug/L #	89
70) 1,2,3-Trichlorobenzene	15.17	180	3160	0.242	ug/L #	90

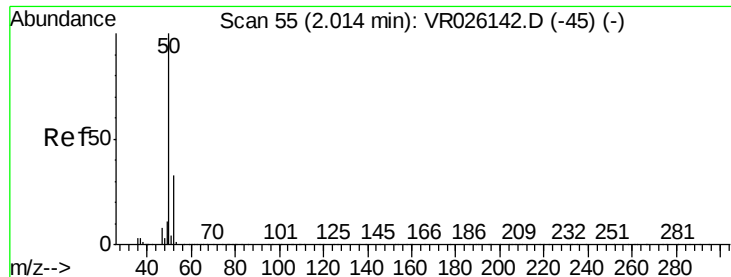
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.262 ug/L

RT: 2.02 min Scan# 56

Delta R.T. 0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

ClientSampleId :

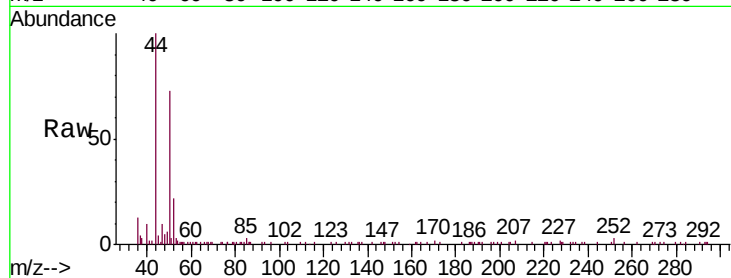
MDL

Tgt Ion: 50 Resp: 16556

Ion Ratio Lower Upper

50 100

52 29.4 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

2.02

8000

6000

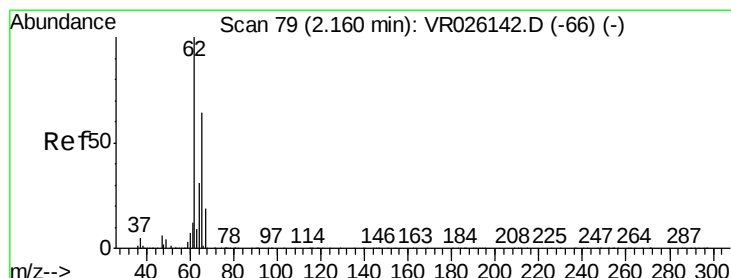
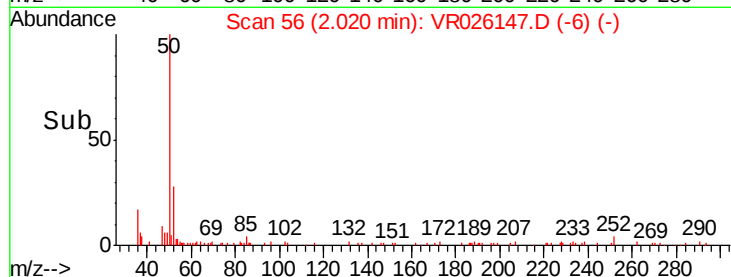
4000

2000

0

1.95 2.00 2.05 2.10

Time-->



#5

Vinyl chloride

Concen: 0.157 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.01 min

Lab File: VR026147.D

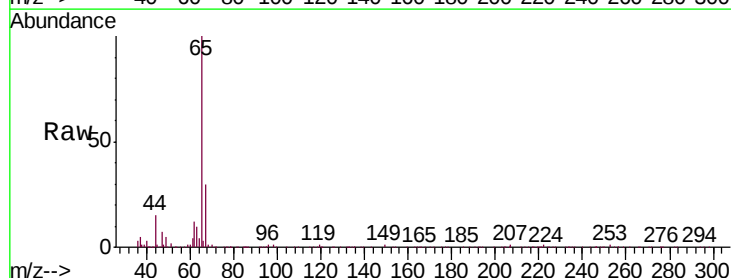
Acq: 19 Oct 2018 13:31

Tgt Ion: 62 Resp: 9863

Ion Ratio Lower Upper

62 100

64 32.5 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

2.17

5000

4000

3000

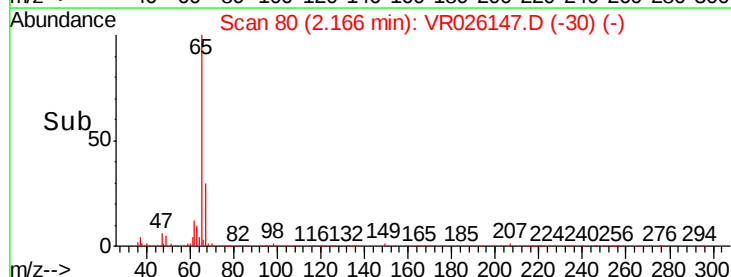
2000

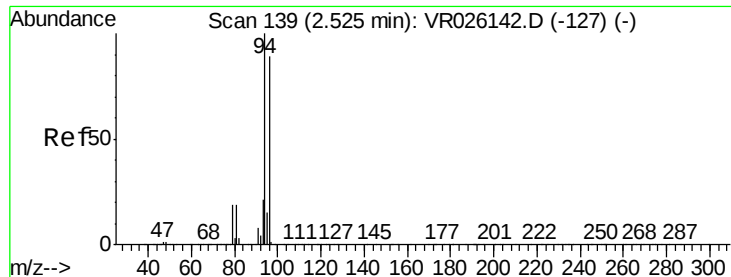
1000

0

2.10 2.15

Time-->





#6

Bromomethane

Concen: 0.250 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

ClientSampleId :

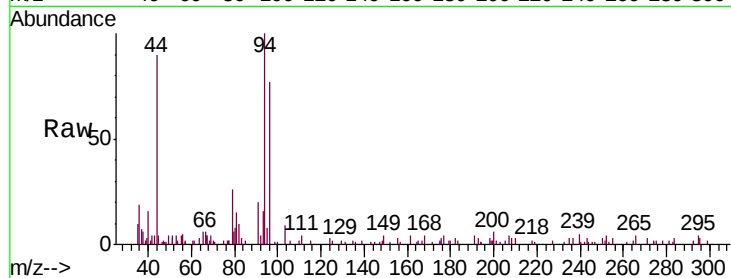
MDL

Tgt Ion: 94 Resp: 10374

Ion Ratio Lower Upper

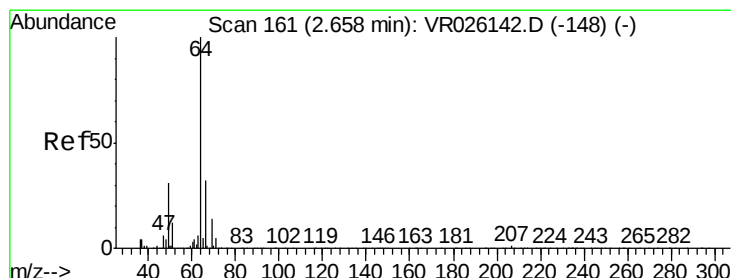
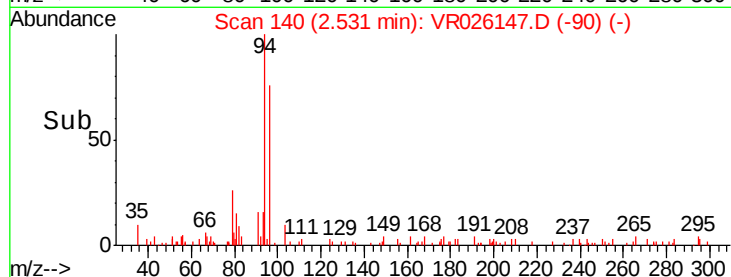
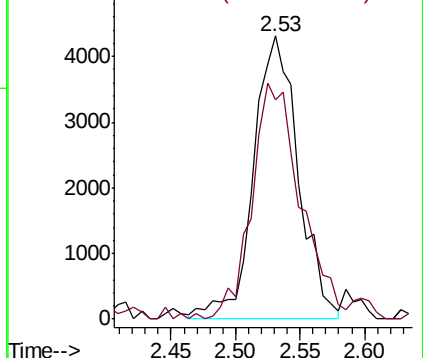
94 100

96 77.4 62.5 116.1



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0



#8

Chloroethane

Concen: 0.288 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.01 min

Lab File: VR026147.D

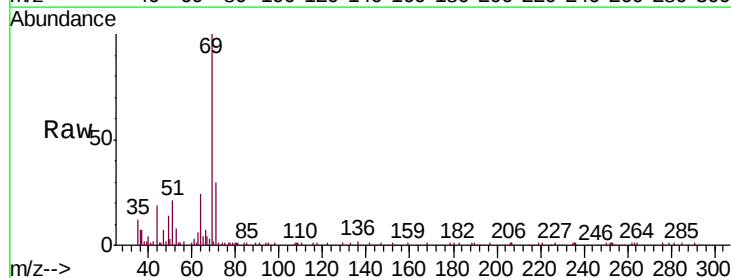
Acq: 19 Oct 2018 13:31

Tgt Ion: 64 Resp: 11246

Ion Ratio Lower Upper

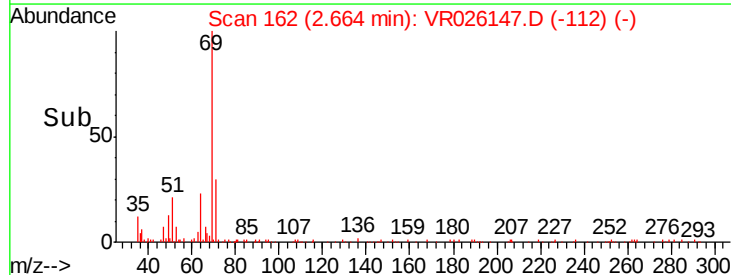
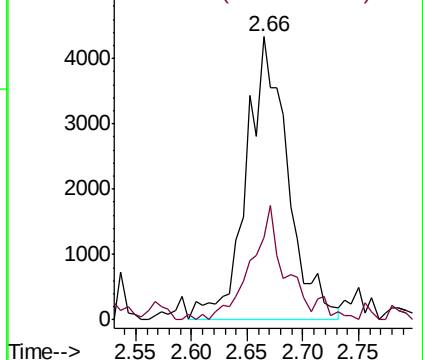
64 100

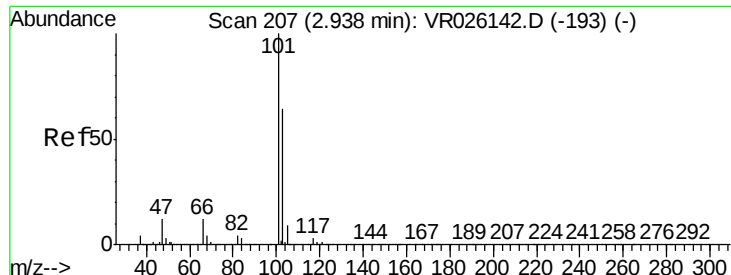
66 29.3 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0





#9

Trichlorofluoromethane

Concen: 0.148 ug/L

RT: 2.94 min Scan# 207

Delta R.T. -0.00 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

ClientSampleId :

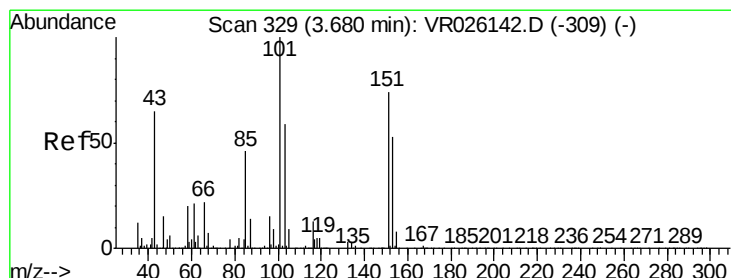
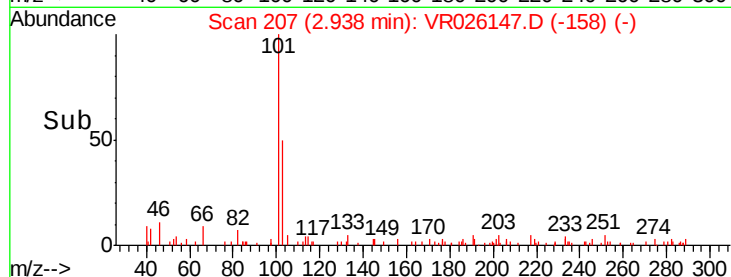
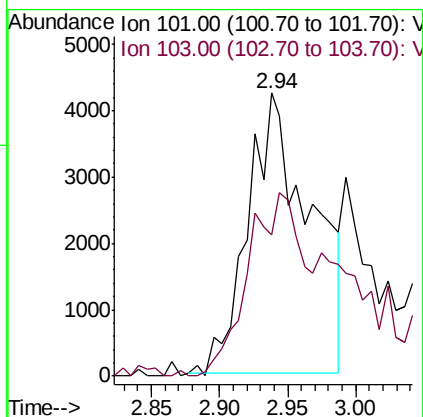
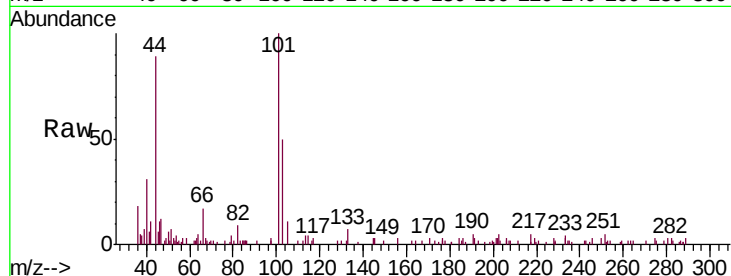
MDL

Tgt Ion:101 Resp: 13487

Ion Ratio Lower Upper

101 100

103 57.9 26.0 39.0#



#10

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

Concen: 0.333 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

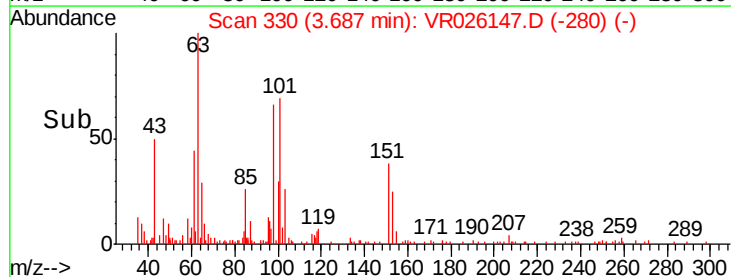
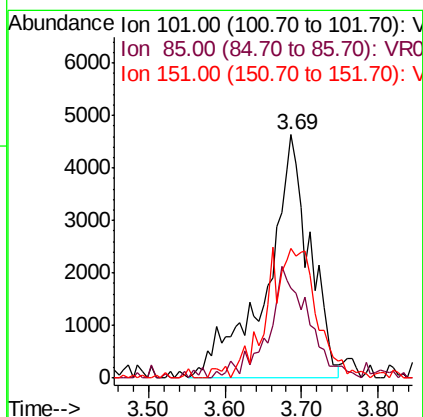
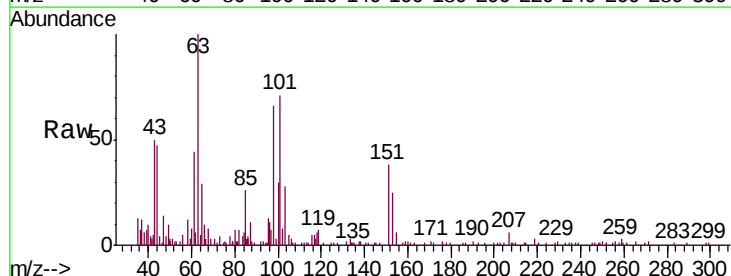
Tgt Ion:101 Resp: 18035

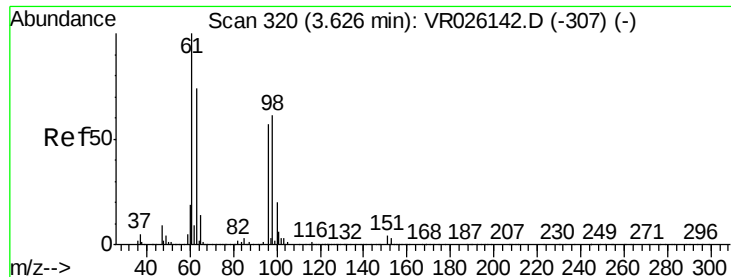
Ion Ratio Lower Upper

101 100

85 42.5 37.8 56.8

151 38.5 63.2 94.8#





#12

1,1-Dichloroethene

Concen: 0.343 ug/L

RT: 3.63 min Scan# 321

Delta R.T. 0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

ClientSampleId :

MDL

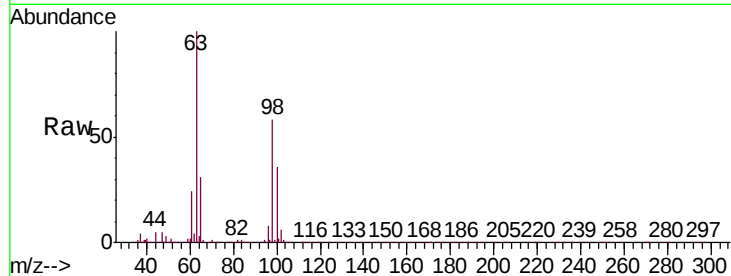
Tgt Ion: 96 Resp: 19758

Ion Ratio Lower Upper

96 100

61 306.4 126.7 235.3#

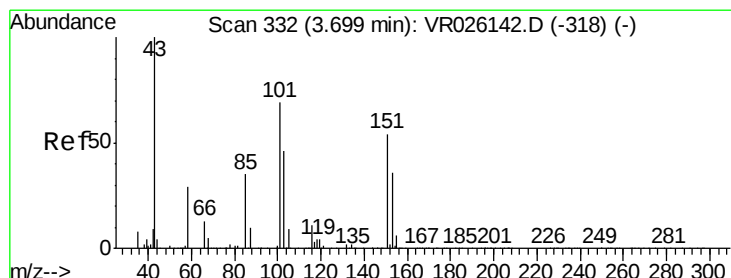
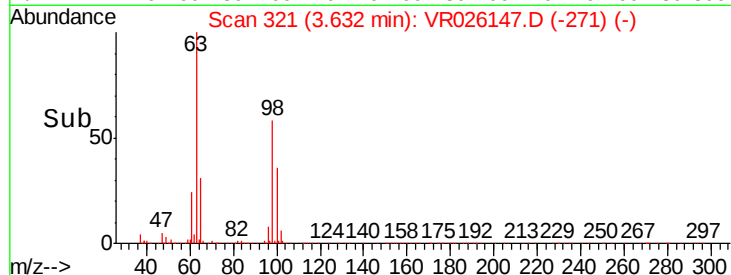
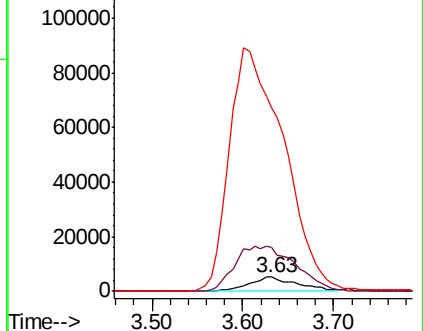
63 1272.9 125.0 232.2#



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0



#13

Acetone

Concen: 3.063 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.01 min

Lab File: VR026147.D

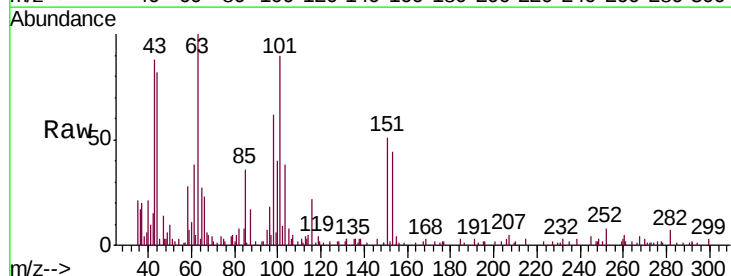
Acq: 19 Oct 2018 13:31

Tgt Ion: 43 Resp: 13470

Ion Ratio Lower Upper

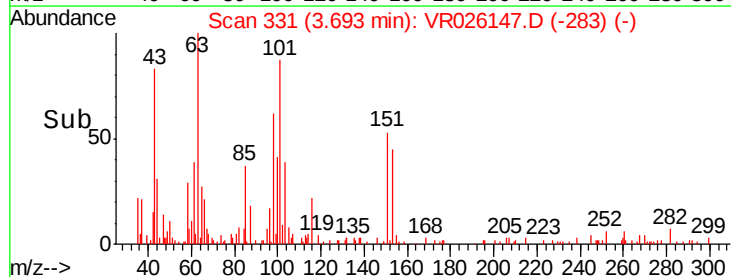
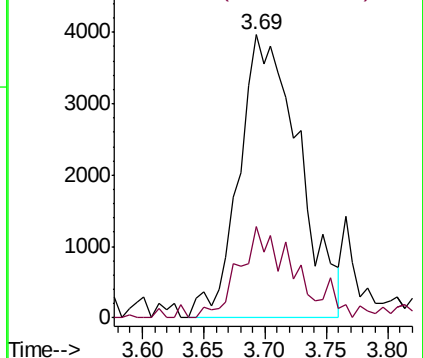
43 100

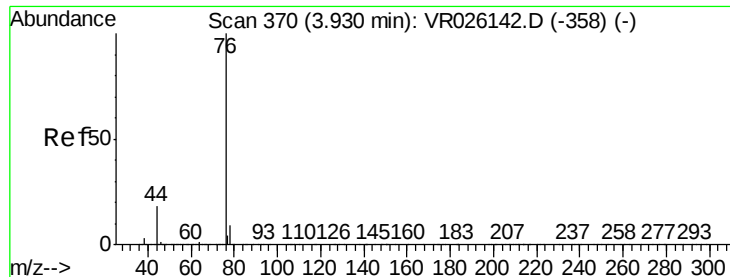
58 26.6 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0





#14

Carbon disulfide

Concen: 0.211 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.00 min

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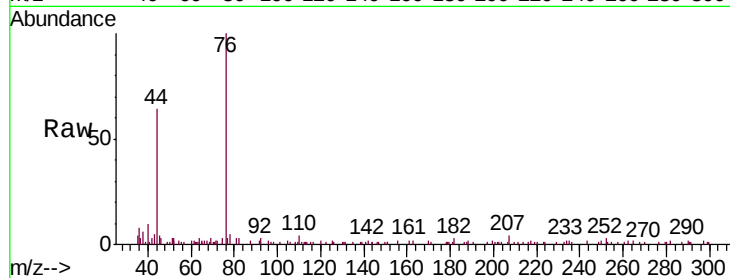
MDL

Tgt Ion: 76 Resp: 31786

Ion Ratio Lower Upper

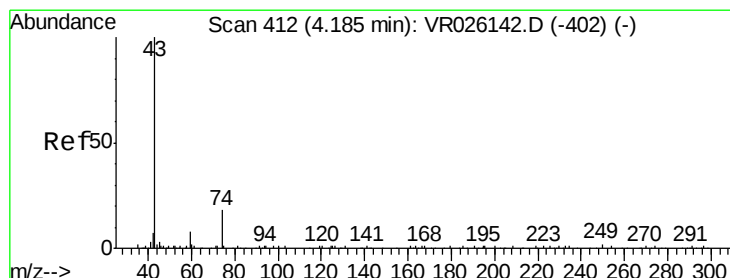
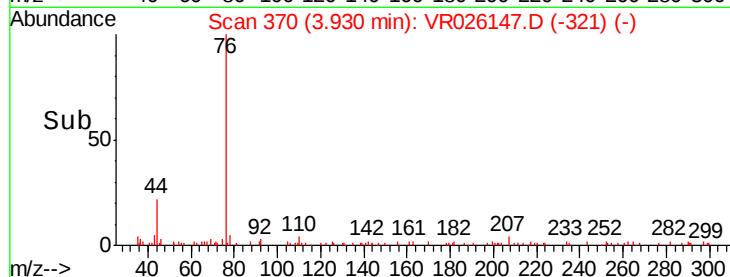
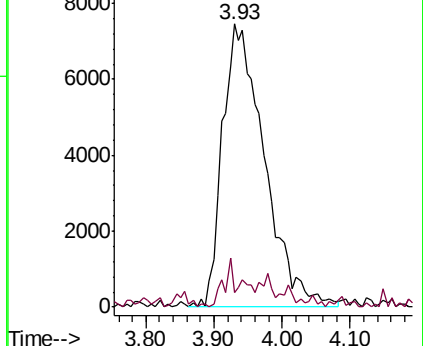
76 100

78 5.4 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: 0.107 ug/L

RT: 4.21 min Scan# 416

Delta R.T. 0.02 min

Lab File: VR026147.D

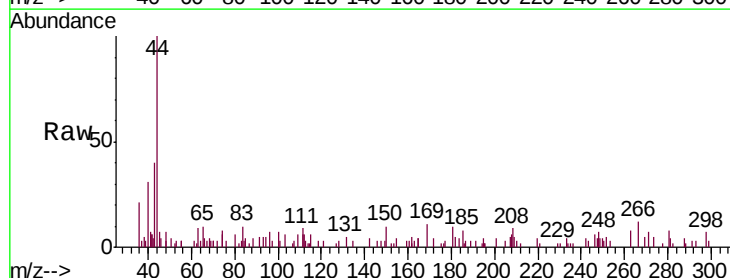
Acq: 19 Oct 2018 13:31

Tgt Ion: 43 Resp: 1229

Ion Ratio Lower Upper

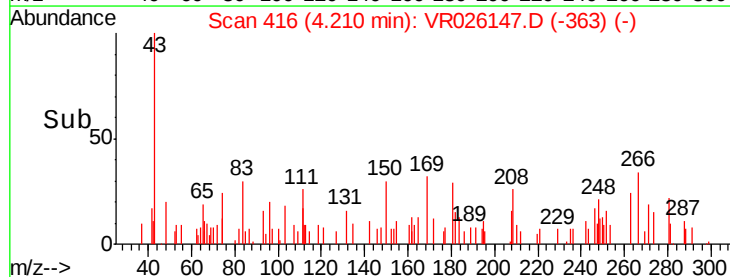
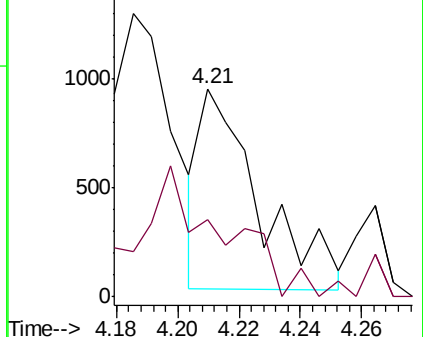
43 100

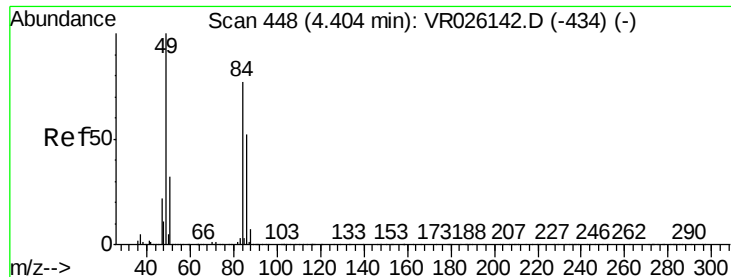
74 104.6 19.8 29.8#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0

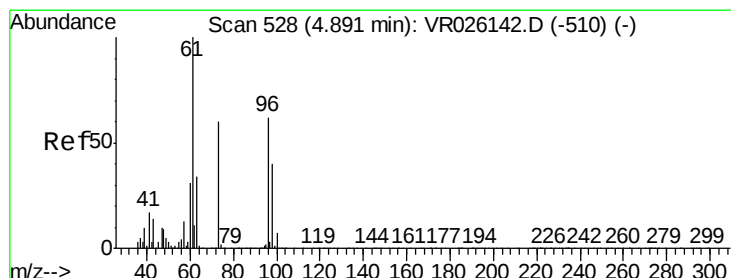
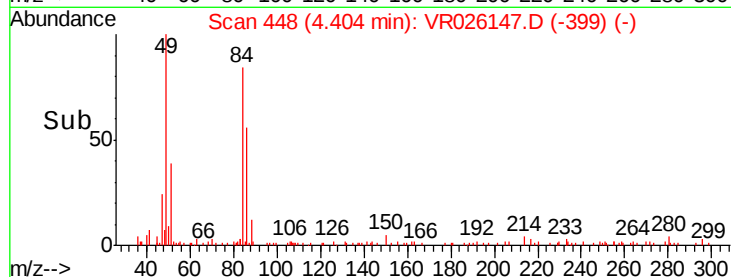
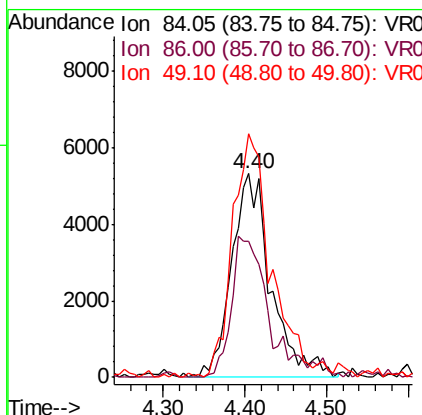
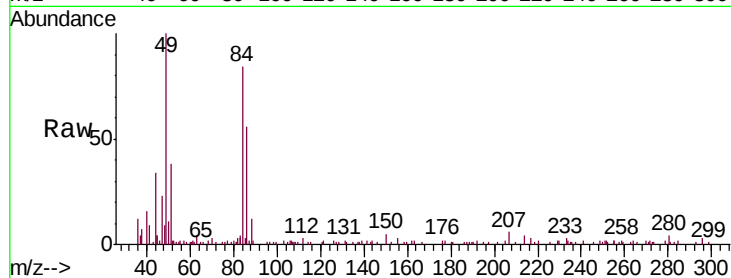




#16
Methylene chloride
Concen: 0.338 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

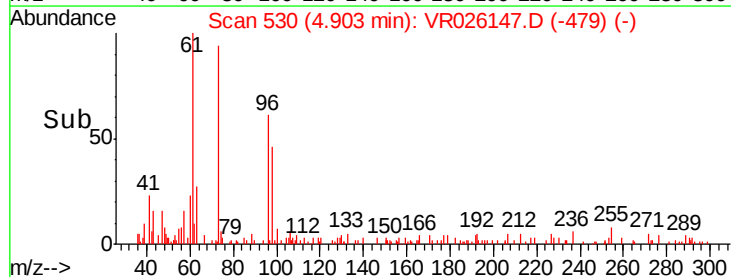
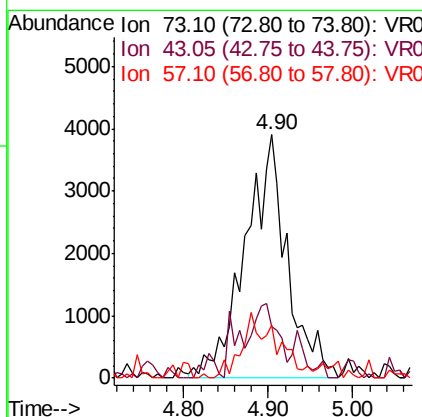
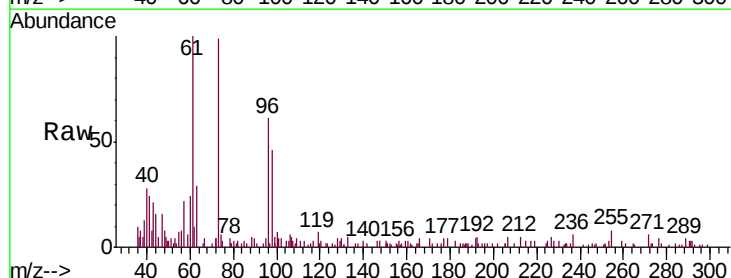
Instrument :
MSVOA_R
ClientSampleId :
MDL

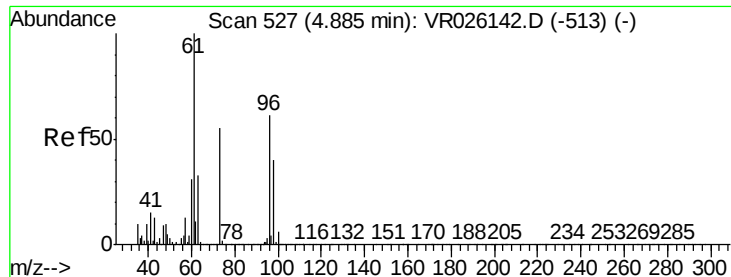
Tgt Ion: 84 Resp: 17661
Ion Ratio Lower Upper
84 100
86 66.6 43.0 79.8
49 119.4 89.1 165.5



#17
Methyl tert-butyl Ether
Concen: 0.255 ug/L
RT: 4.90 min Scan# 530
Delta R.T. 0.01 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Tgt Ion: 73 Resp: 13306
Ion Ratio Lower Upper
73 100
43 15.5 20.1 30.1#
57 11.2 19.0 28.4#





#18

trans-1,2-Dichloroethene

Concen: 0.255 ug/L

RT: 4.88 min Scan# 527

Delta R.T. -0.00 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

ClientSampleId :

MDL

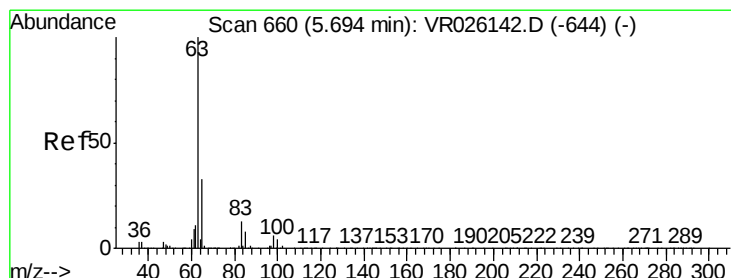
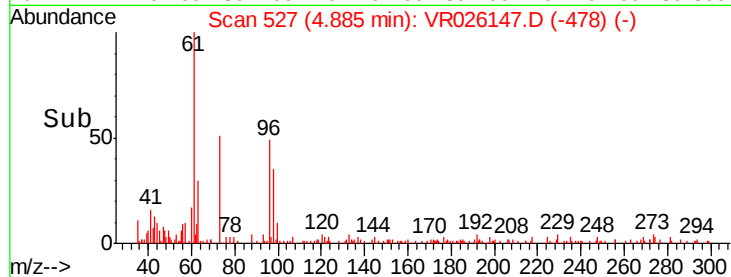
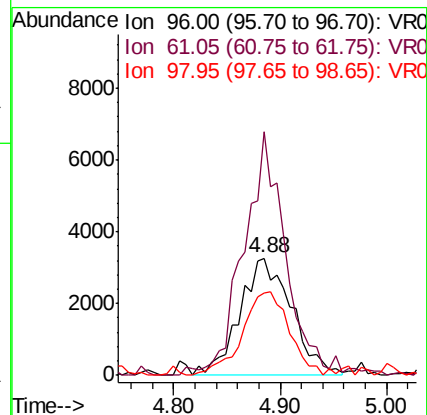
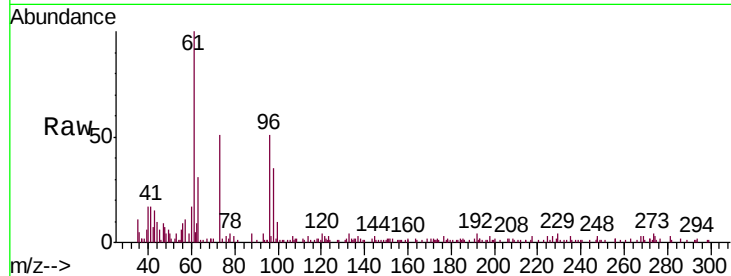
Tgt Ion: 96 Resp: 11123

Ion Ratio Lower Upper

96 100

61 197.3 111.4 206.8

98 66.2 41.4 77.0



#19

1,1-Dichloroethane

Concen: 0.258 ug/L

RT: 5.70 min Scan# 661

Delta R.T. 0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

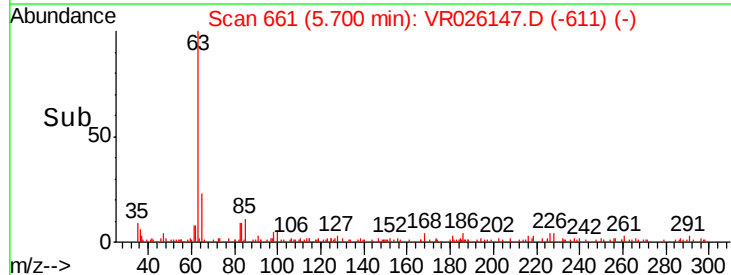
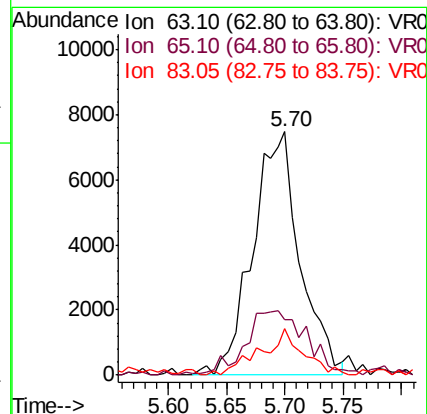
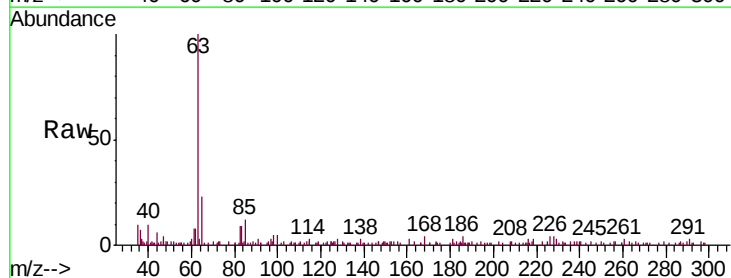
Tgt Ion: 63 Resp: 21096

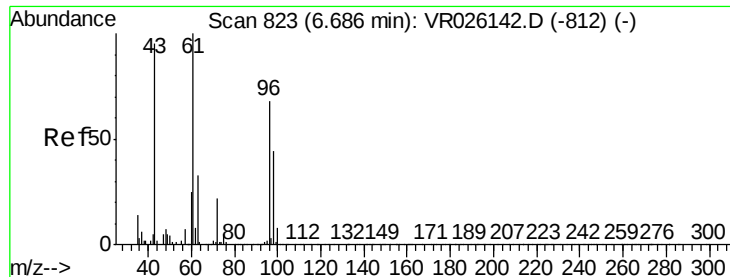
Ion Ratio Lower Upper

63 100

65 22.4 21.2 39.4

83 18.4 9.2 17.2#

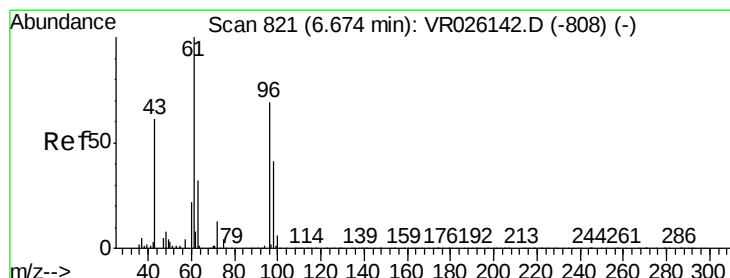
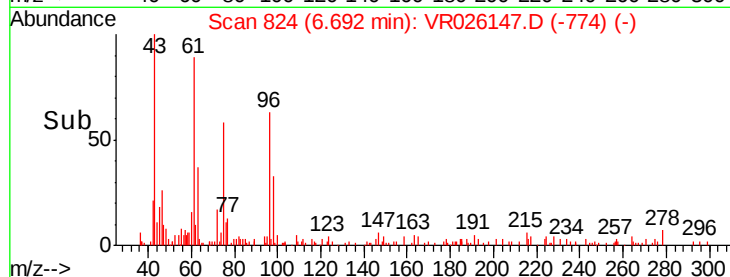
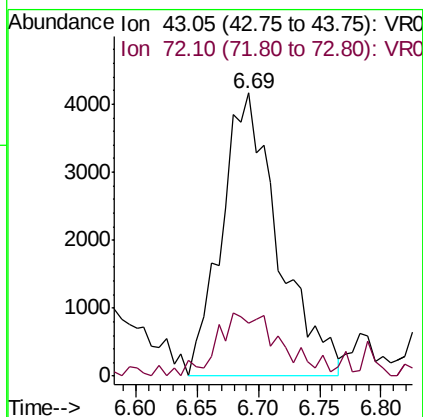
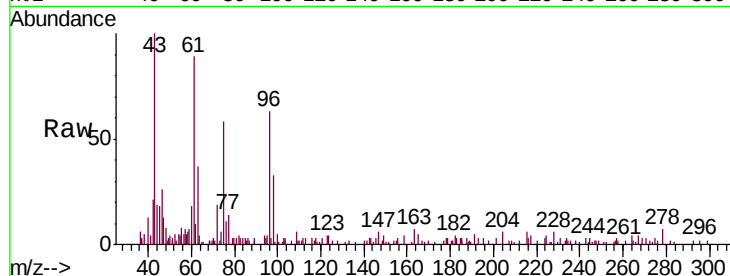




#21
2-Butanone
Concen: 2.637 ug/L
RT: 6.69 min Scan# 824
Delta R.T. 0.01 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

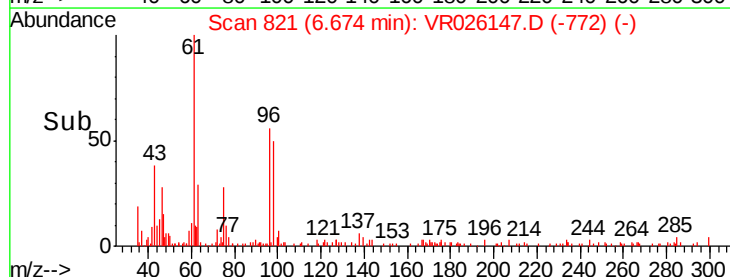
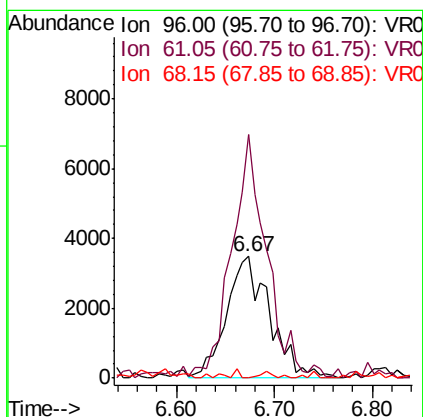
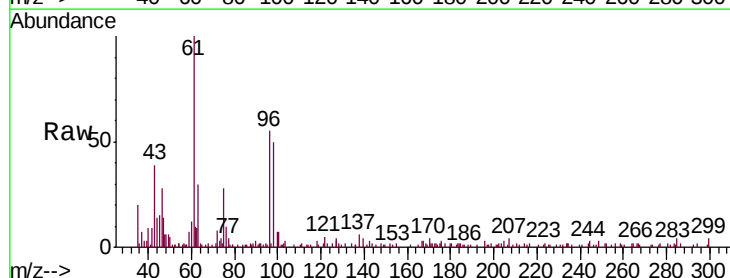
Instrument :
MSVOA_R
ClientSampleId :
MDL

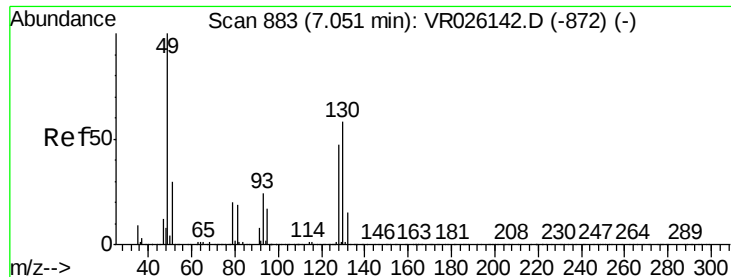
Tgt Ion: 43 Resp: 13378
Ion Ratio Lower Upper
43 100
72 24.3 12.3 36.8



#22
cis-1,2-Dichloroethene
Concen: 0.258 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Tgt Ion: 96 Resp: 10630
Ion Ratio Lower Upper
96 100
61 194.6 101.8 189.0#
68 0.0 0.1 0.3#





#23

Bromochloromethane

Concen: 0.261 ug/L

RT: 7.04 min Scan# 882

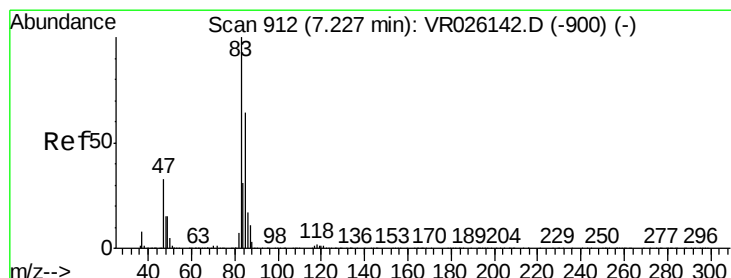
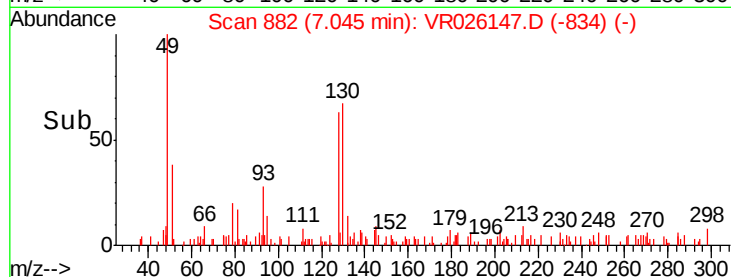
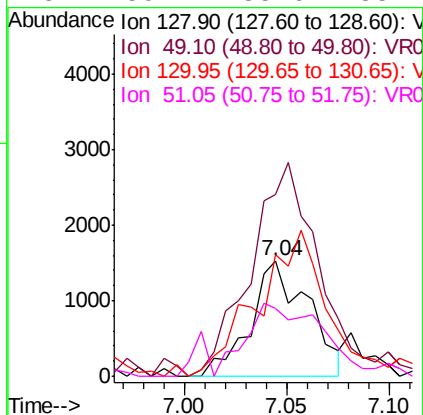
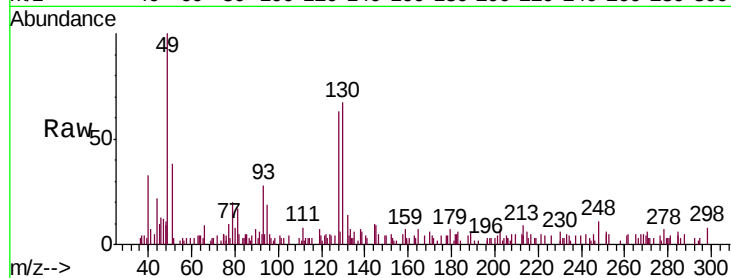
Delta R.T. -0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :
MSVOA_R
ClientSampleId :
MDL

Tgt Ion:	128	Resp:	3010
Ion	Ratio	Lower	Upper
128	100		
49	158.0	146.2	271.4
130	105.9	92.5	171.7
51	59.4	55.6	83.4



#25

Chloroform

Concen: 0.277 ug/L

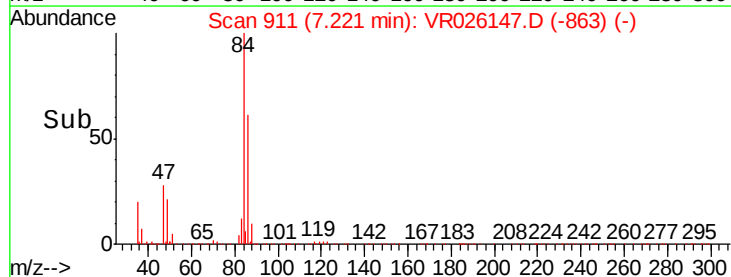
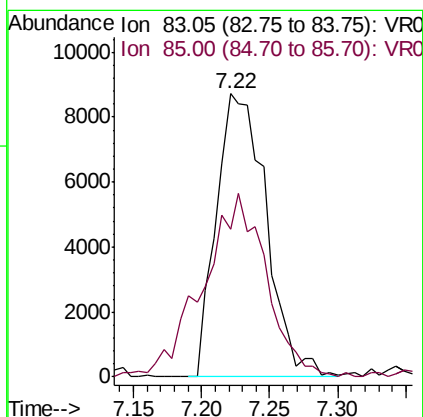
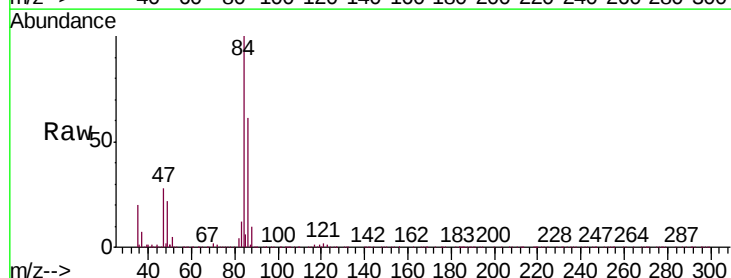
RT: 7.22 min Scan# 911

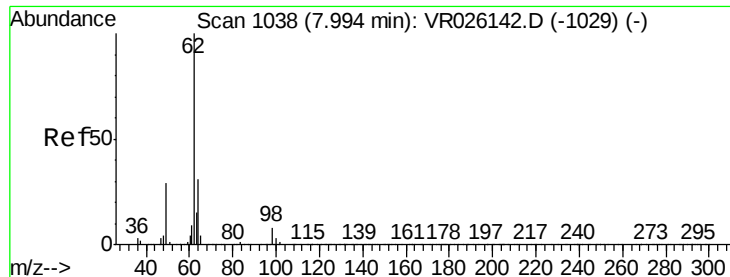
Delta R.T. -0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Tgt Ion:	83	Resp:	22123
Ion	Ratio	Lower	Upper
83	100		
85	52.3	43.5	80.7

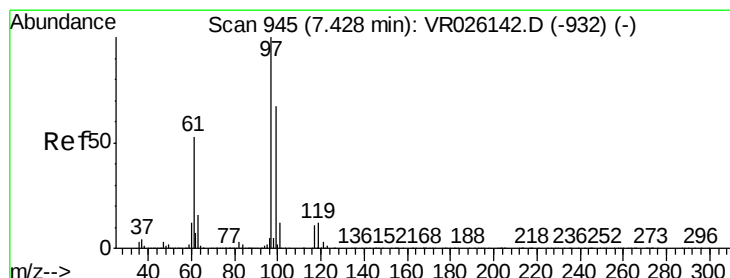
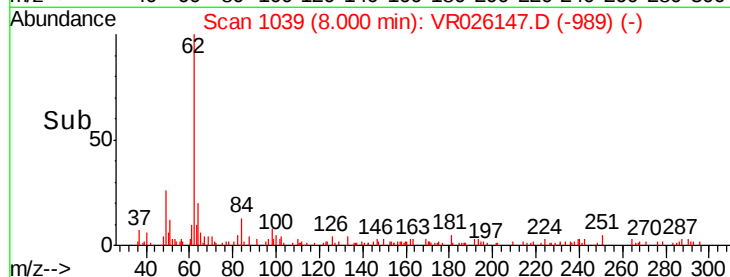
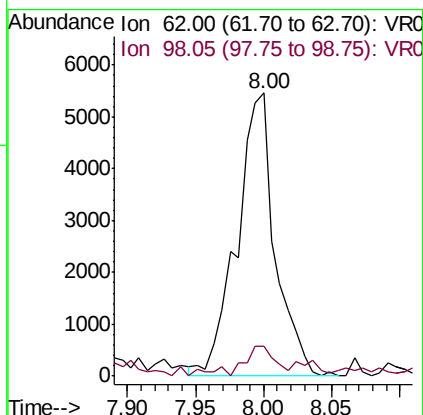
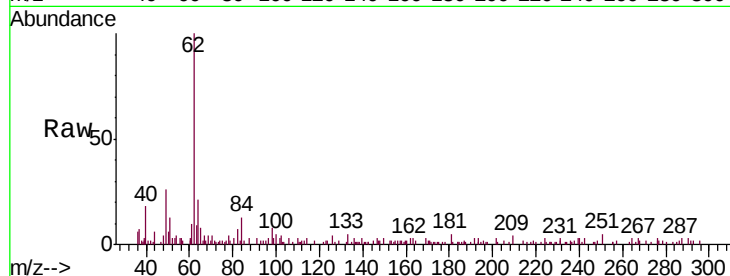




#27
 1,2-Dichloroethane
 Concen: 0.274 ug/L
 RT: 8.00 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

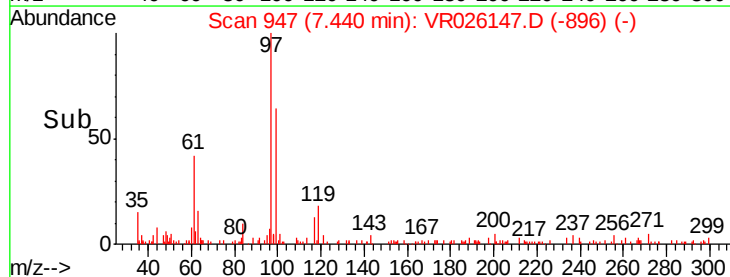
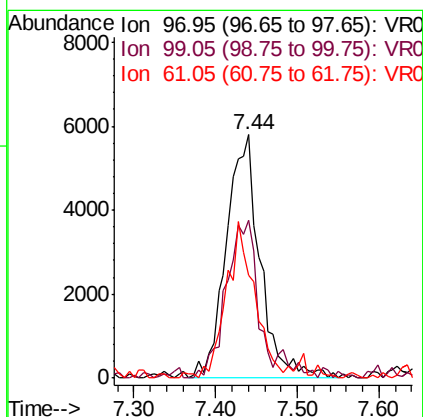
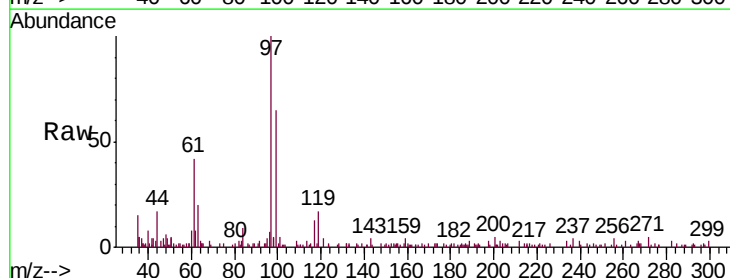
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

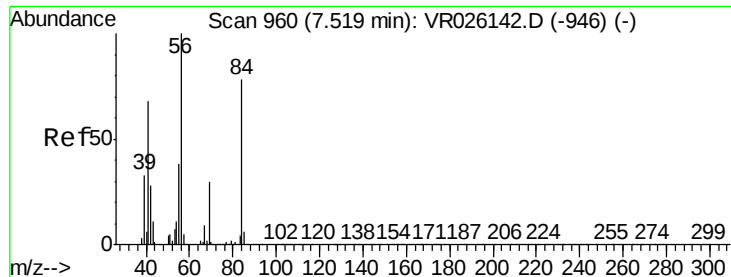
Tgt Ion: 62 Resp: 10683
 Ion Ratio Lower Upper
 62 100
 98 10.5 5.6 8.4#



#29
 1,1,1-Trichloroethane
 Concen: 0.244 ug/L
 RT: 7.44 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

Tgt Ion: 97 Resp: 16613
 Ion Ratio Lower Upper
 97 100
 99 58.2 51.1 76.7
 61 54.4 42.1 63.1

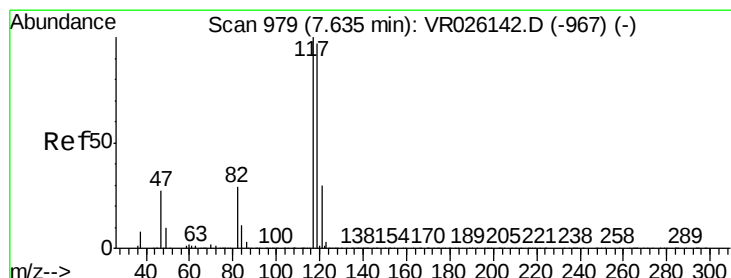
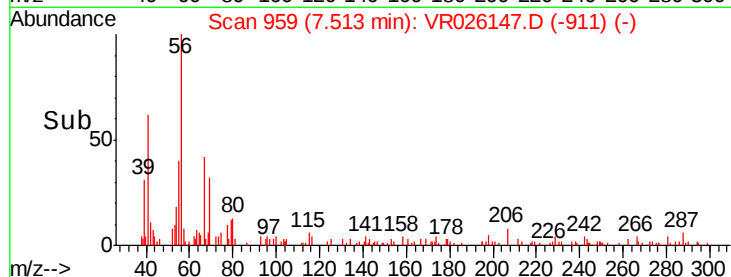
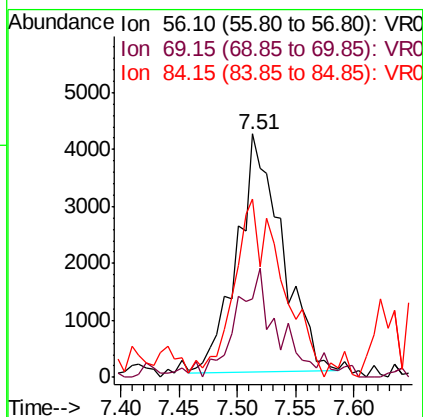
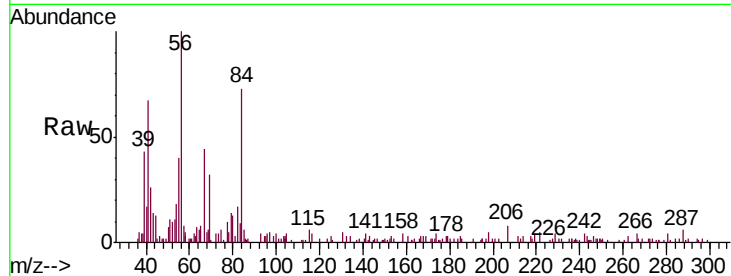




#30
Cyclohexane
Concen: 0.164 ug/L
RT: 7.51 min Scan# 959
Delta R.T. -0.01 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

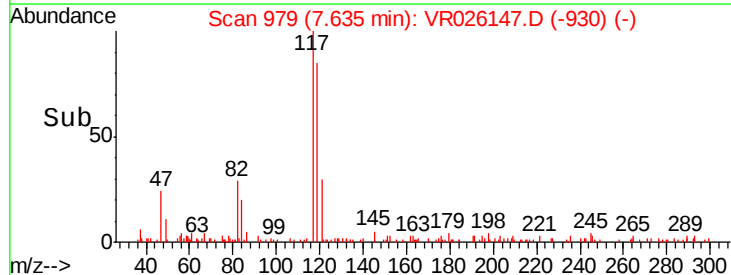
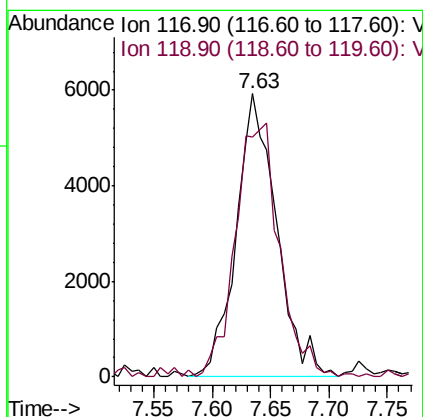
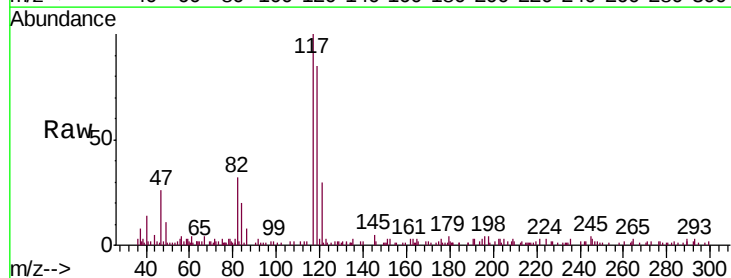
Instrument :
MSVOA_R
ClientSampled :
MDL

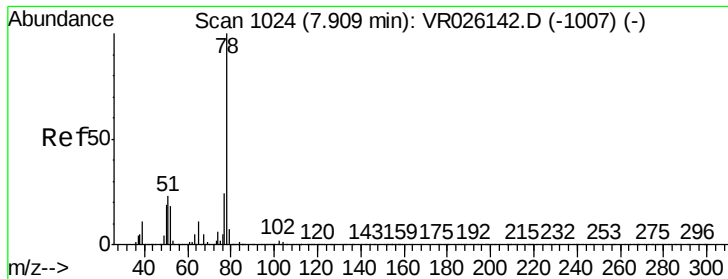
Tgt Ion: 56 Resp: 11187
Ion Ratio Lower Upper
56 100
69 36.9 23.8 35.8#
84 80.9 62.2 93.4



#31
Carbon tetrachloride
Concen: 0.232 ug/L
RT: 7.63 min Scan# 979
Delta R.T. -0.00 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Tgt Ion: 117 Resp: 14328
Ion Ratio Lower Upper
117 100
119 97.7 74.2 111.2





#33

Benzene

Concen: 0.277 ug/L

RT: 7.90 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

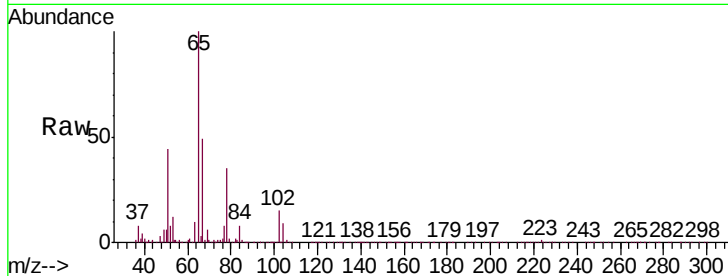
Instrument :

MSVOA_R

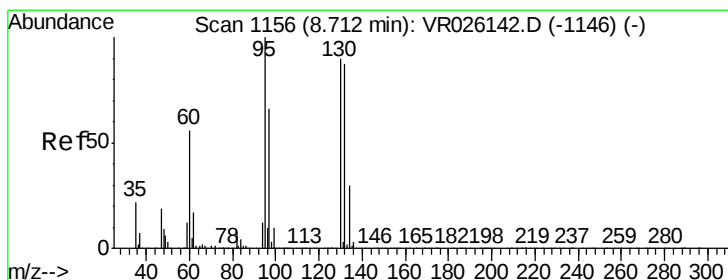
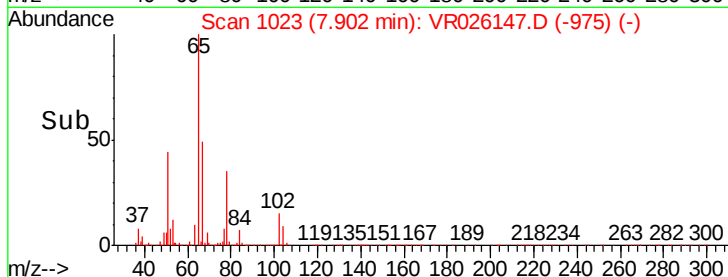
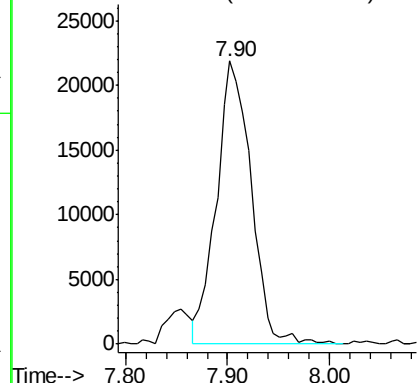
ClientSampleId :

MDL

Tgt Ion: 78 Resp: 51644



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 0.273 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Tgt Ion: 95 Resp: 13046

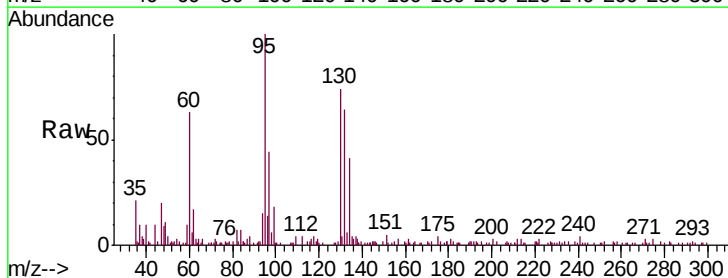
Ion	Ratio	Lower	Upper
95	100		
97	43.6	45.7	84.9#
132	64.1	58.3	108.3
130	74.2	64.0	119.0

95 100

97 43.6 45.7 84.9#

132 64.1 58.3 108.3

130 74.2 64.0 119.0

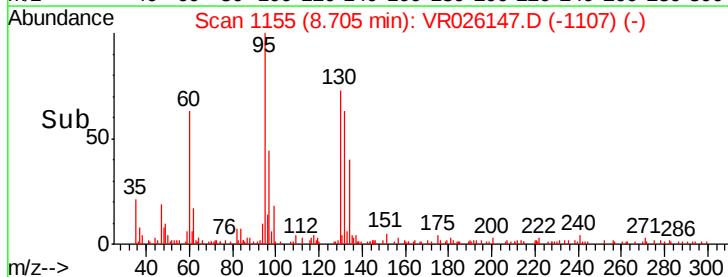
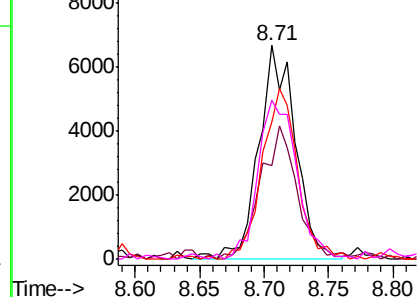


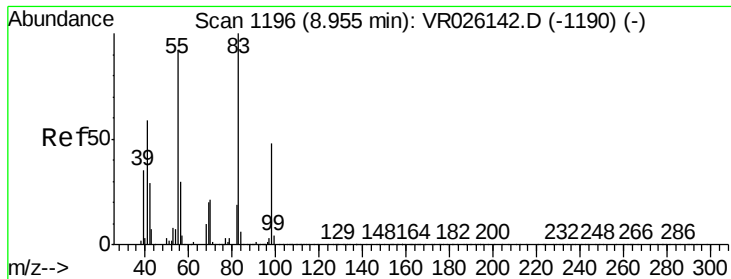
Abundance Ion 95.00 (94.70 to 95.70): VR0

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

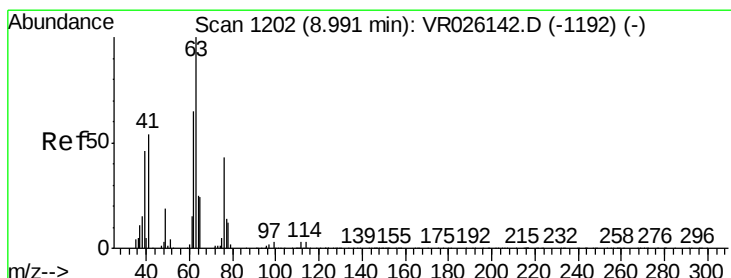
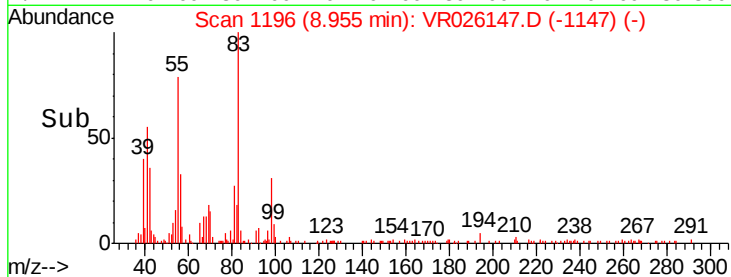
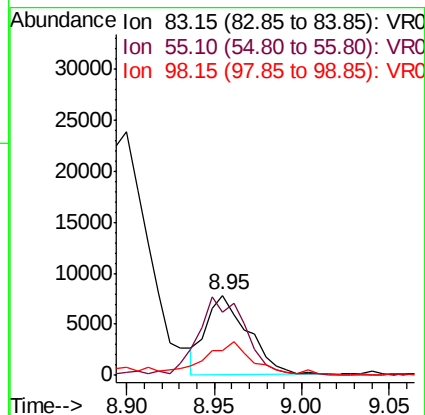
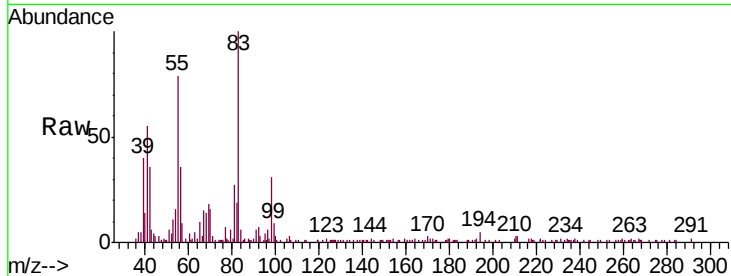




#35
Methylcyclohexane
Concen: 0.178 ug/L
RT: 8.95 min Scan# 1196
Delta R.T. -0.00 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

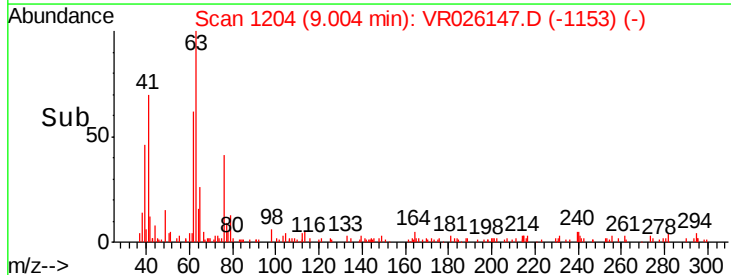
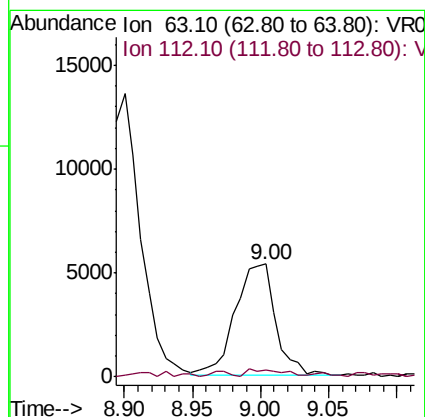
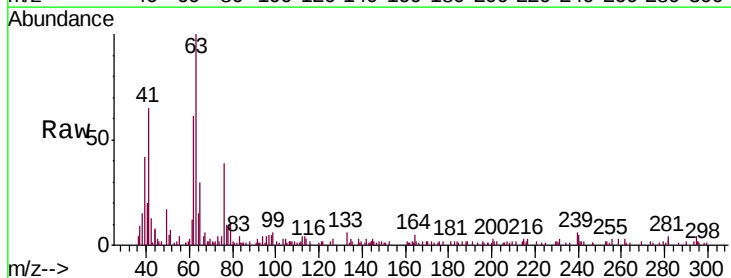
Instrument :
MSVOA_R
ClientSampleId :
MDL

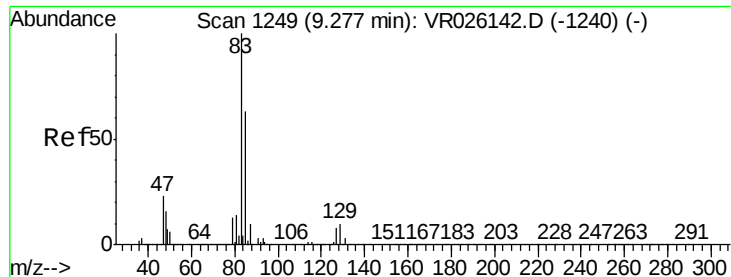
Tgt Ion: 83 Resp: 12679
Ion Ratio Lower Upper
83 100
55 115.5 66.8 100.2#
98 49.0 35.2 52.8



#37
1,2-Dichloropropane
Concen: 0.282 ug/L
RT: 9.00 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Tgt Ion: 63 Resp: 11096
Ion Ratio Lower Upper
63 100
112 6.3 2.7 4.1#





#38

Bromodichloromethane

Concen: 0.237 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

ClientSampleId :

MDL

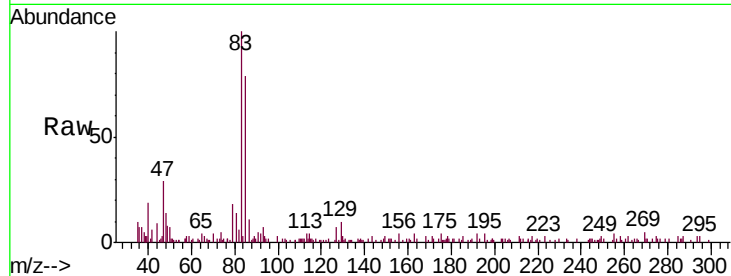
Tgt Ion: 83 Resp: 10051

Ion Ratio Lower Upper

83 100

85 78.6 43.5 80.7

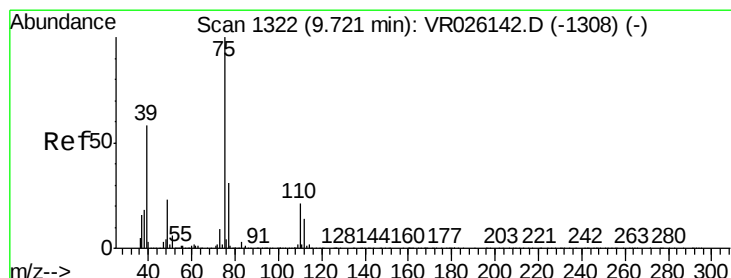
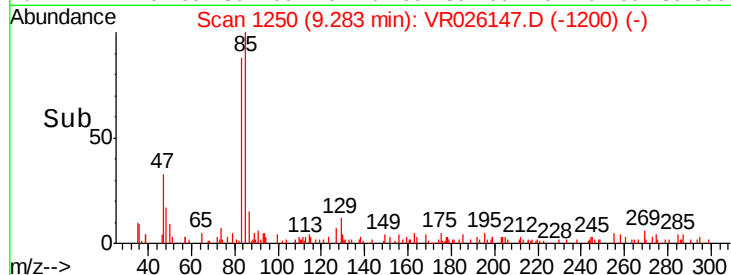
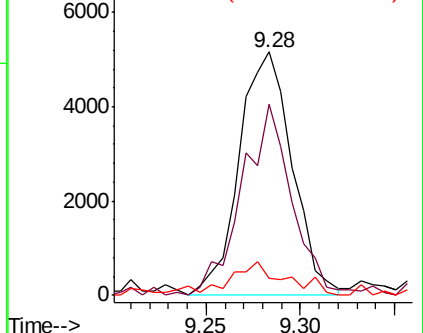
127 6.8 7.0 10.6#



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: 0.243 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VR026147.D

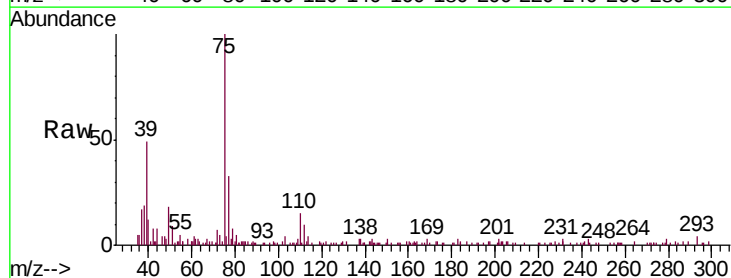
Acq: 19 Oct 2018 13:31

Tgt Ion: 75 Resp: 10945

Ion Ratio Lower Upper

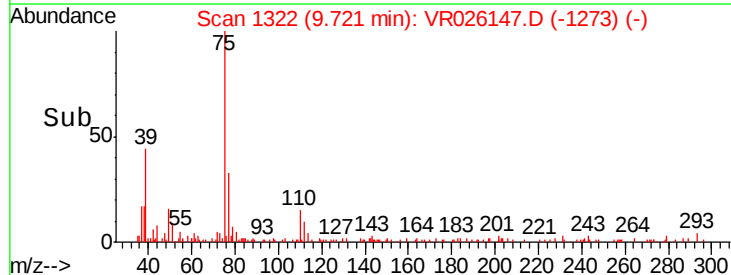
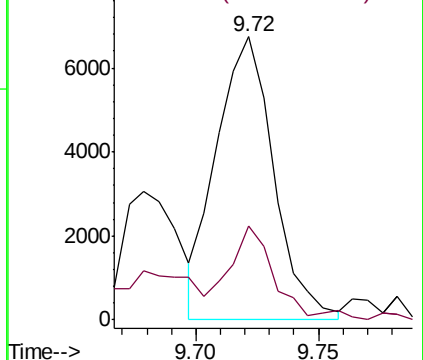
75 100

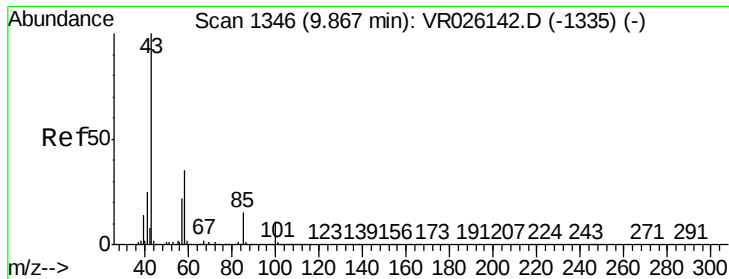
77 33.3 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

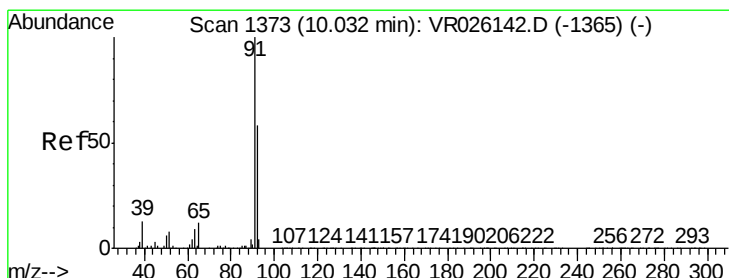
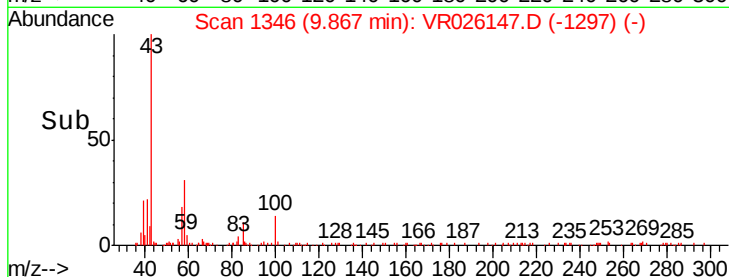
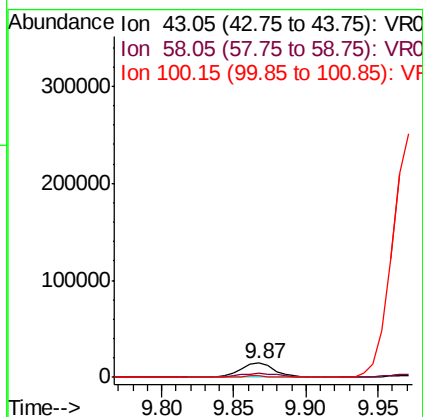
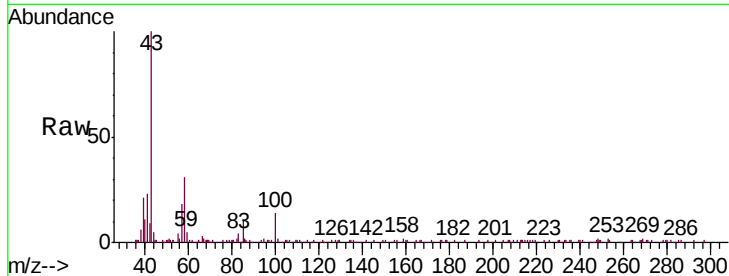




#40
 4-Methyl-2-pentanone
 Concen: 2.123 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

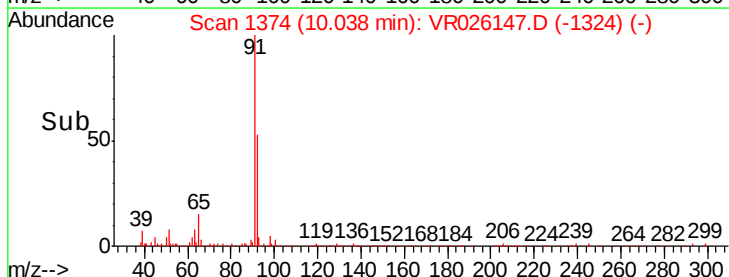
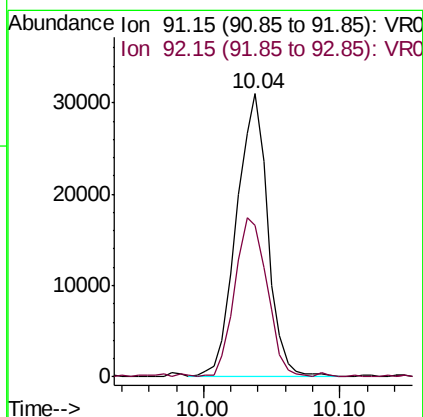
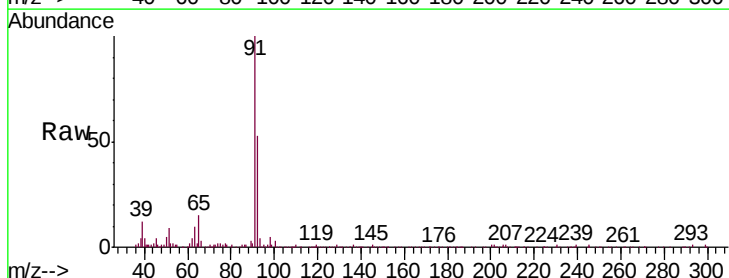
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

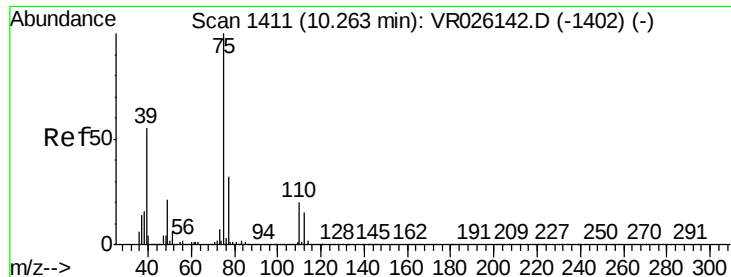
Tgt Ion: 43 Resp: 25518
 Ion Ratio Lower Upper
 43 100
 58 30.3 28.1 42.1
 100 0.0 9.3 13.9#



#42
 Toluene
 Concen: 0.253 ug/L
 RT: 10.04 min Scan# 1374
 Delta R.T. 0.01 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

Tgt Ion: 91 Resp: 49786
 Ion Ratio Lower Upper
 91 100
 92 53.5 40.8 75.8





#44

trans-1,3-Dichloropropene

Concen: 0.289 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

ClientSampled :

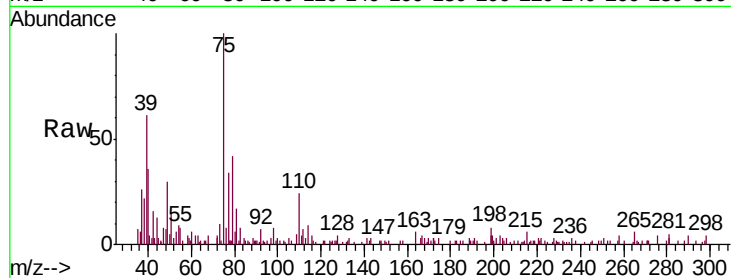
MDL

Tgt Ion: 75 Resp: 9106

Ion Ratio Lower Upper

75 100

77 35.4 24.1 44.7



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

10.26

4000

3000

2000

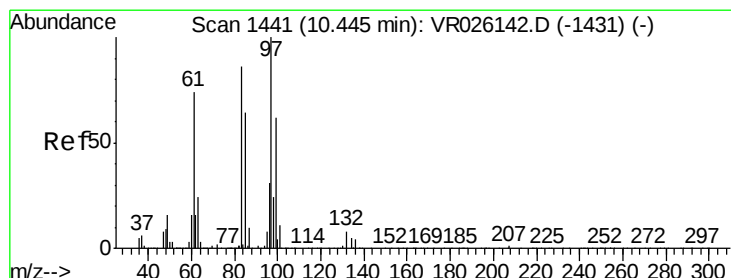
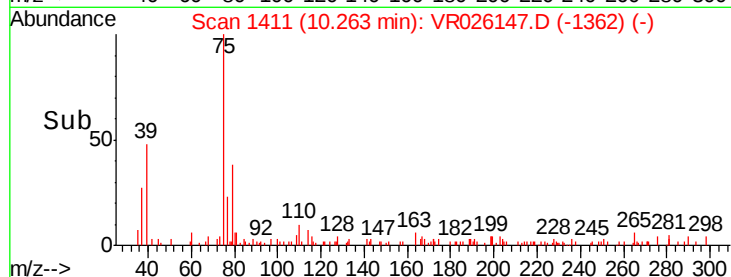
1000

0

Time-->

10.20

10.30



#45

1,1,2-Trichloroethane

Concen: 0.332 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Tgt Ion: 97 Resp: 5518

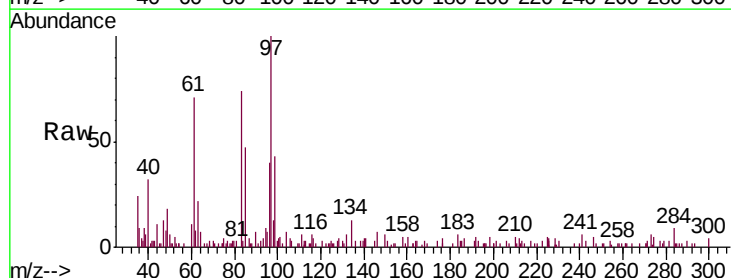
Ion Ratio Lower Upper

97 100

99 42.7 42.8 79.4#

83 74.1 61.9 114.9

85 46.8 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

5000

4000

3000

2000

1000

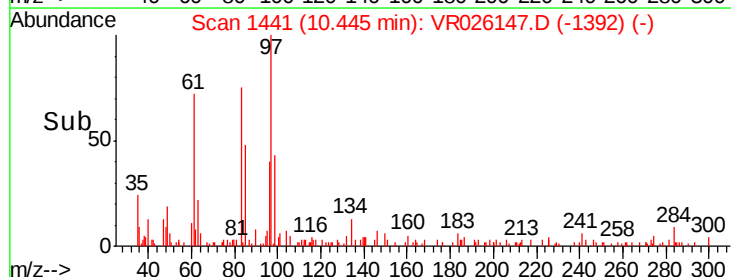
0

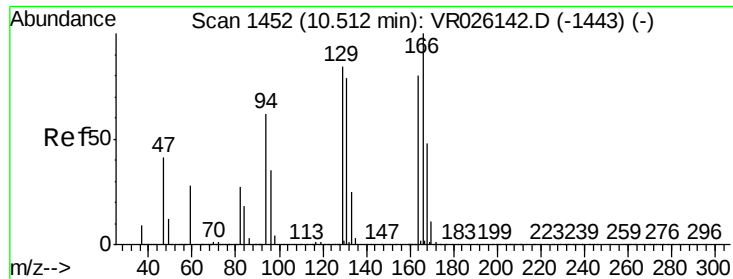
Time-->

10.40

10.45

10.50





#47

Tetrachloroethene

Concen: 0.219 ug/L

RT: 10.52 min Scan# 1453

Delta R.T. 0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

ClientSampleId :

MDL

Tgt Ion:164 Resp: 7463

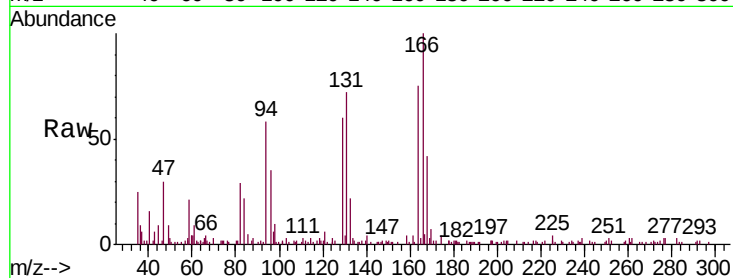
Ion Ratio Lower Upper

164 100

129 79.8 70.3 130.5

131 95.3 67.3 125.1

166 132.6 86.1 159.9

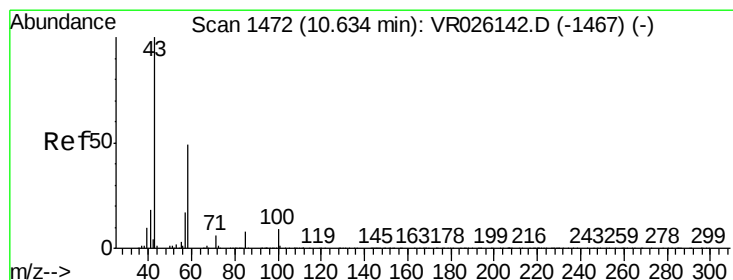
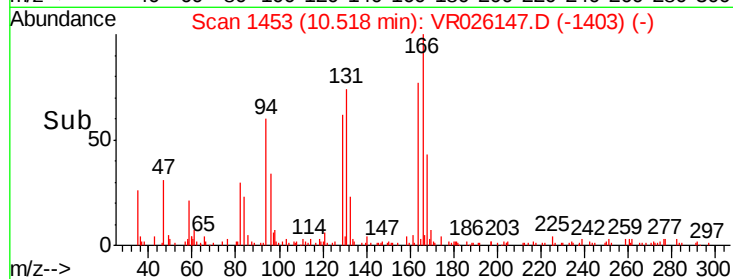
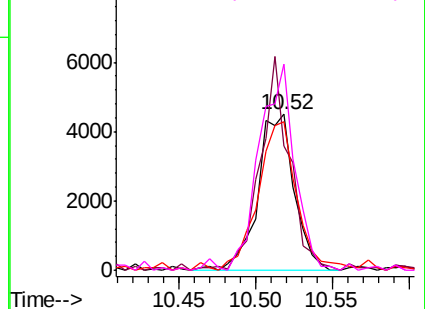


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.617 ug/L

RT: 10.63 min Scan# 1472

Delta R.T. -0.00 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Tgt Ion: 43 Resp: 20545

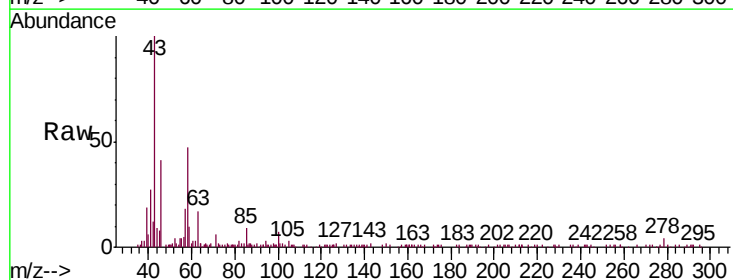
Ion Ratio Lower Upper

43 100

58 47.1 39.6 59.4

57 18.5 14.0 21.0

100 11.4 7.0 10.6#

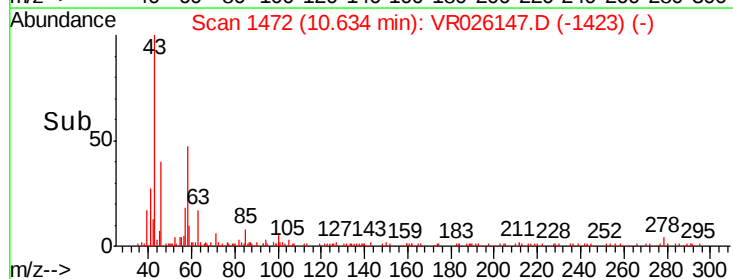
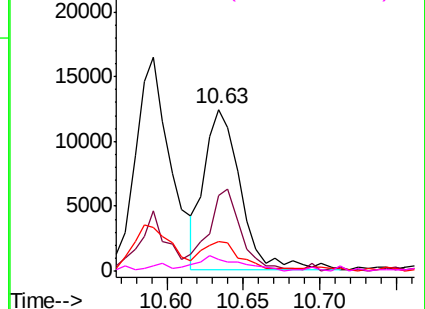


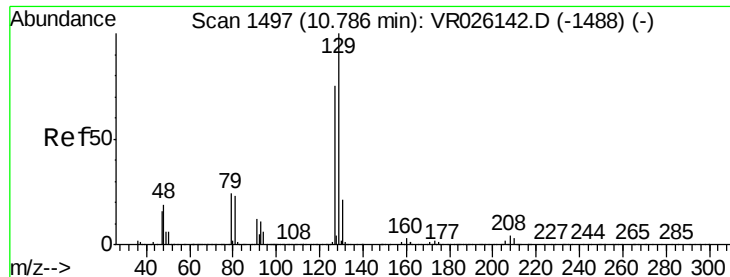
Abundance Ion 43.05 (42.75 to 43.75): VR0

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: 0.222 ug/L

RT: 10.78 min Scan# 1496

Delta R.T. -0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

ClientSampleId :

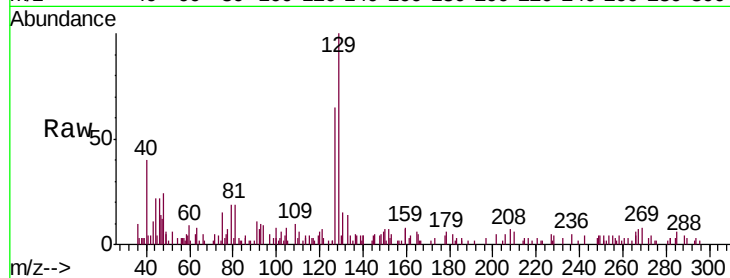
MDL

Tgt Ion:129 Resp: 4150

Ion Ratio Lower Upper

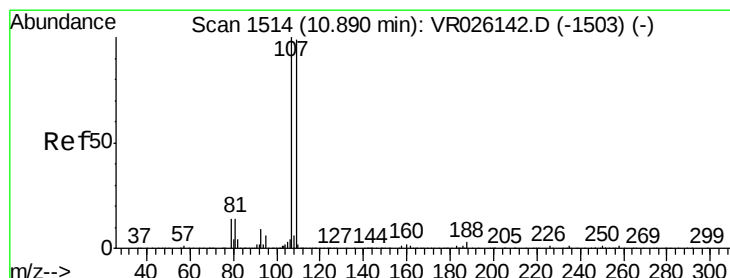
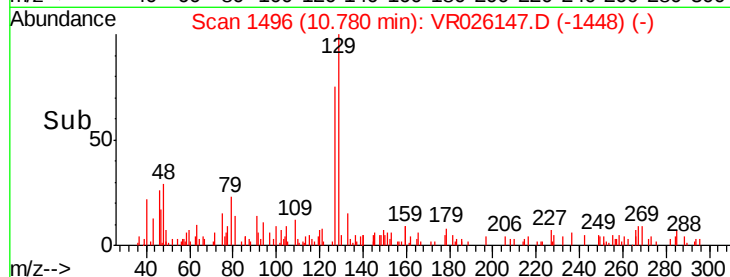
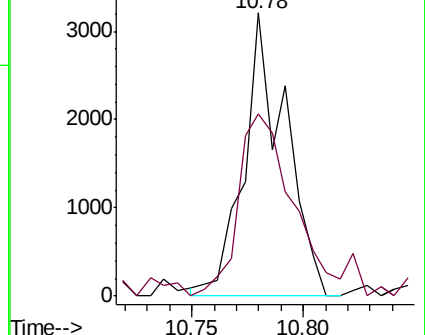
129 100

127 64.6 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: 0.236 ug/L

RT: 10.88 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

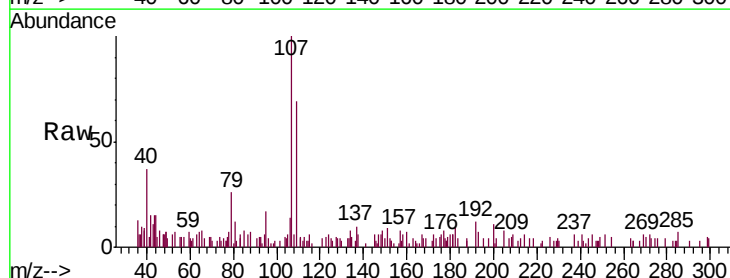
Tgt Ion:107 Resp: 3386

Ion Ratio Lower Upper

107 100

109 69.1 58.7 109.1

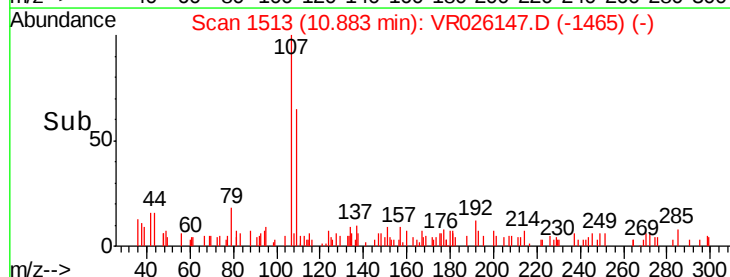
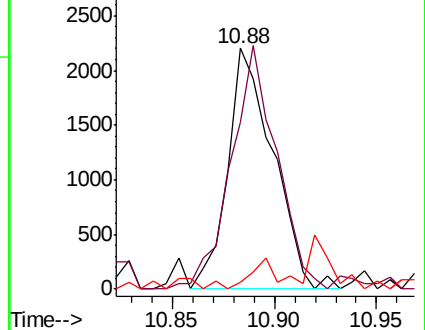
188 2.9 2.9 4.3

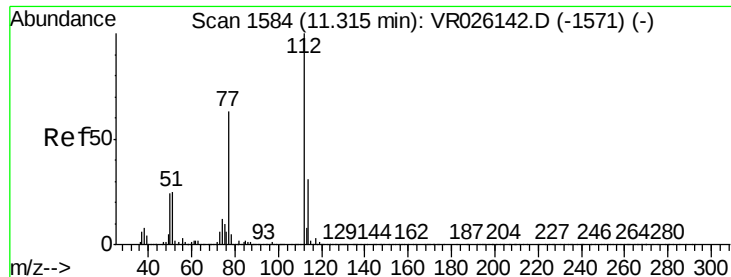


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V





#51

Chlorobenzene

Concen: 0.247 ug/L

RT: 11.31 min Scan# 1583

Delta R.T. -0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

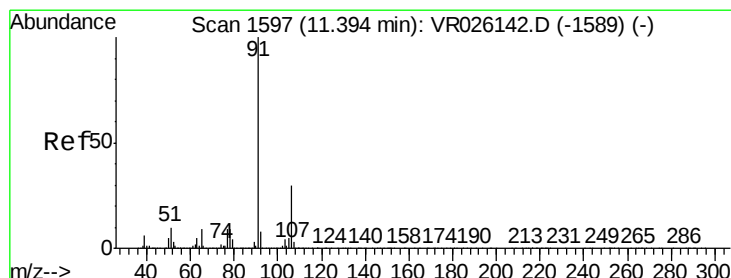
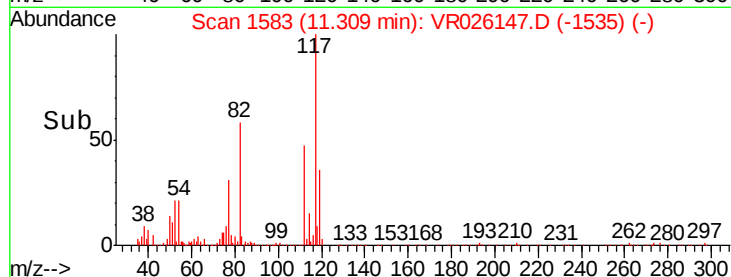
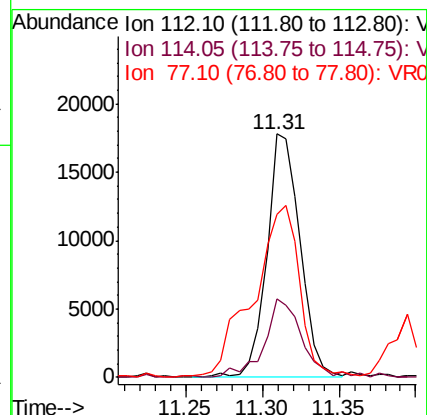
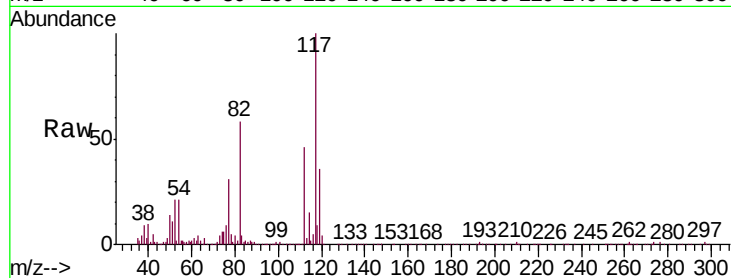
Instrument :

MSVOA_R

ClientSampleId :

MDL

Tgt Ion:	112	Resp:	26896
Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.8	42.4
77	66.8	51.5	77.3



#52

Ethylbenzene

Concen: 0.212 ug/L

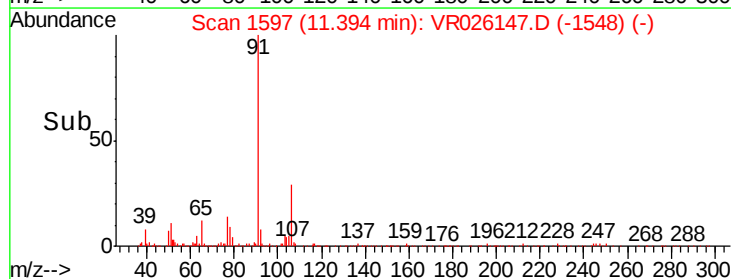
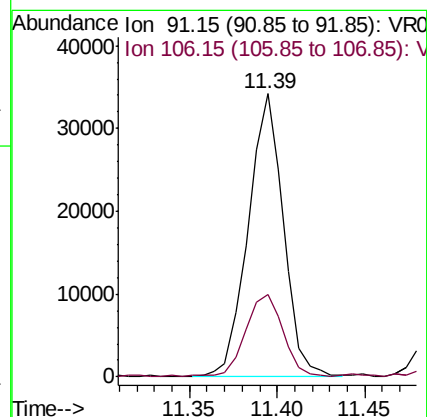
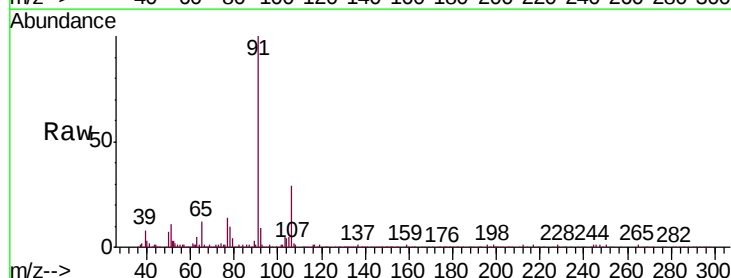
RT: 11.39 min Scan# 1597

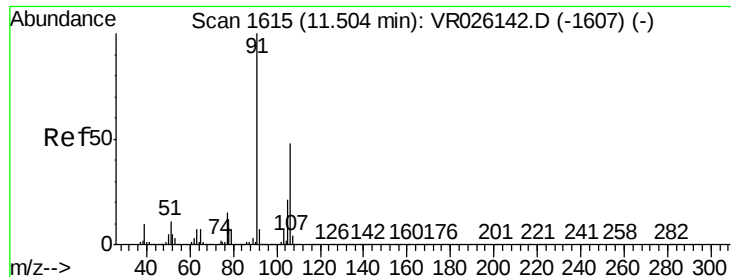
Delta R.T. -0.00 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Tgt Ion:	91	Resp:	47949
Ion	Ratio	Lower	Upper
91	100		
106	28.9	21.2	39.4

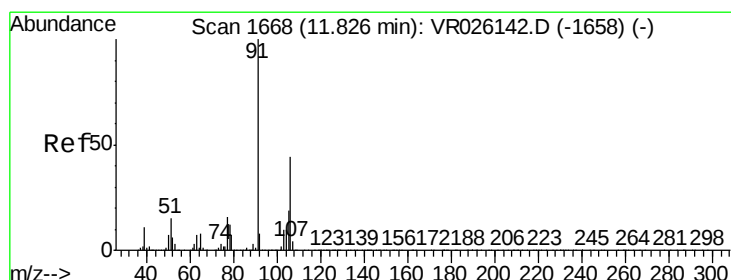
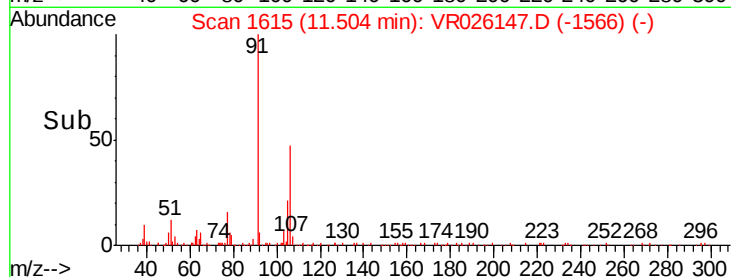
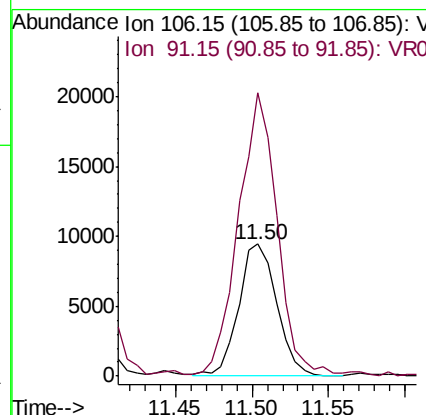
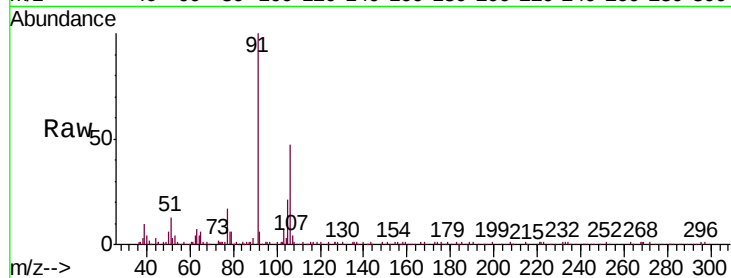




#53
m,p-Xylene
Concen: 0.198 ug/L
RT: 11.50 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

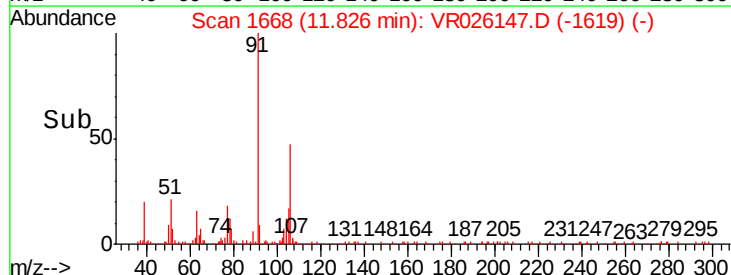
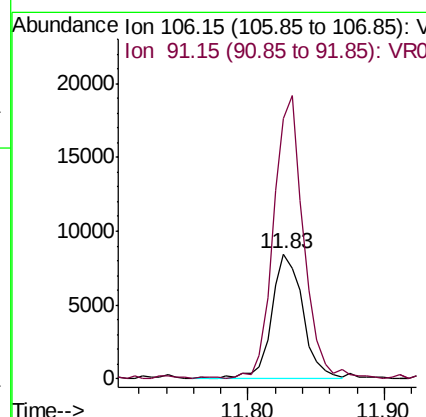
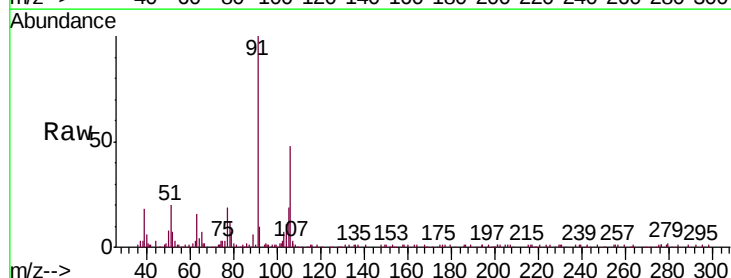
Instrument :
MSVOA_R
ClientSampled :
MDL

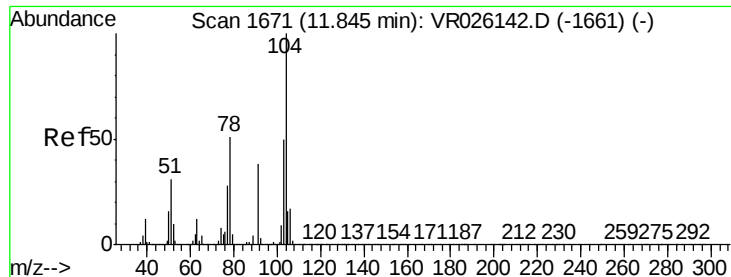
Tgt Ion:106 Resp: 16375
Ion Ratio Lower Upper
106 100
91 214.7 145.3 269.8



#54
o-Xylene
Concen: 0.180 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Tgt Ion:106 Resp: 13638
Ion Ratio Lower Upper
106 100
91 208.2 155.8 289.3





#55

Styrene

Concen: 0.165 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

ClientSampled :

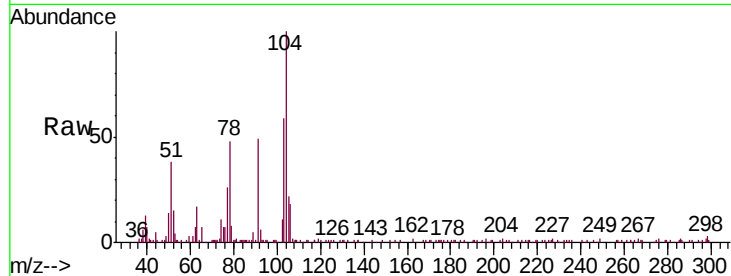
MDL

Tgt Ion:104 Resp: 19176

Ion Ratio Lower Upper

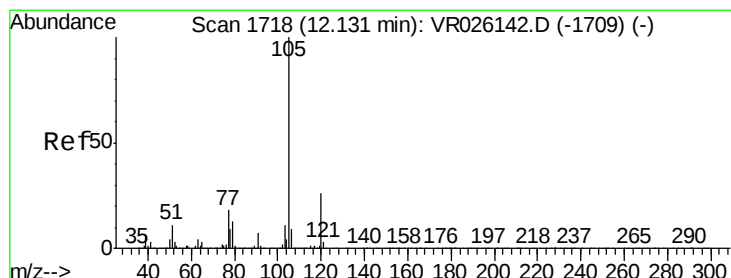
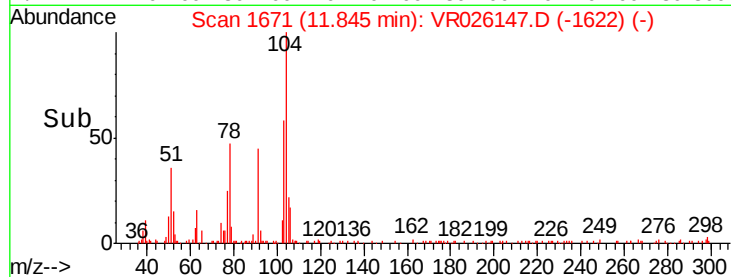
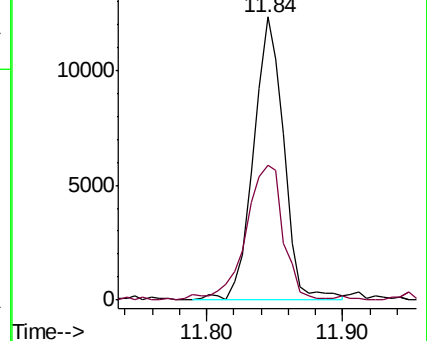
104 100

78 47.9 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: 0.166 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

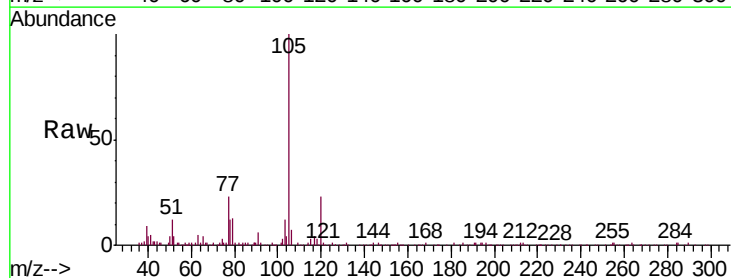
Tgt Ion:105 Resp: 34896

Ion Ratio Lower Upper

105 100

120 24.8 21.0 31.4

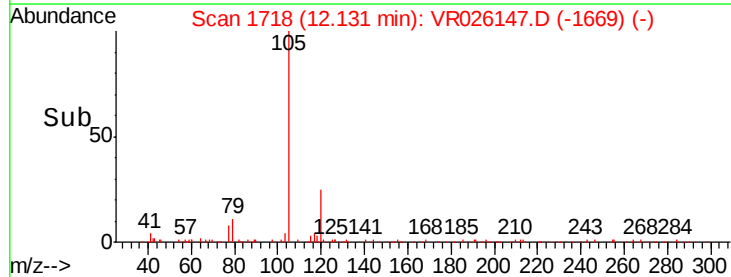
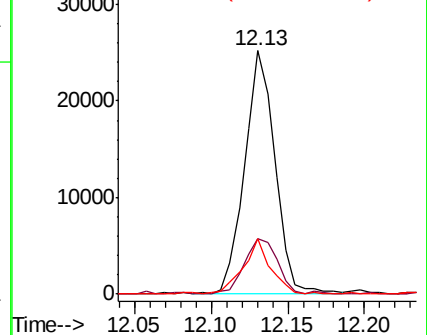
77 20.3 14.6 21.8

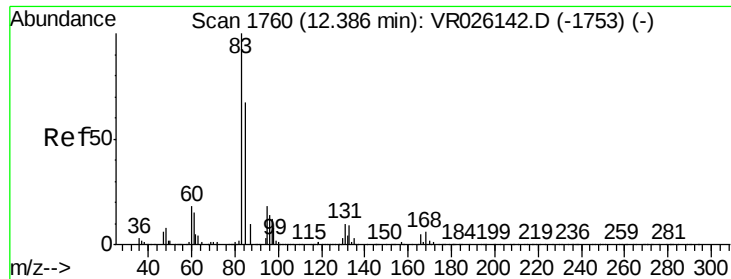


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0

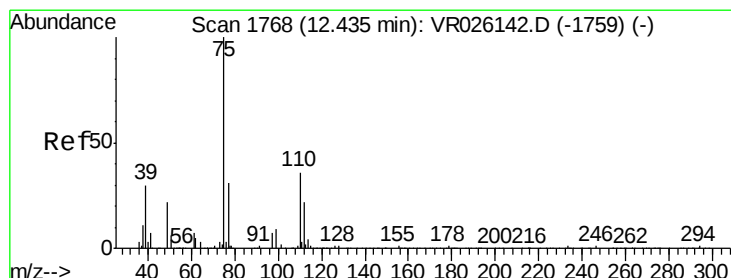
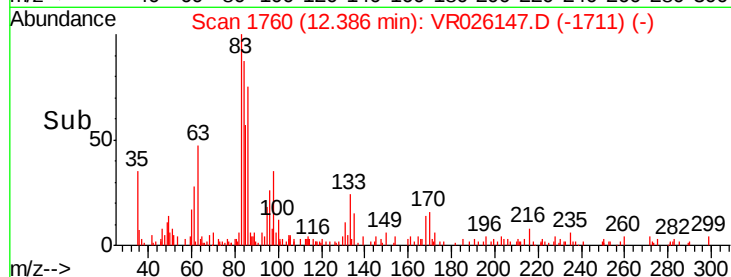
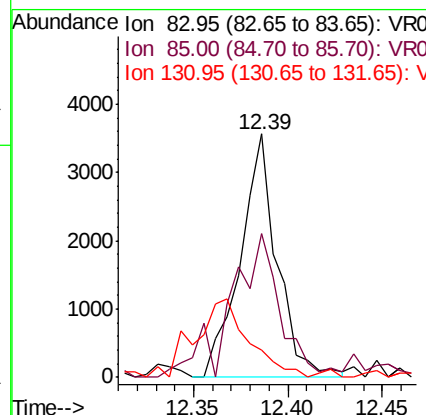
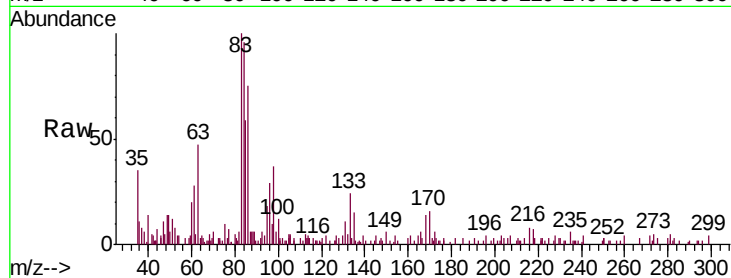




#58
 1,1,2,2-Tetrachloroethane
 Concen: 0.287 ug/L
 RT: 12.39 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

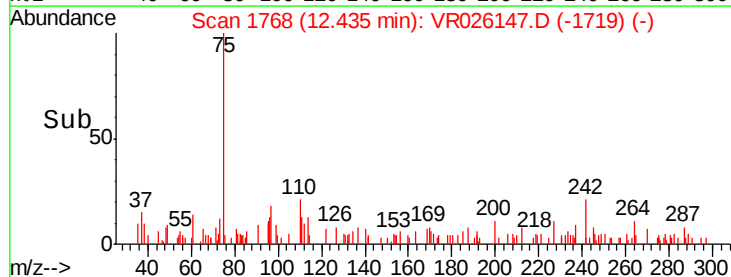
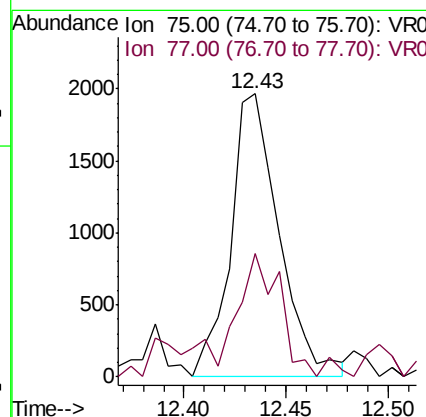
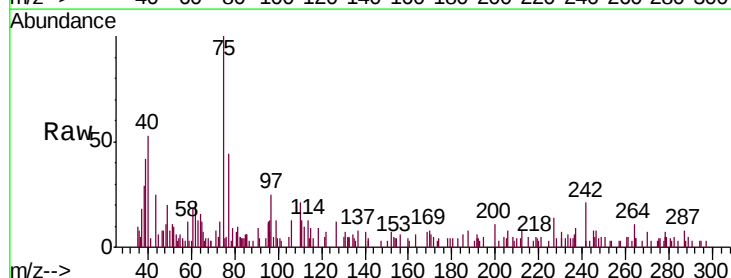
Instrument :
 MSVOA_R
 ClientSampleID :
 MDL

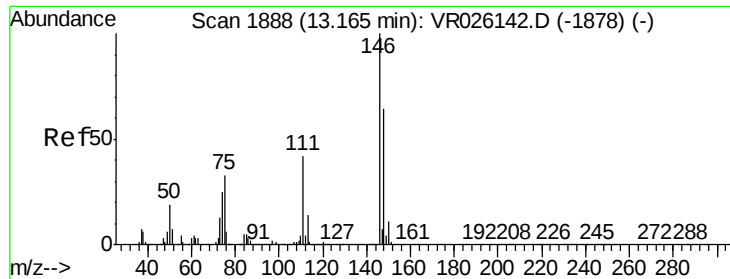
Tgt Ion: 83 Resp: 4838
 Ion Ratio Lower Upper
 83 100
 85 59.3 44.0 81.8
 131 11.4 8.0 12.0



#59
 1,2,3-Trichloropropane
 Concen: 0.259 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

Tgt Ion: 75 Resp: 3211
 Ion Ratio Lower Upper
 75 100
 77 36.8 26.2 39.2





#62

1,3-Dichlorobenzene

Concen: 0.207 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

ClientSampleId :

MDL

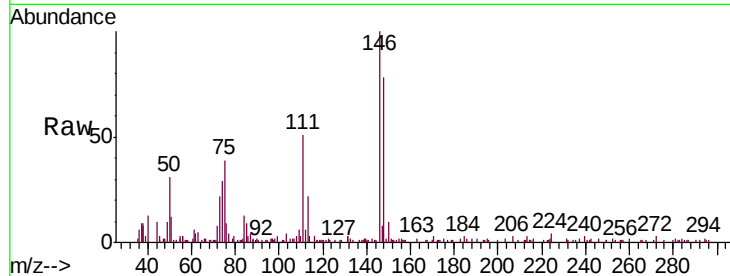
Tgt Ion:146 Resp: 10969

Ion Ratio Lower Upper

146 100

111 51.1 32.1 59.7

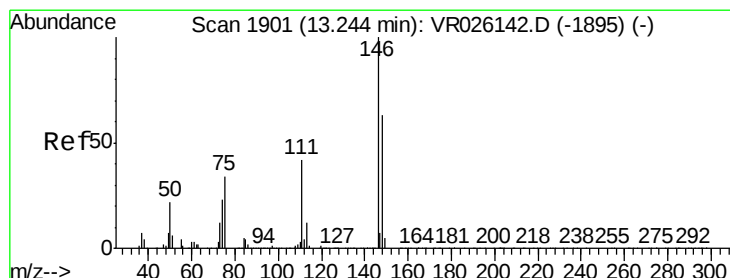
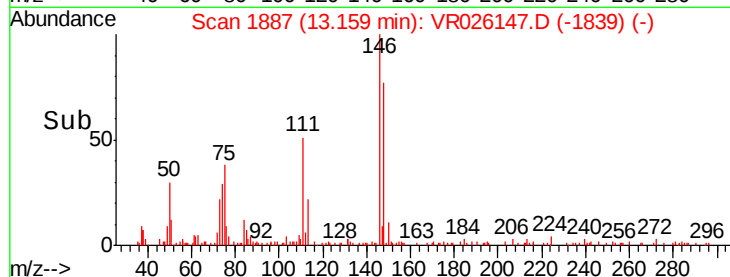
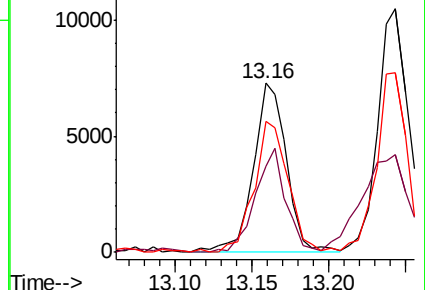
148 77.9 43.8 81.3



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: 0.271 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

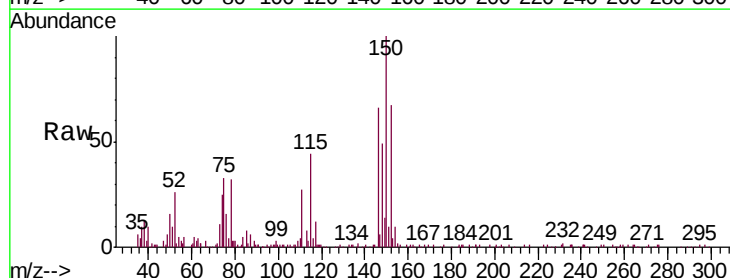
Tgt Ion:146 Resp: 14820

Ion Ratio Lower Upper

146 100

111 40.3 32.6 60.6

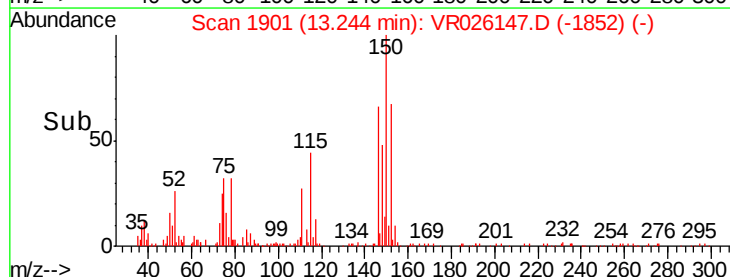
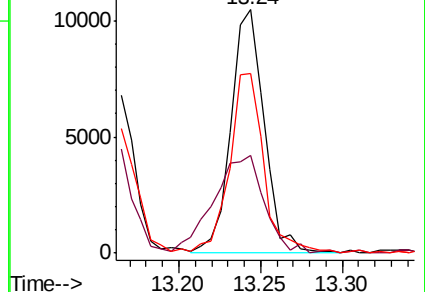
148 73.8 46.7 86.7

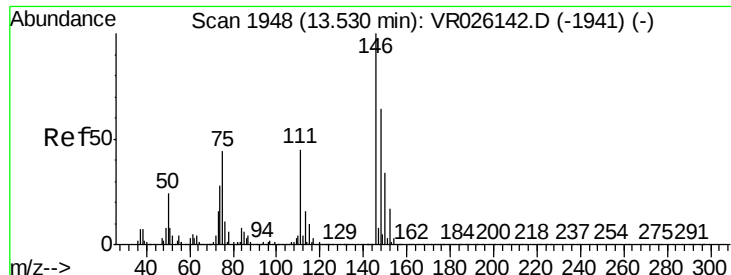


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

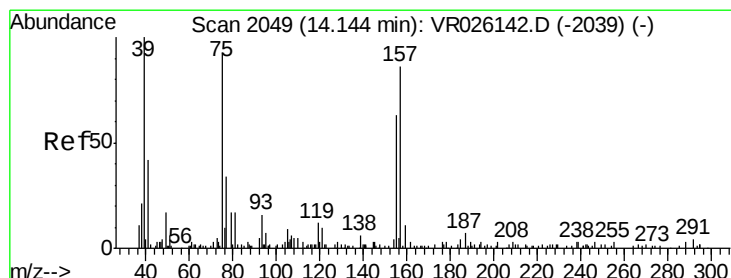
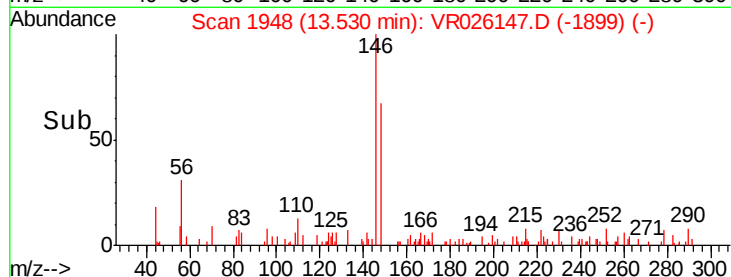
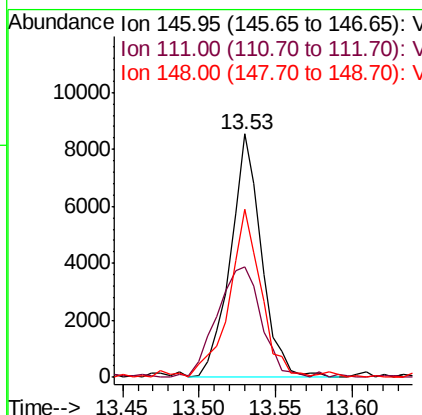
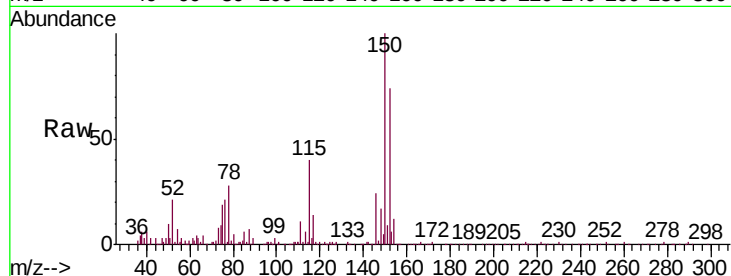




#65
 1,2-Dichlorobenzene
 Concen: 0.283 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

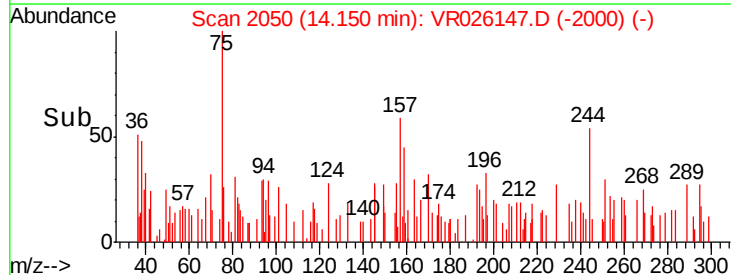
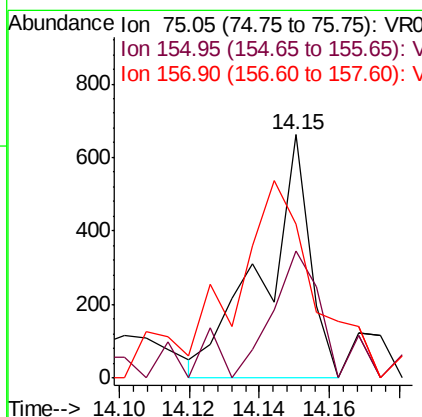
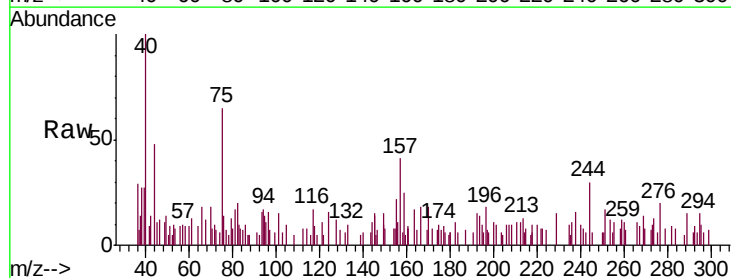
Instrument :
 MSVOA_R
 ClientSampled :
 MDL

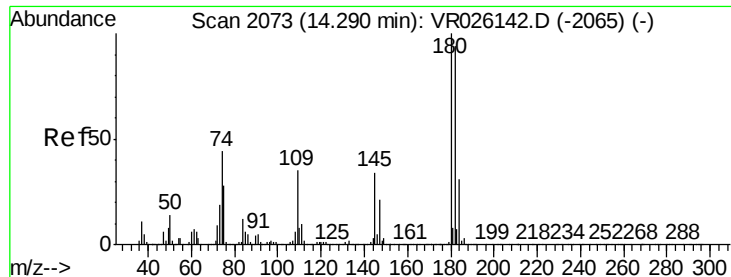
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	35.2	52.8
148	69.2	51.2	76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.356 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	52.0	40.9	61.3
157	63.4	67.3	100.9#

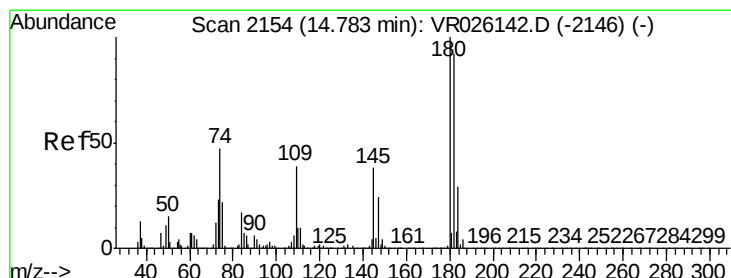
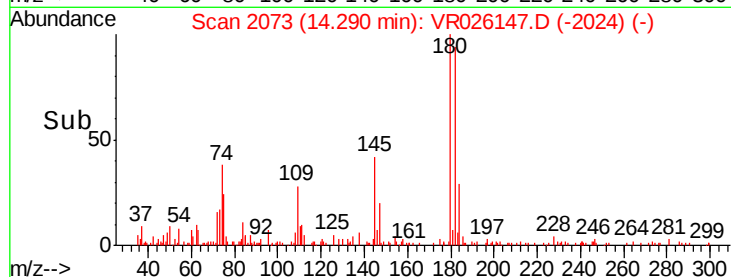
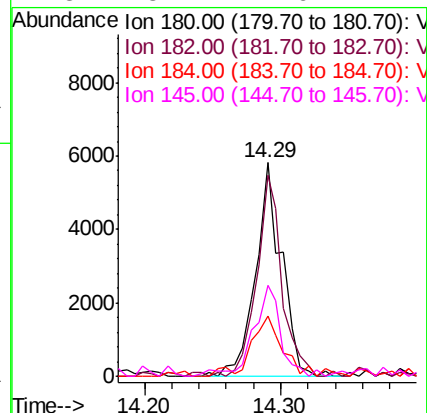
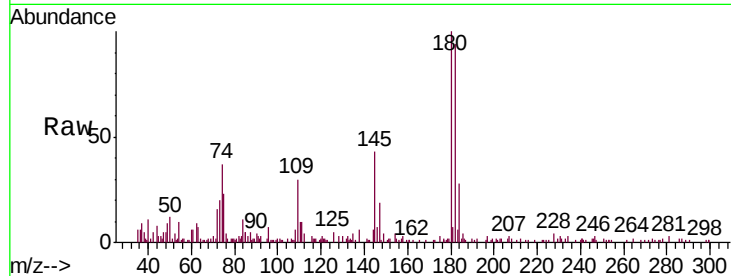




#67
 1,3,5-Trichlorobenzene
 Concen: 0.241 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

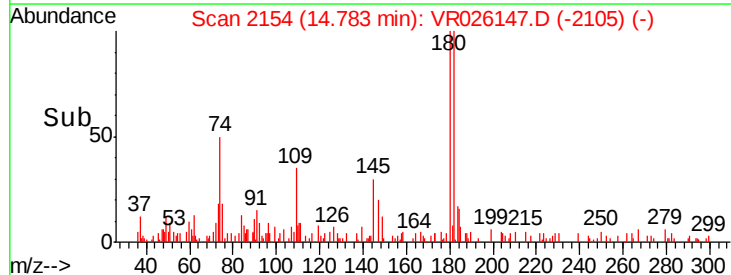
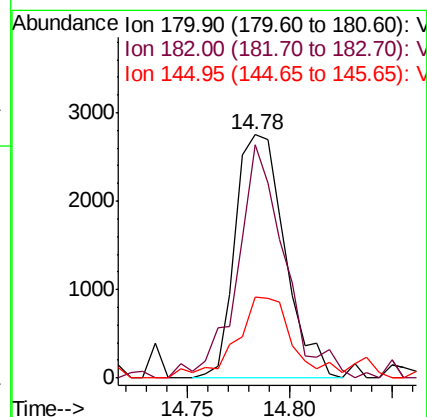
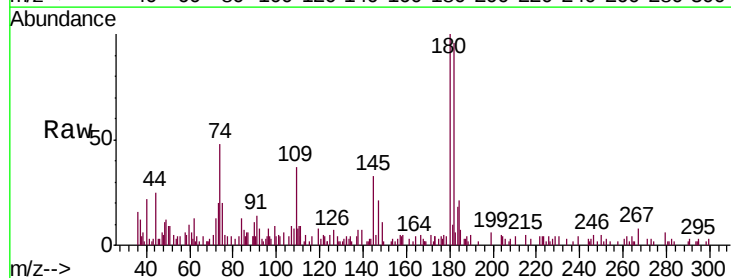
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

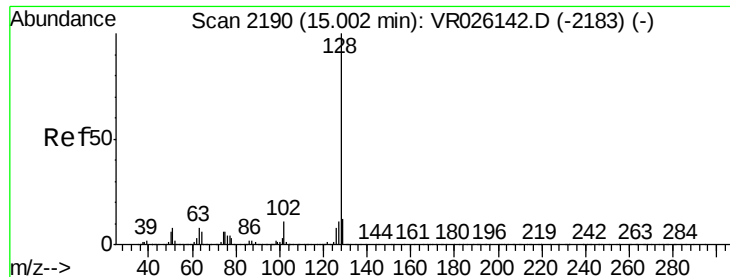
Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.1	77.5	116.3
184	33.9	25.0	37.4
145	45.2	27.6	41.4



#68
 1,2,4-trichlorobenzene
 Concen: 0.246 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.4	76.1	114.1
145	38.2	28.2	42.4





#69

Naphthalene

Concen: 0.162 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

ClientSampleId :

MDL

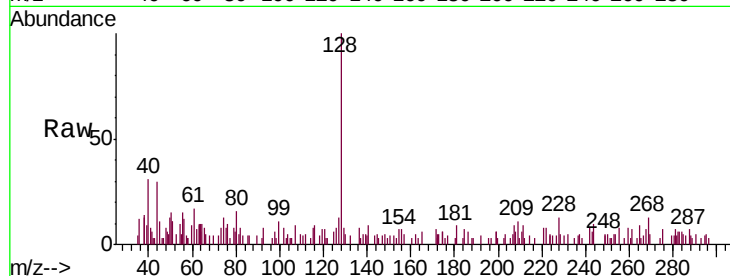
Tgt Ion:128 Resp: 2956

Ion Ratio Lower Upper

128 100

127 19.2 11.0 16.6#

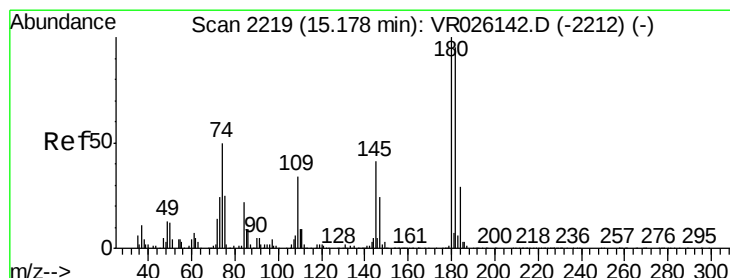
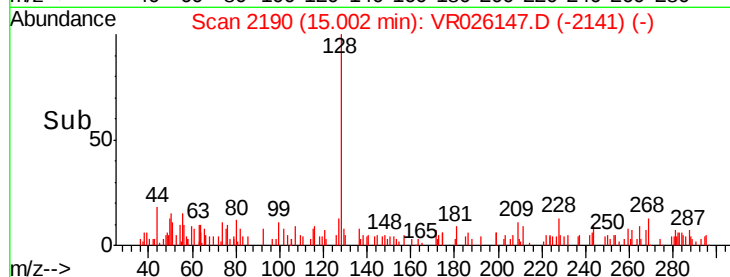
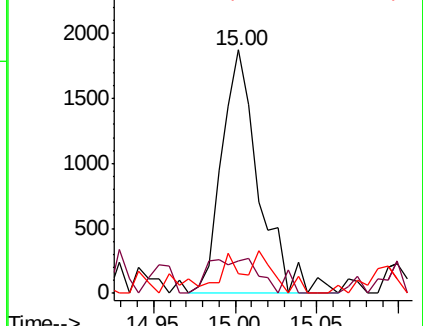
129 8.1 9.1 13.7#



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: 0.242 ug/L

RT: 15.17 min Scan# 2218

Delta R.T. -0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

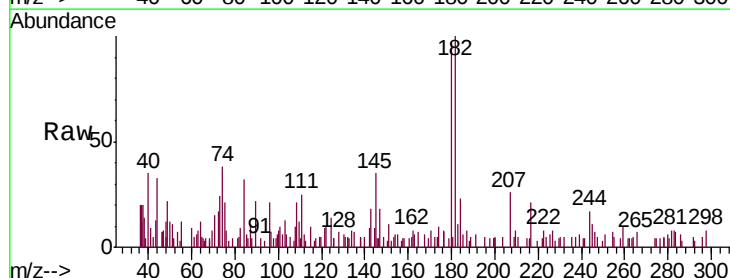
Tgt Ion:180 Resp: 3160

Ion Ratio Lower Upper

180 100

182 86.6 75.7 113.5

145 44.7 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

