

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091119\
 Data File : VR026620.D
 Acq On : 11 Sep 2019 14:15
 Operator : SY/MD
 Sample : MDL03
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL03

Quant Time: Sep 12 09:12:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 12 08:46:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	420726	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	330352	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	144392	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.19	65	58639	4.51	ug/L	0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.20%
7) Chloroethane-d5	2.65	69	53626	4.86	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	3.64	63	98697	3.21	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.20%
20) 2-Butanone-d5	6.62	46	121038	42.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.62%
24) Chloroform-d	7.23	84	206368	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	7.91	65	68968	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	7.88	84	418626	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	8.92	67	106654	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.60%
41) Toluene-d8	9.99	98	305064	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	10.25	79	22657	3.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.00%
46) 2-Hexanone-d5	10.61	63	76160	42.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.46%
57) 1,1,2,2-Tetrachloroethane-	12.37	84	50999	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.40%
64) 1,2-Dichlorobenzene-d4	13.53	152	92757	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.86	85	14730	0.346 ug/L	98
3) Chloromethane	2.06	50	9005	0.354 ug/L	85
5) Vinyl chloride	2.18	62	8619	0.358 ug/L #	39
6) Bromomethane	2.54	94	5217	0.376 ug/L	89
8) Chloroethane	2.67	64	5346	0.392 ug/L #	74
9) Trichlorofluoromethane	2.99	101	14071	0.388 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	3.70	101	6601m	0.416 ug/L	
12) 1,1-Dichloroethene	3.66	96	4945	0.300 ug/L #	1
13) Acetone	3.74	43	5791	3.334 ug/L	86
14) Carbon disulfide	3.97	76	13518m	0.205 ug/L	
15) Methyl Acetate	4.22	43	2192m	0.284 ug/L	
16) Methylene chloride	4.43	84	11688	0.338 ug/L	88
17) Methyl tert-butyl Ether	4.93	73	10943	0.264 ug/L #	68
18) trans-1,2-Dichloroethene	4.91	96	11155	0.314 ug/L	90
19) 1,1-Dichloroethane	5.72	63	21621	0.320 ug/L #	88
21) 2-Butanone	6.72	43	11915	3.321 ug/L	92
22) cis-1,2-Dichloroethene	6.70	96	11515	0.329 ug/L #	78

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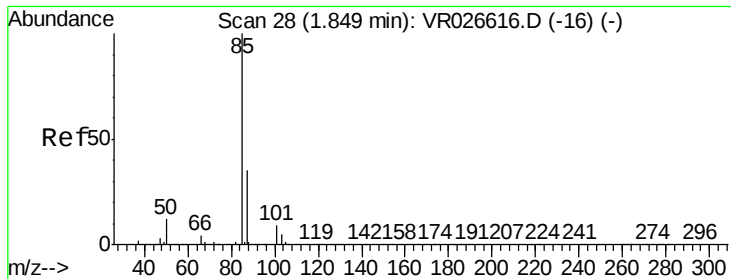
Instrument :
 MSVOA_R
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Quant Time: Sep 12 09:12:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091019WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.08	128	4280	0.456	ug/L #	63
25) Chloroform	7.25	83	25517	0.410	ug/L	94
27) 1,2-Dichloroethane	8.01	62	7399	0.325	ug/L #	85
29) 1,1,1-Trichloroethane	7.46	97	14381	0.288	ug/L	98
30) Cyclohexane	7.54	56	16473	0.277	ug/L	98
31) Carbon tetrachloride	7.65	117	11424	0.276	ug/L	94
33) Benzene	7.93	78	42990m	0.294	ug/L	
34) Trichloroethene	8.73	95	11219	0.311	ug/L	89
35) Methylcyclohexane	8.98	83	14469	0.266	ug/L	93
37) 1,2-Dichloropropane	9.02	63	9624	0.330	ug/L #	96
38) Bromodichloromethane	9.30	83	8437	0.280	ug/L #	82
39) cis-1,3-Dichloropropene	9.73	75	8244	0.260	ug/L	94
40) 4-Methyl-2-pentanone	9.88	43	18183	2.180	ug/L #	90
42) Toluene	10.05	91	39286	0.301	ug/L	96
44) trans-1,3-Dichloropropene	10.27	75	5071m	0.257	ug/L	
45) 1,1,2-Trichloroethane	10.46	97	3670	0.301	ug/L	95
47) Tetrachloroethene	10.53	164	6914	0.341	ug/L	81
48) 2-Hexanone	10.65	43	14248	2.874	ug/L	94
49) Dibromochloromethane	10.80	129	4360	0.343	ug/L	87
50) 1,2-Dibromoethane	10.91	107	3112	0.305	ug/L #	73
51) Chlorobenzene	11.33	112	21684	0.308	ug/L	93
52) Ethylbenzene	11.41	91	40435	0.282	ug/L	92
53) m,p-Xylene	11.52	106	14613	0.279	ug/L	78
54) o-Xylene	11.84	106	13238	0.259	ug/L	95
55) Styrene	11.86	104	18433	0.262	ug/L	93
56) Isopropylbenzene	12.15	105	37086	0.261	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	4102	0.296	ug/L #	96
59) 1,2,3-Trichloropropane	12.45	75	3446	0.343	ug/L #	61
61) Bromoform	12.02	173	1609m	0.303	ug/L	
62) 1,3-Dichlorobenzene	13.18	146	14146	0.288	ug/L	90
63) 1,4-Dichlorobenzene	13.26	146	14993	0.317	ug/L	90
65) 1,2-Dichlorobenzene	13.55	146	15227	0.371	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.16	75	721m	0.346	ug/L	
67) 1,3,5-Trichlorobenzene	14.31	180	12528	0.316	ug/L	95
68) 1,2,4-trichlorobenzene	14.81	180	8852	0.305	ug/L	96
69) Naphthalene	15.02	128	9014	0.221	ug/L #	93
70) 1,2,3-Trichlorobenzene	15.20	180	7189	0.295	ug/L #	91

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



#2

Dichlorodifluoromethane

Concen: 0.346 ug/L

RT: 1.86 min Scan# 29

Delta R.T. 0.01 min

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ClientSampleId :

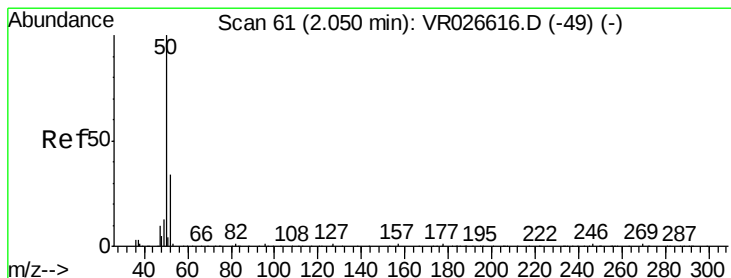
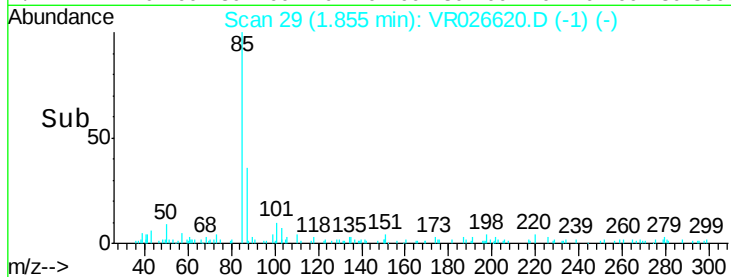
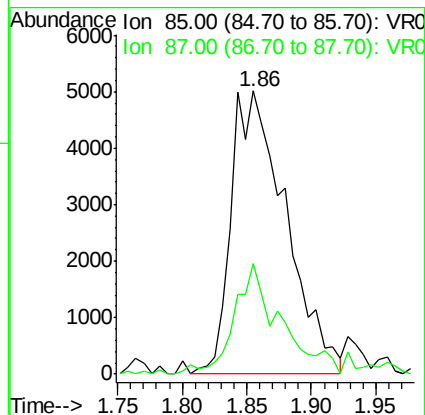
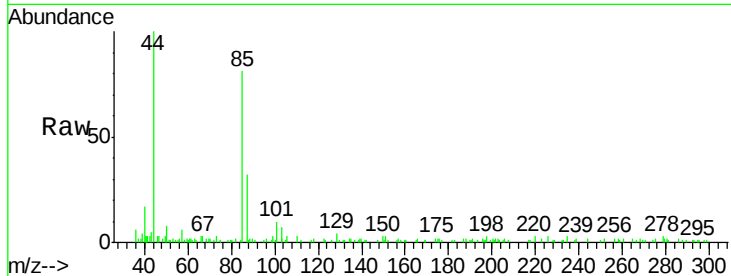
MDL03

Tot Ion: 85 Resp: 14730

Ion Ratio Lower Upper

85 100

87 33.1 25.4 38.2



#3

Chloromethane

Concen: 0.354 ug/L

RT: 2.06 min Scan# 62

Delta R.T. 0.01 min

Lab File: VR026620.D

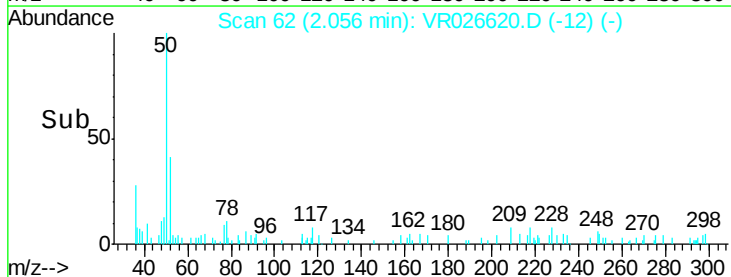
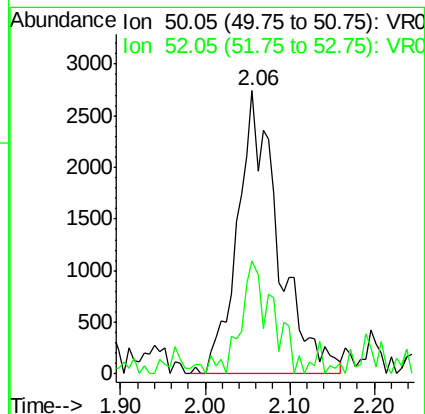
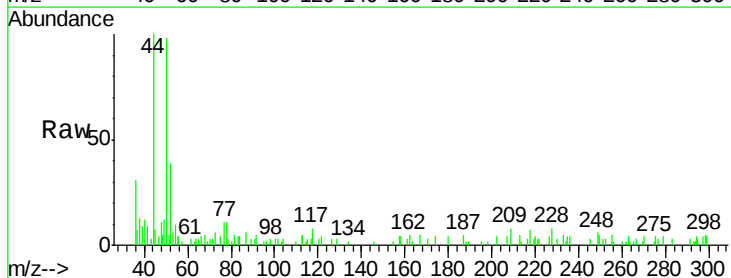
Acq: 11 Sep 2019 14:15

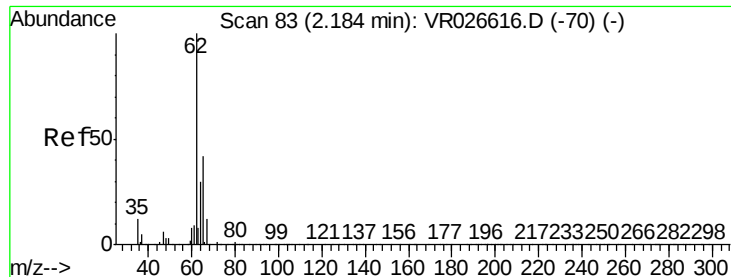
Tgt Ion: 50 Resp: 9005

Ion Ratio Lower Upper

50 100

52 40.0 22.2 41.2





#5

Vinyl chloride

Concen: 0.358 ug/L

RT: 2.18 min Scan# 83

Delta R.T. 0.00 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

Instrument :

MSVOA_R

ClientSampled :

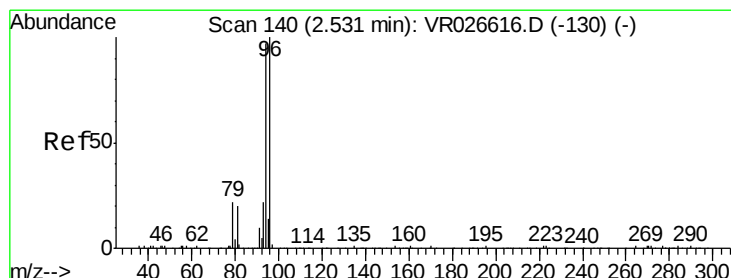
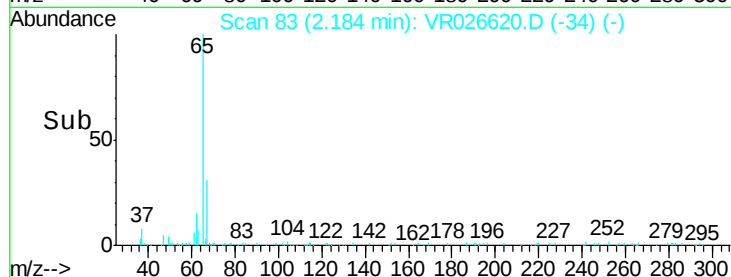
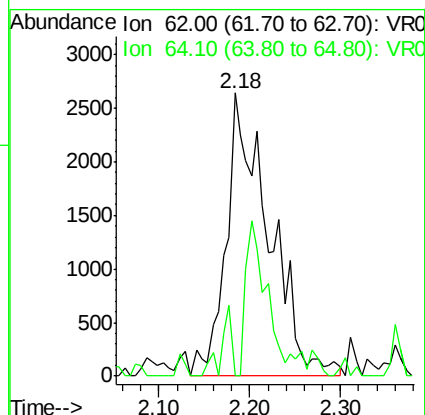
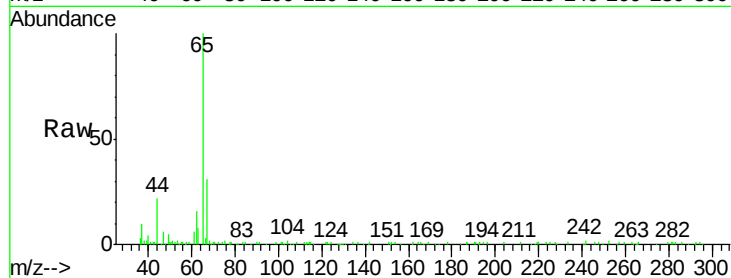
MDL03

Tot Ion: 62 Resp: 8619

Ion Ratio Lower Upper

62 100

64 0.0 25.4 47.2#



#6

Bromomethane

Concen: 0.376 ug/L

RT: 2.54 min Scan# 142

Delta R.T. 0.01 min

Lab File: VR026620.D

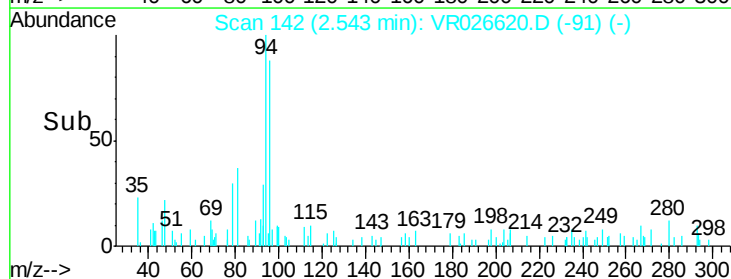
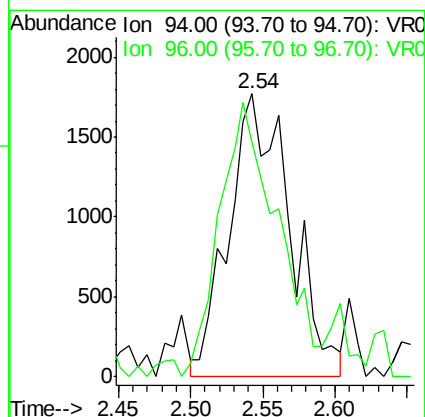
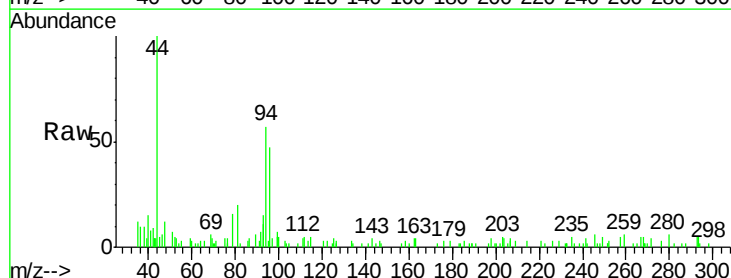
Acq: 11 Sep 2019 14:15

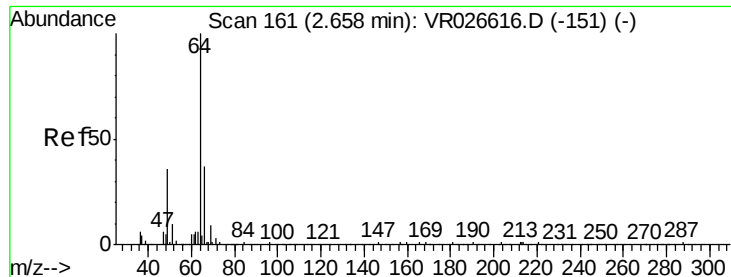
Tgt Ion: 94 Resp: 5217

Ion Ratio Lower Upper

94 100

96 83.1 65.7 122.1





#8

Chloroethane

Concen: 0.392 ug/L

RT: 2.67 min Scan# 163

Delta R.T. 0.01 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

Instrument :

MSVOA_R

ClientSampled :

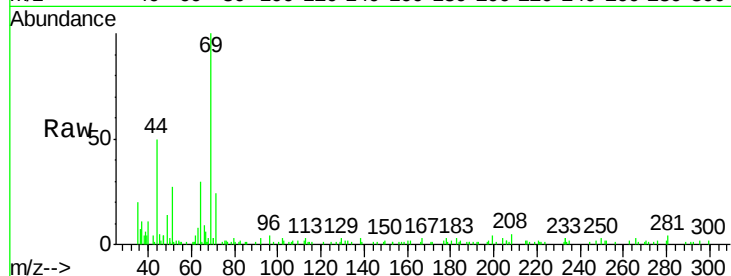
MDL03

Tot Ion: 64 Resp: 5346

Ion Ratio Lower Upper

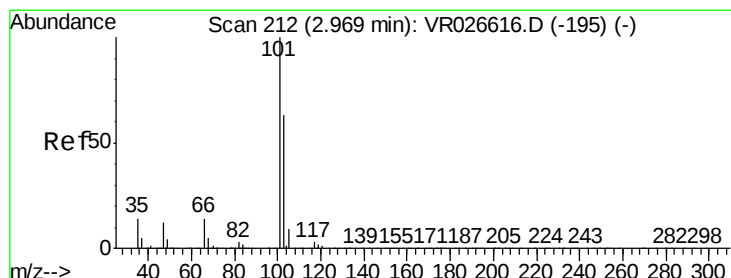
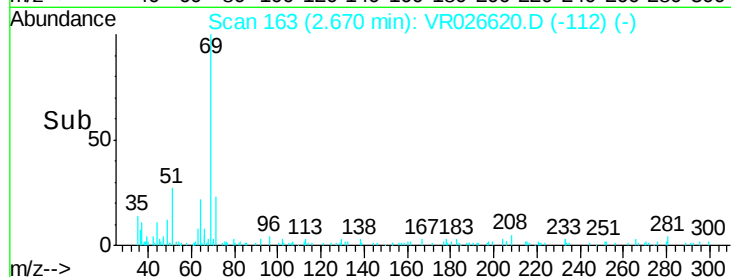
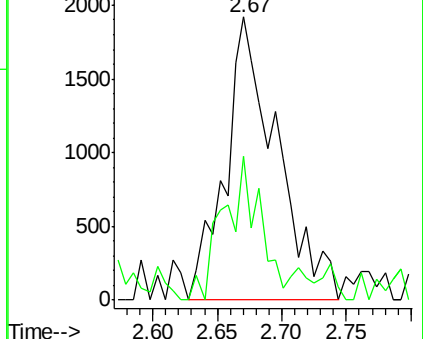
64 100

66 51.0 25.1 46.5#



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 0.388 ug/L

RT: 2.99 min Scan# 215

Delta R.T. 0.02 min

Lab File: VR026620.D

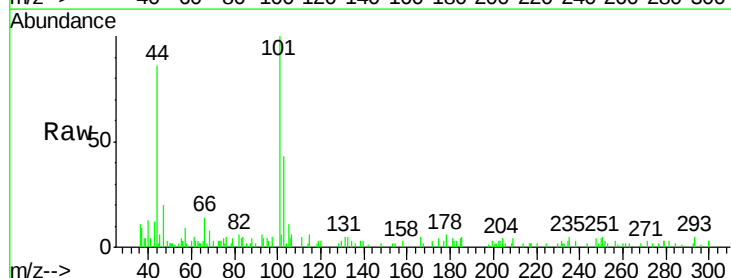
Acq: 11 Sep 2019 14:15

Tgt Ion: 101 Resp: 14071

Ion Ratio Lower Upper

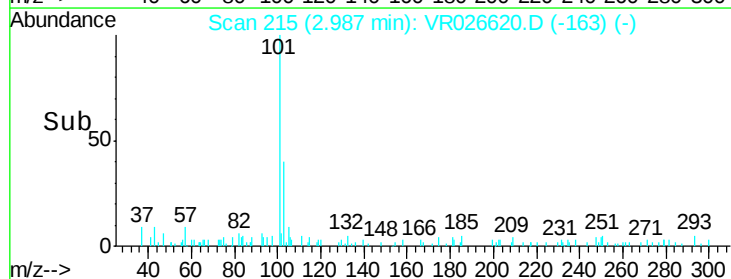
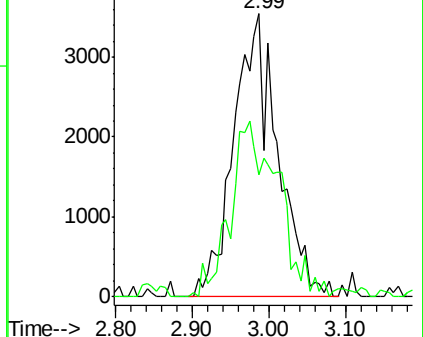
101 100

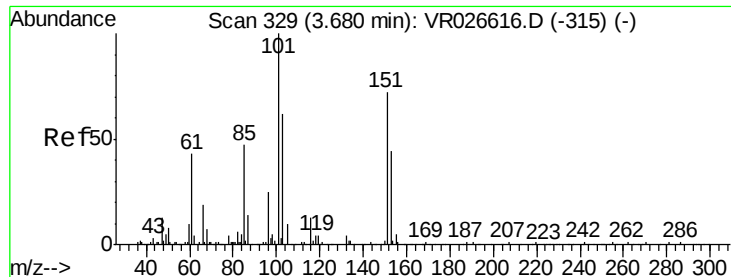
103 66.3 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 0.416 ug/L m

RT: 3.70 min Scan# 333

Delta R.T. 0.02 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

Instrument :

MSVOA_R

ClientSampled :

MDL03

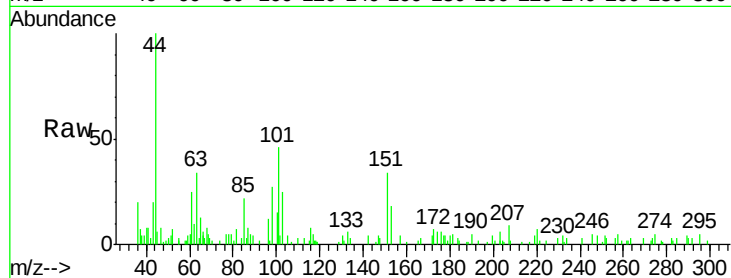
Tot Ion:101 Resp: 6601

Ion Ratio Lower Upper

101 100

85 19.2 40.6 61.0#

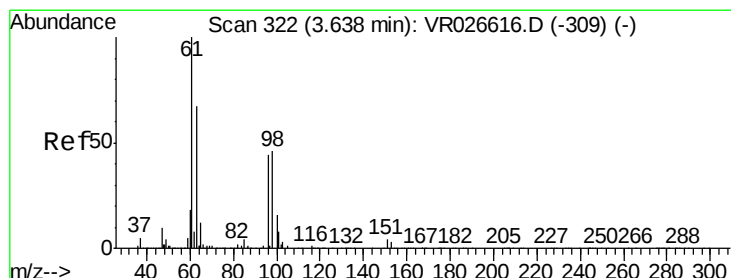
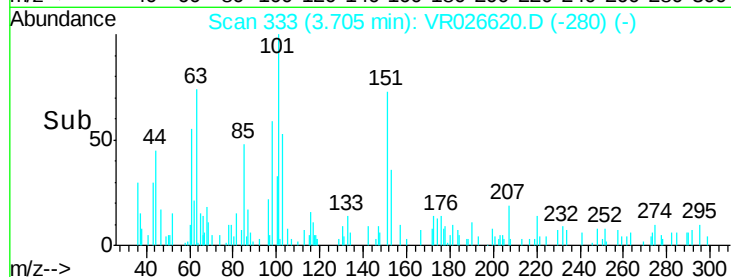
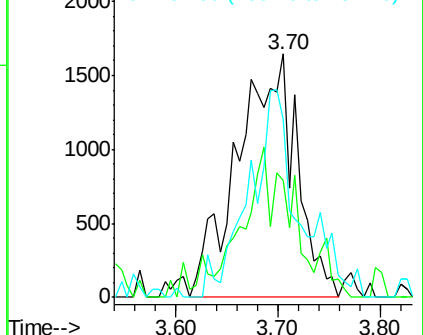
151 60.4 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.300 ug/L

RT: 3.66 min Scan# 325

Delta R.T. 0.02 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

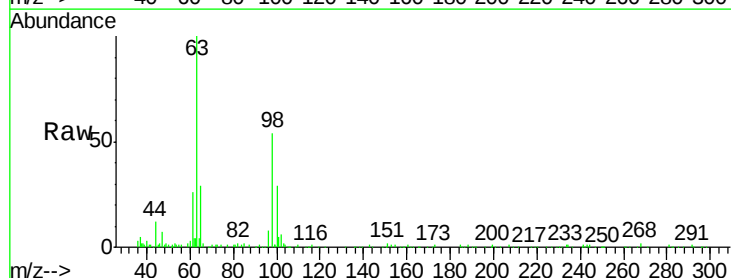
Tgt Ion: 96 Resp: 4945

Ion Ratio Lower Upper

96 100

61 306.5 137.8 255.8#

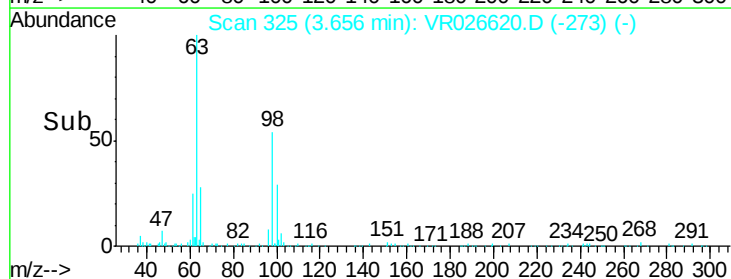
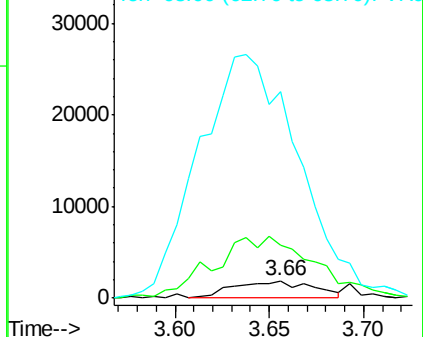
63 1199.6 108.6 201.8#

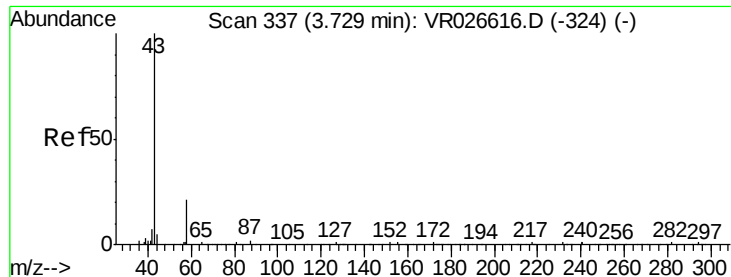


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 3.334 ug/L

RT: 3.74 min Scan# 339

Delta R.T. 0.01 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

Instrument :

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ClientSampled :

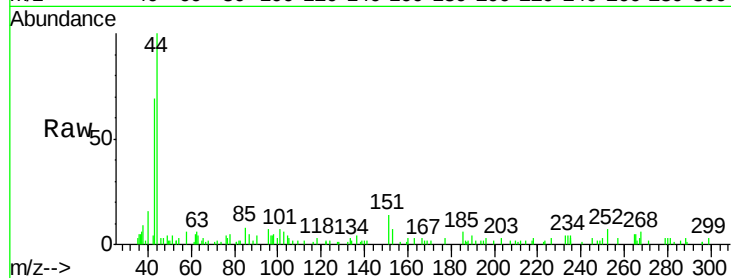
MDL03

Tot Ion: 43 Resp: 5791

Ion Ratio Lower Upper

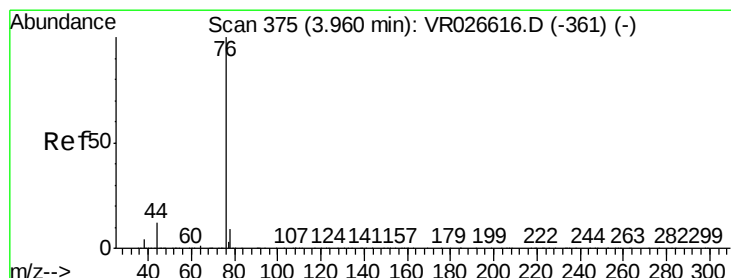
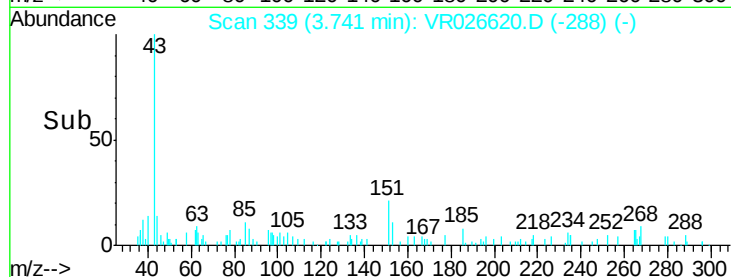
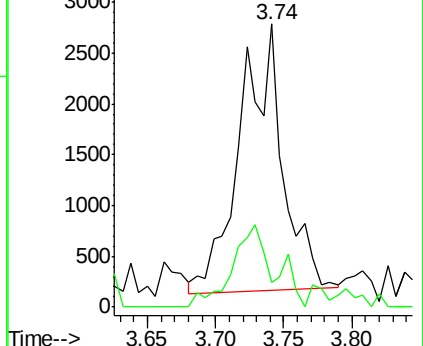
43 100

58 29.7 0.0 46.2



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 0.205 ug/L m

RT: 3.97 min Scan# 377

Delta R.T. 0.01 min

Lab File: VR026620.D

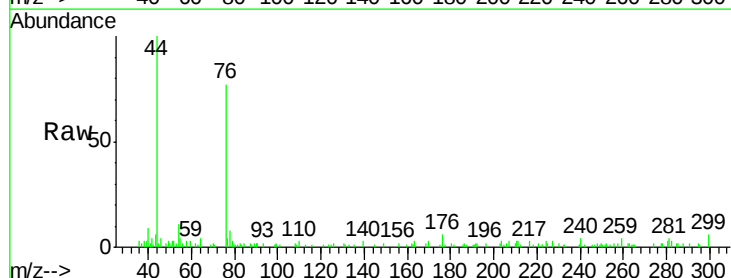
Acq: 11 Sep 2019 14:15

Tgt Ion: 76 Resp: 13518

Ion Ratio Lower Upper

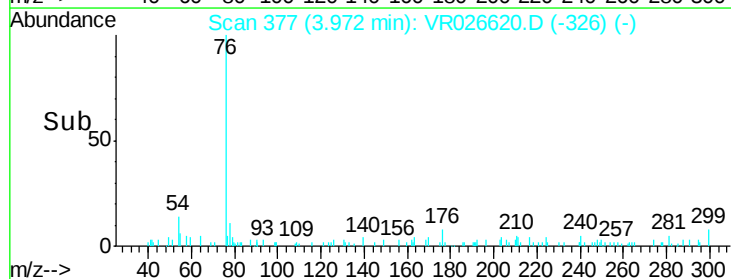
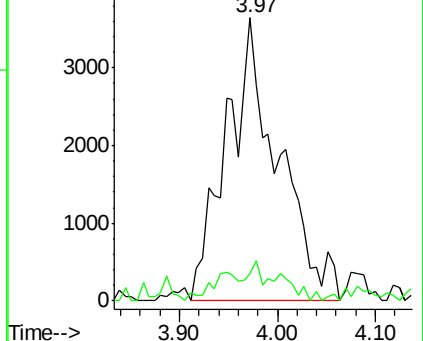
76 100

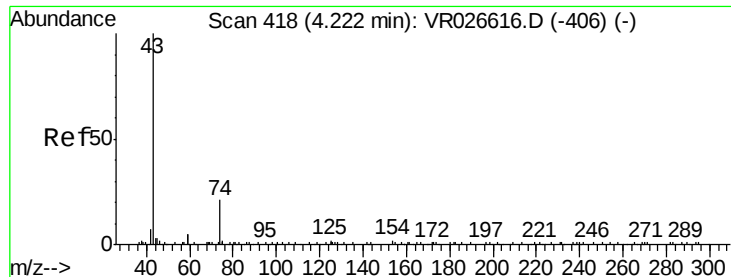
78 10.3 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0





#15

Methyl Acetate

Concen: 0.284 ug/L m

RT: 4.22 min Scan# 418

Delta R.T. 0.00 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

Instrument :

MSVOA_R

ClientSampled :

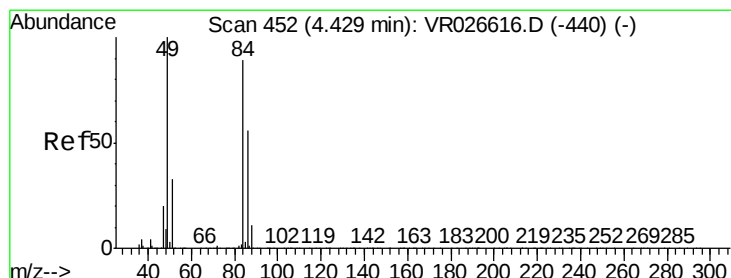
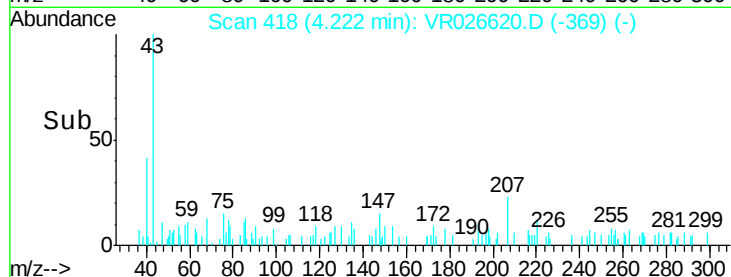
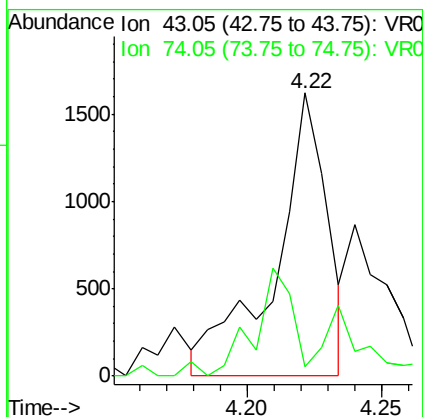
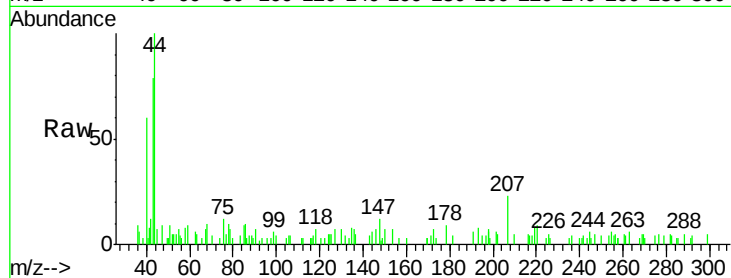
MDL03

Tot Ion: 43 Resp: 2192

Ion Ratio Lower Upper

43 100

74 16.8 19.4 29.2#



#16

Methylene chloride

Concen: 0.338 ug/L

RT: 4.43 min Scan# 452

Delta R.T. 0.00 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

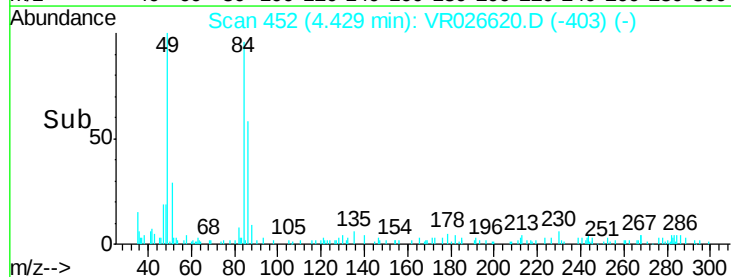
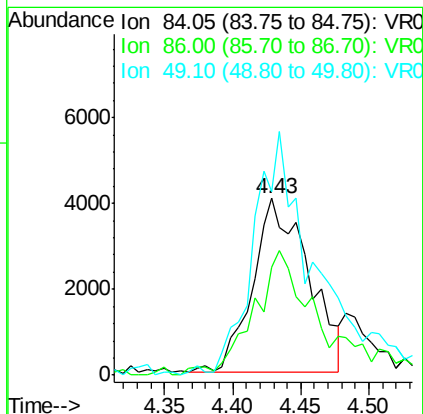
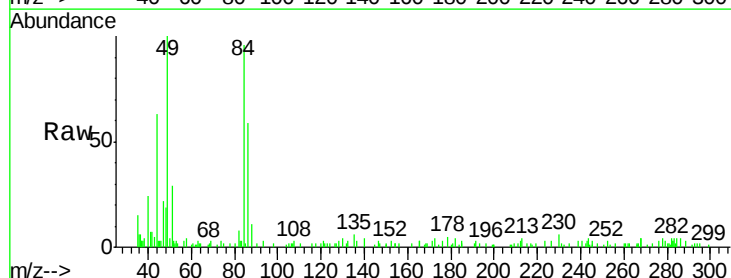
Tgt Ion: 84 Resp: 11688

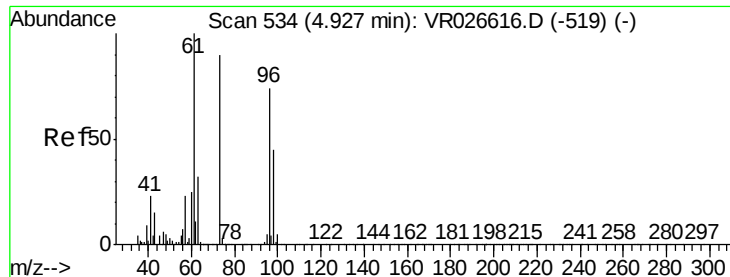
Ion Ratio Lower Upper

84 100

86 61.1 43.6 81.0

49 103.7 85.9 159.5

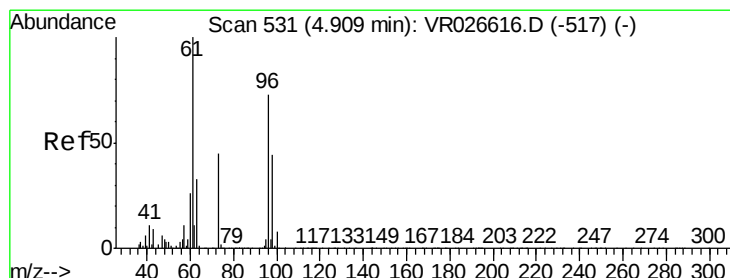
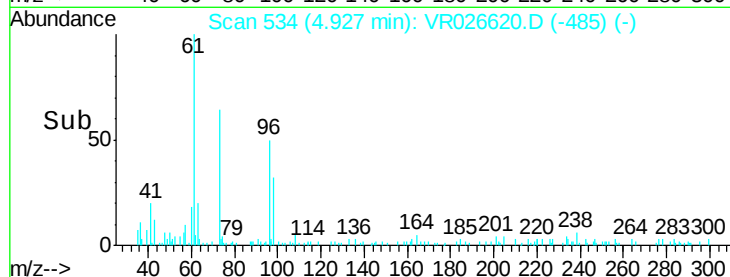
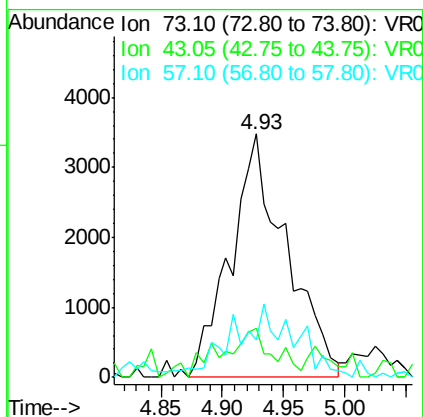
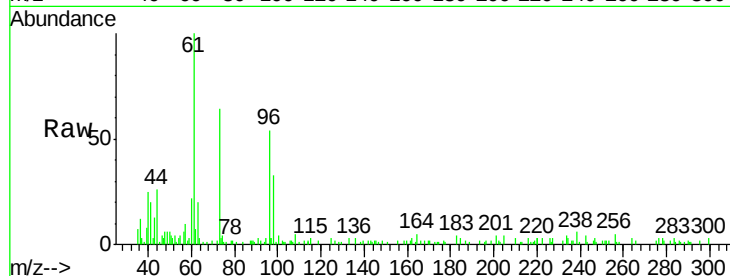




#17
Methvl tert-butvl Ether
Concen: 0.264 ug/L
RT: 4.93 min Scan# 534
Delta R.T. 0.00 min
Lab File: VR026620.D
Acq: 11 Sep 2019 14:15

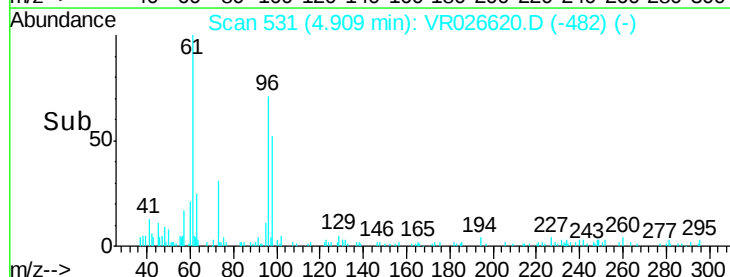
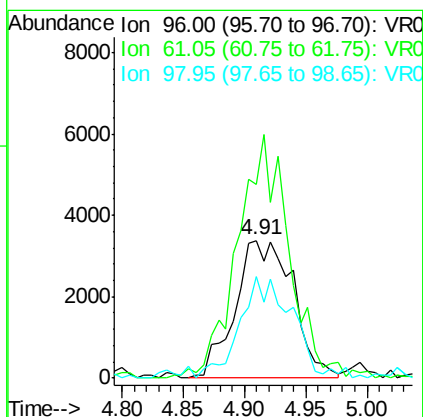
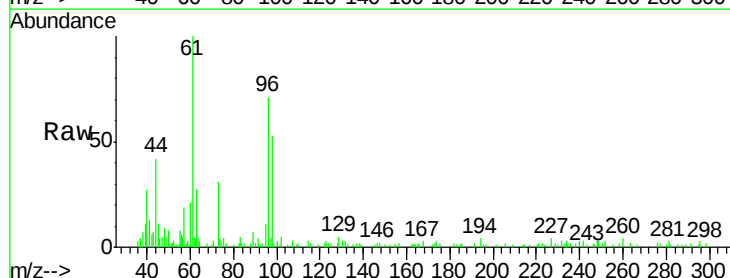
Instrument :
MSVOA_R
ClientSampled :
MDL03

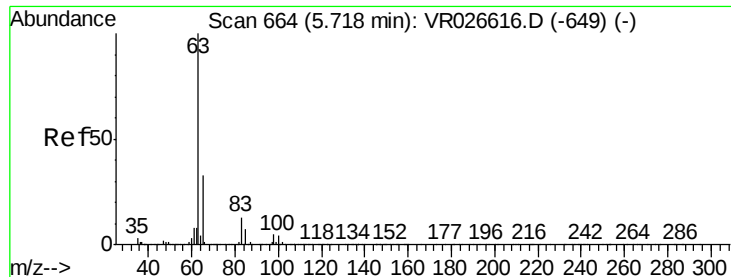
Tot Ion: 73 Resp: 10943
Ion Ratio Lower Upper
73 100
43 11.4 15.4 23.2#
57 2.4 19.0 28.4#



#18
trans-1,2-Dichloroethene
Concen: 0.314 ug/L
RT: 4.91 min Scan# 531
Delta R.T. 0.00 min
Lab File: VR026620.D
Acq: 11 Sep 2019 14:15

Tgt Ion: 96 Resp: 11155
Ion Ratio Lower Upper
96 100
61 140.1 106.7 198.1
98 74.0 45.4 84.4

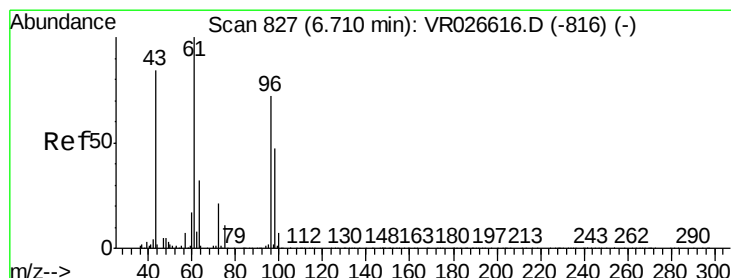
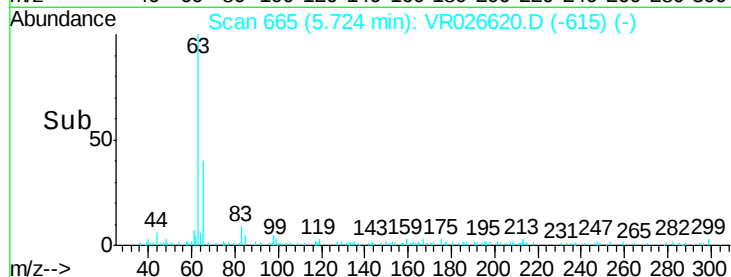
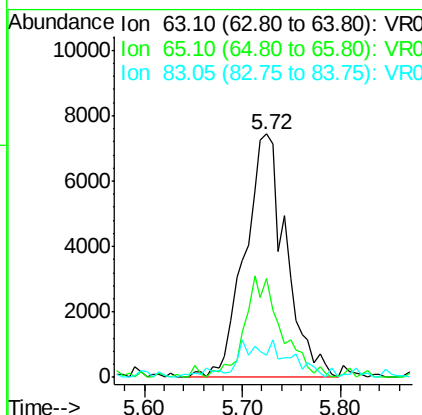
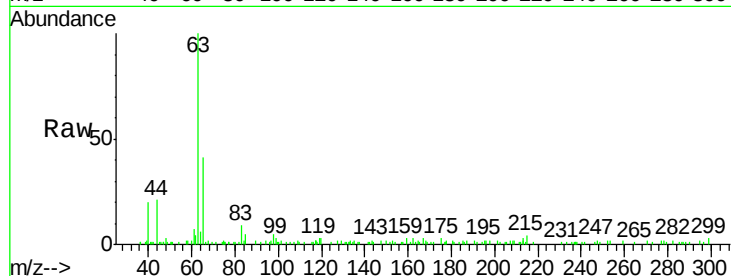




#19
 1,1-Dichloroethane
 Concen: 0.320 ug/L
 RT: 5.72 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: VR026620.D
 Acq: 11 Sep 2019 14:15

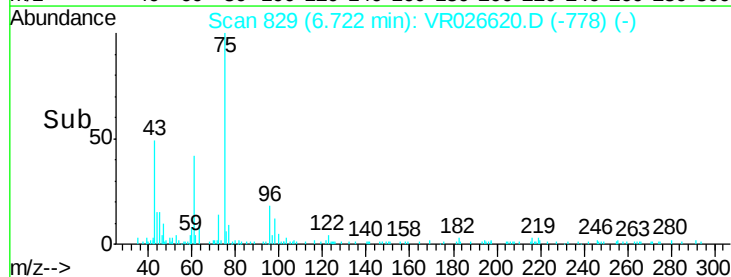
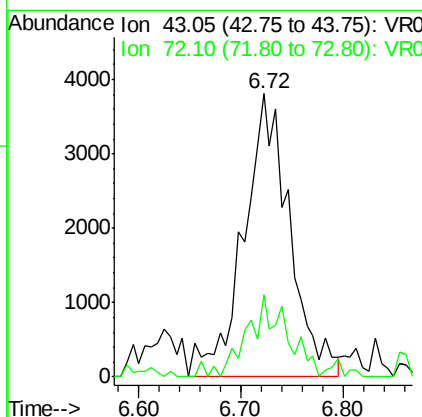
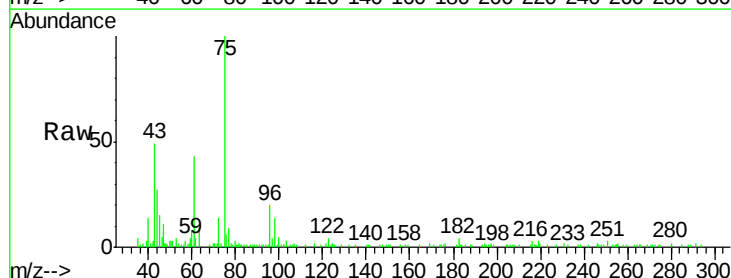
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL03

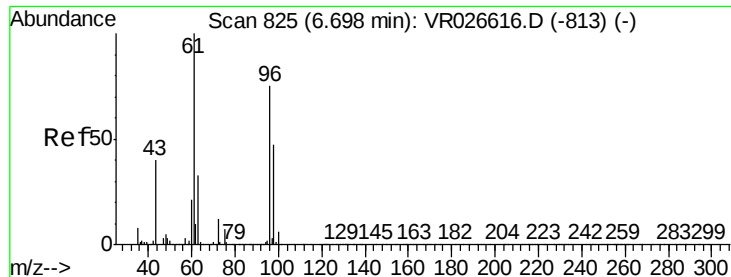
Tot Ion: 63 Resp: 21621
 Ion Ratio Lower Upper
 63 100
 65 40.5 23.2 43.0
 83 9.3 9.5 17.7#



#21
 2-Butanone
 Concen: 3.321 ug/L
 RT: 6.72 min Scan# 829
 Delta R.T. 0.01 min
 Lab File: VR026620.D
 Acq: 11 Sep 2019 14:15

Tgt Ion: 43 Resp: 11915
 Ion Ratio Lower Upper
 43 100
 72 24.1 14.2 42.6



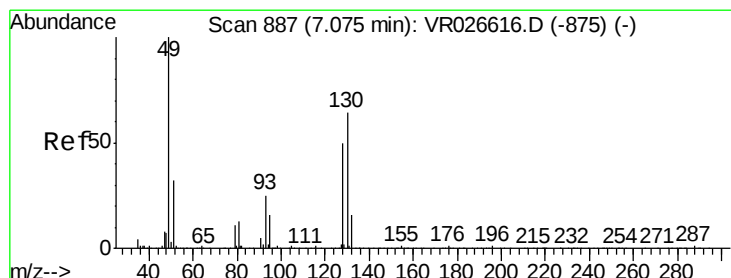
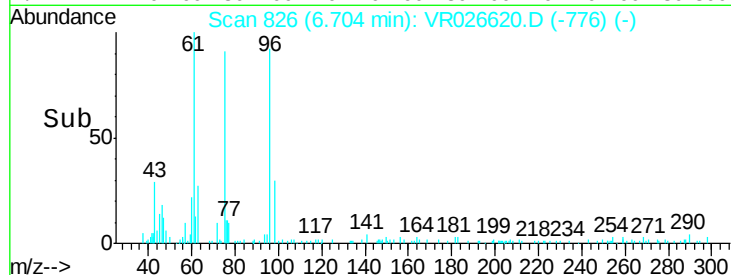
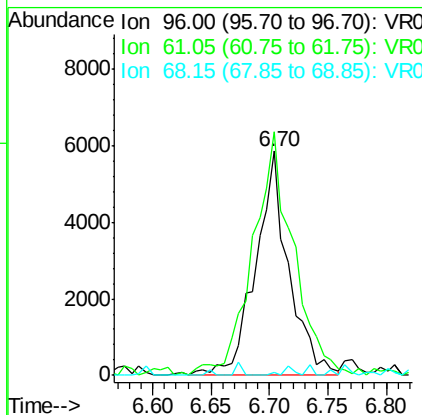
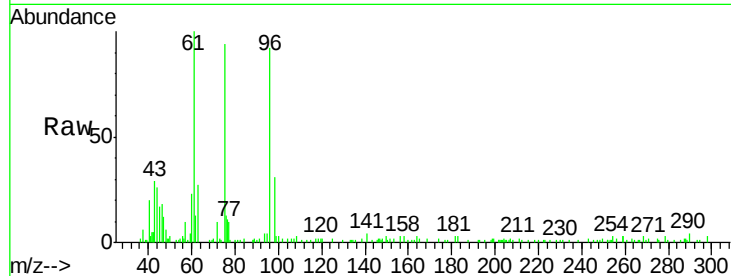


#22

cis-1,2-Dichloroethene
 Concen: 0.329 ug/L
 RT: 6.70 min Scan# 826
 Delta R.T. 0.01 min
 Lab File: VR026620.D
 Acq: 11 Sep 2019 14:15

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL03

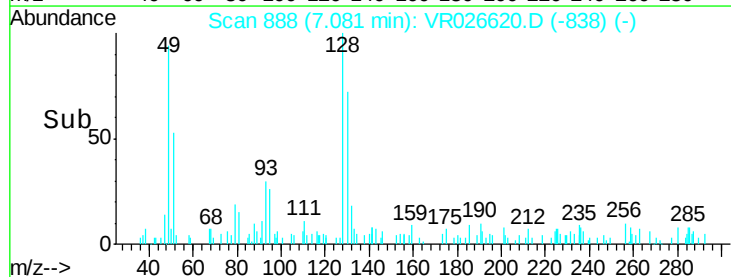
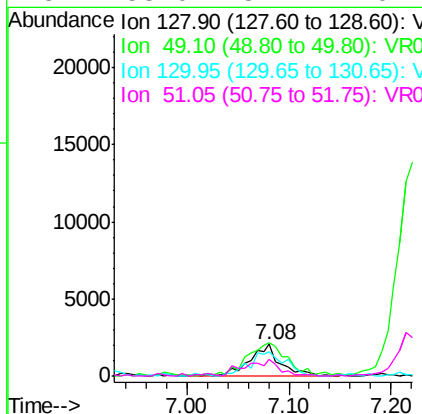
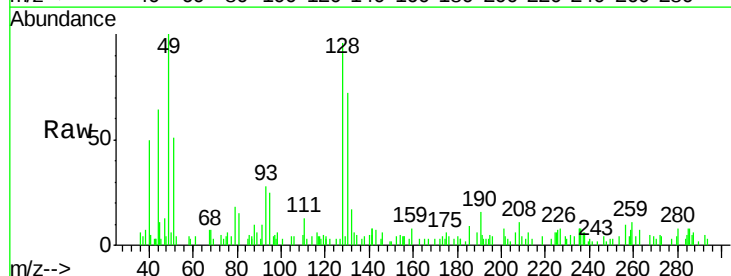
Tot Ion	Ratio	Lower	Upper
96	100		
61	108.5	94.0	174.6
68	1.5	0.1	0.1#

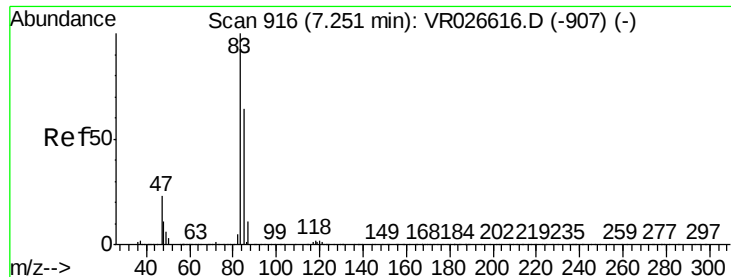


#23

Bromochloromethane
 Concen: 0.456 ug/L
 RT: 7.08 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VR026620.D
 Acq: 11 Sep 2019 14:15

Tgt Ion	Ratio	Lower	Upper
128	100		
49	104.4	113.2	210.2#
130	75.0	84.1	156.1#
51	53.0	51.1	76.7

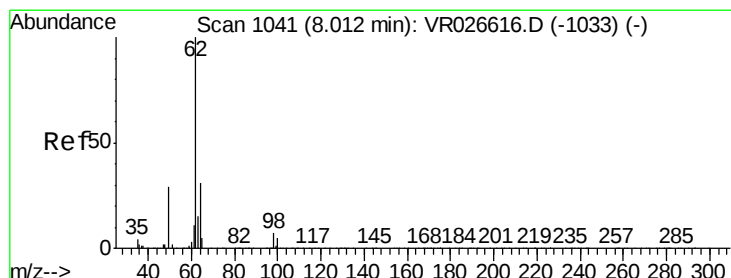
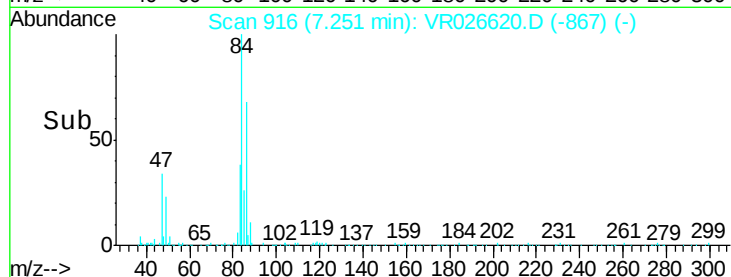
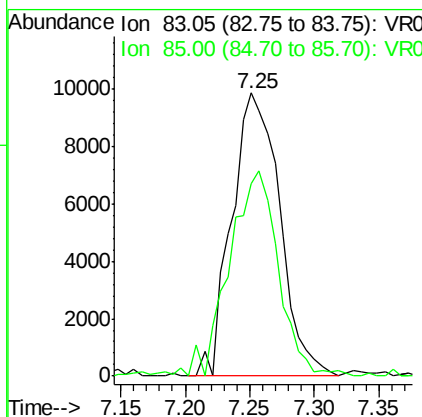
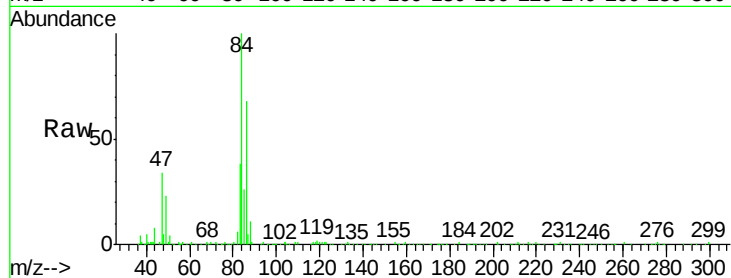




#25
Chloroform
Concen: 0.410 ug/L
RT: 7.25 min Scan# 916
Delta R.T. 0.00 min
Lab File: VR026620.D
Acq: 11 Sep 2019 14:15

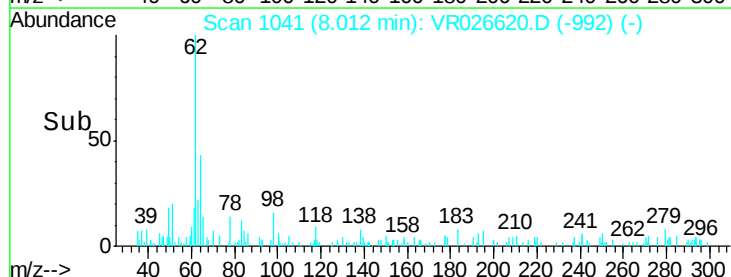
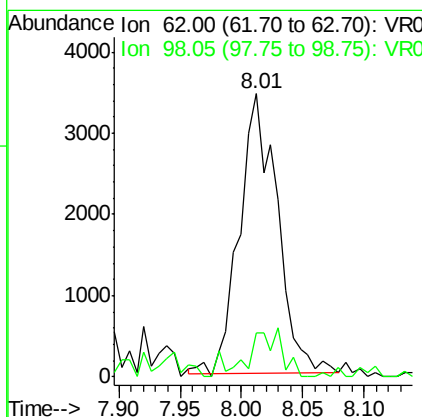
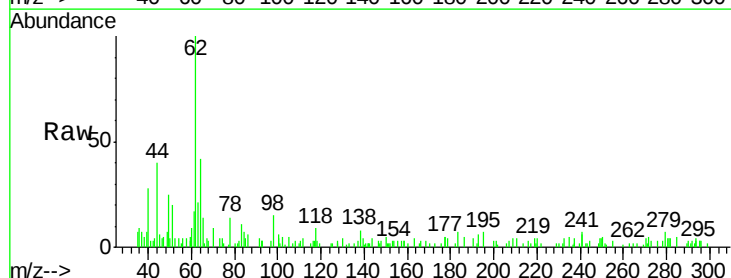
Instrument :
MSVOA_R
ClientSampled :
MDL03

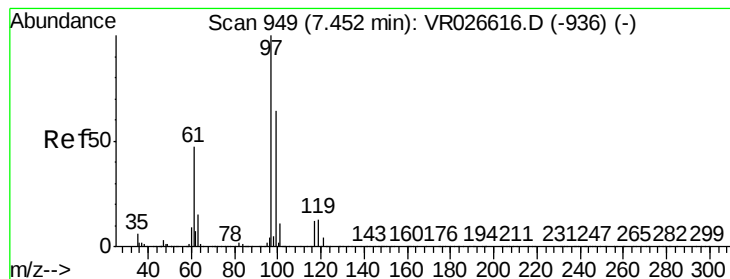
Tot Ion: 83 Resp: 25517
Ion Ratio Lower Upper
83 100
85 68.0 44.5 82.7



#27
1,2-Dichloroethane
Concen: 0.325 ug/L
RT: 8.01 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VR026620.D
Acq: 11 Sep 2019 14:15

Tgt Ion: 62 Resp: 7399
Ion Ratio Lower Upper
62 100
98 15.5 7.8 11.8#





#29

1,1,1-Trichloroethane

Concen: 0.288 ug/L

RT: 7.46 min Scan# 950

Delta R.T. 0.01 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

Instrument :

MSVOA_R

ClientSampleId :

MDL03

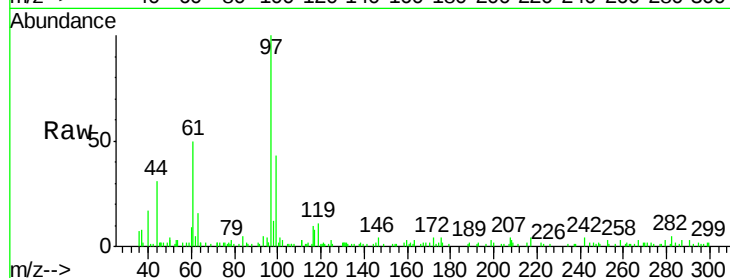
Tot Ion: 97 Resp: 14381

Ion Ratio Lower Upper

97 100

99 63.1 50.8 76.2

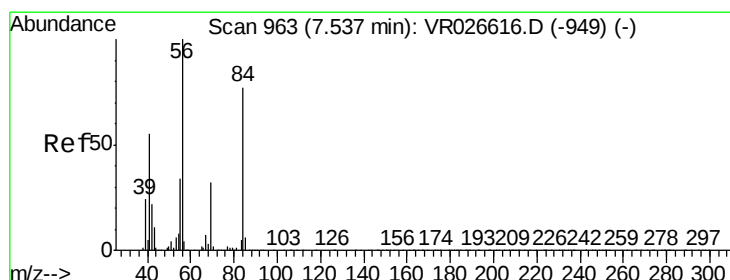
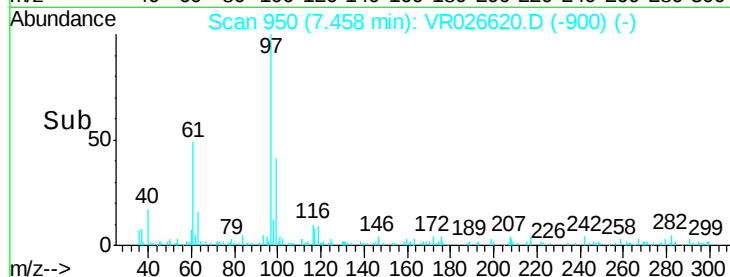
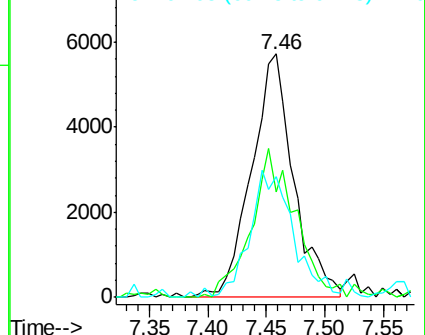
61 51.6 39.2 58.8



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 0.277 ug/L

RT: 7.54 min Scan# 964

Delta R.T. 0.01 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

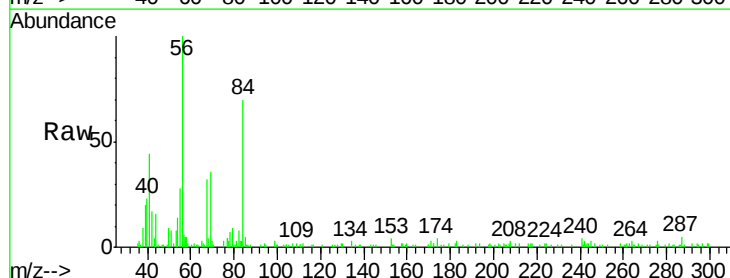
Tgt Ion: 56 Resp: 16473

Ion Ratio Lower Upper

56 100

69 33.6 25.0 37.4

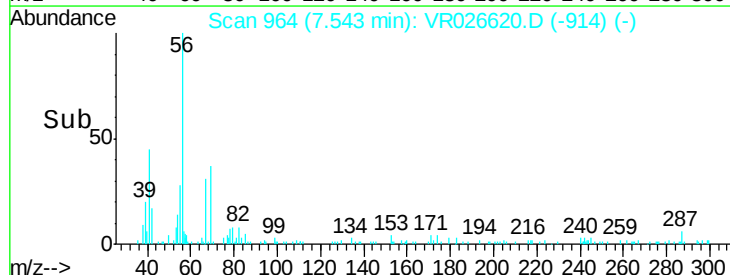
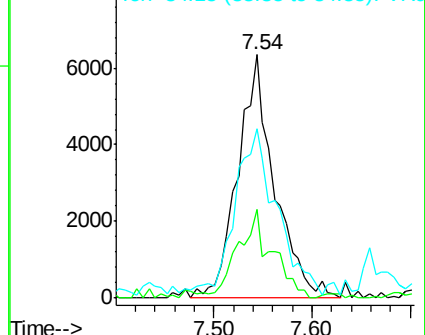
84 78.8 63.6 95.4

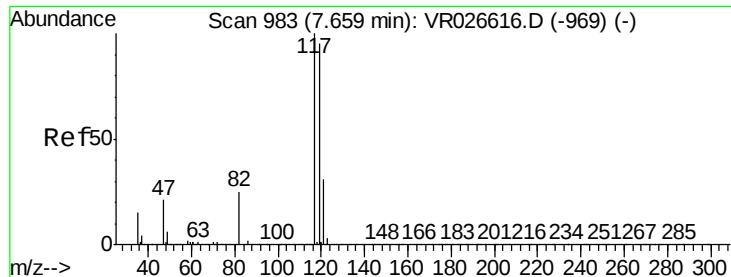


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 0.276 ug/L

RT: 7.65 min Scan# 982

Delta R.T. -0.01 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

Instrument :

MSVOA_R

ClientSampled :

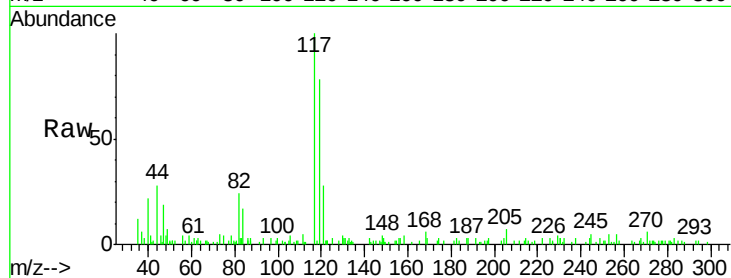
MDL03

Tot Ion:117 Resp: 11424

Ion Ratio Lower Upper

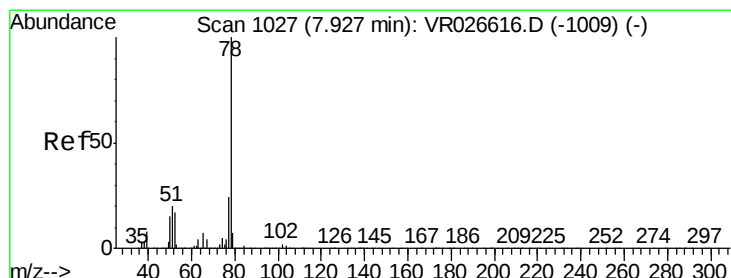
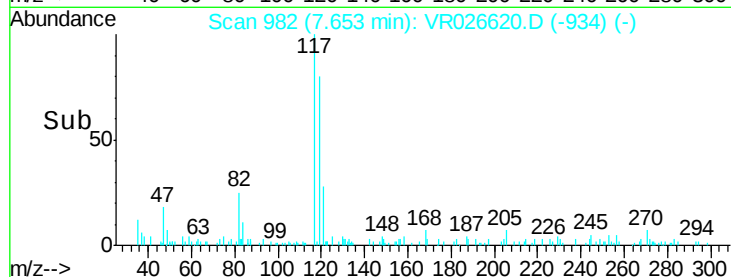
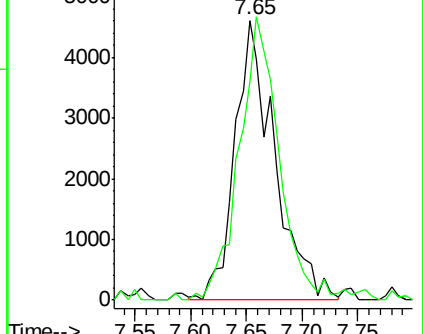
117 100

119 101.3 76.7 115.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.294 ug/L m

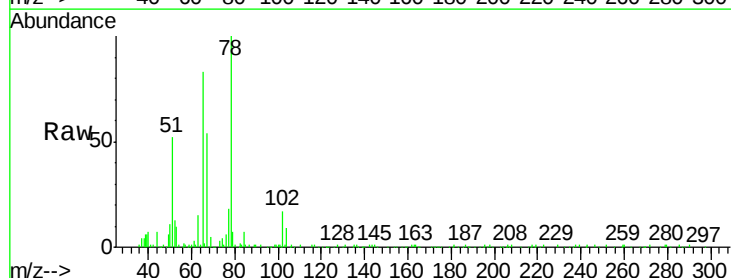
RT: 7.93 min Scan# 1028

Delta R.T. 0.01 min

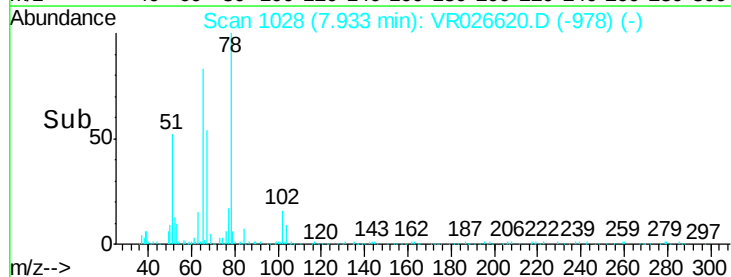
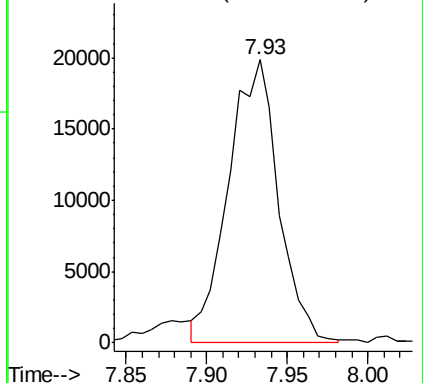
Lab File: VR026620.D

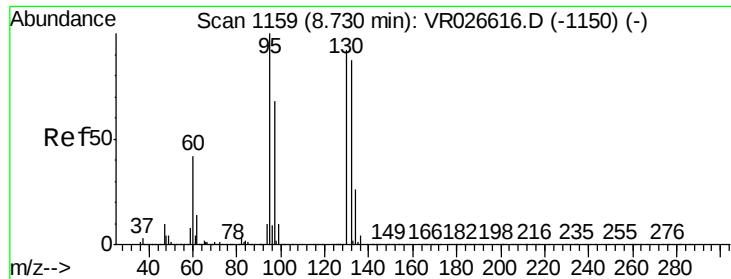
Acq: 11 Sep 2019 14:15

Tgt Ion: 78 Resp: 42990



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 0.311 ug/L

RT: 8.73 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

Instrument :

MSVOA_R

ClientSampleId :

MDL03

Tot Ion: 95 Resp: 11219

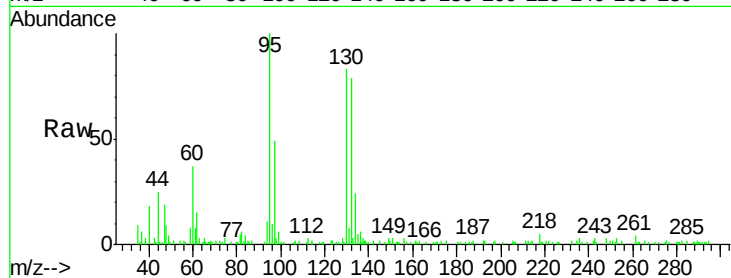
Ion Ratio Lower Upper

95 100

97 49.4 42.8 79.4

132 79.1 61.5 114.1

130 83.1 64.5 119.7

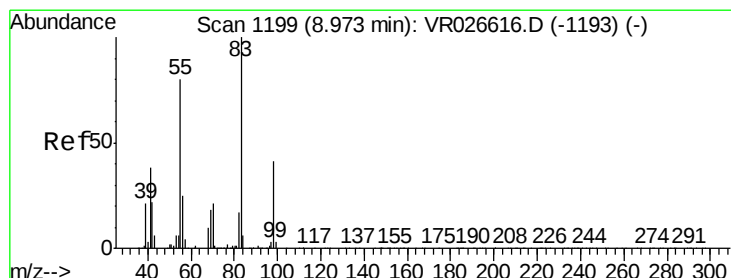
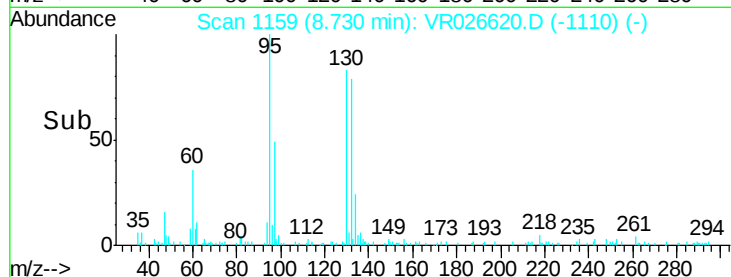
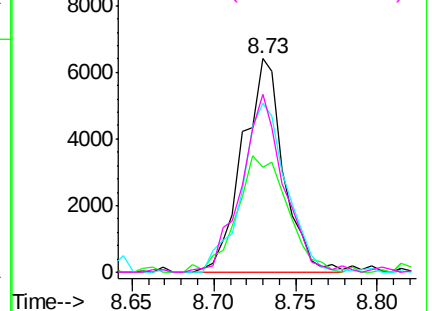


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.266 ug/L

RT: 8.98 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

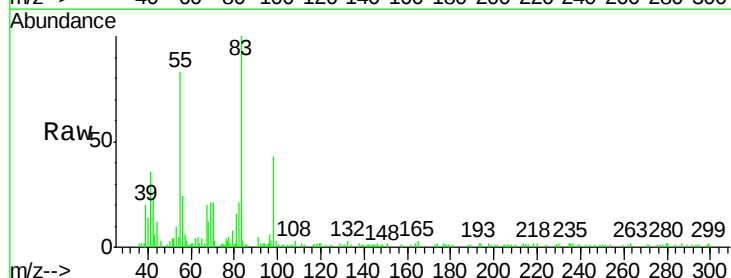
Tgt Ion: 83 Resp: 14469

Ion Ratio Lower Upper

83 100

55 90.5 65.0 97.6

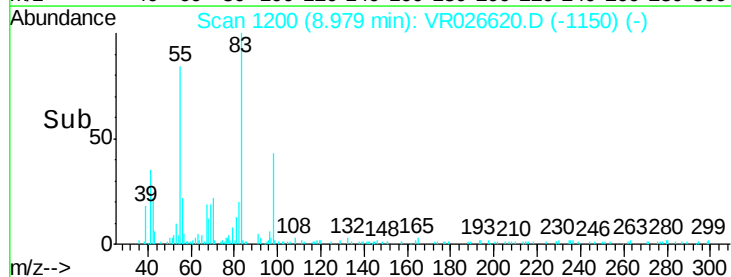
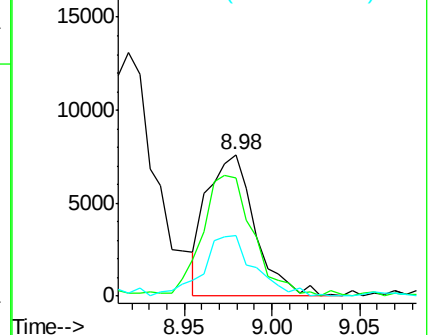
98 45.7 35.8 53.8

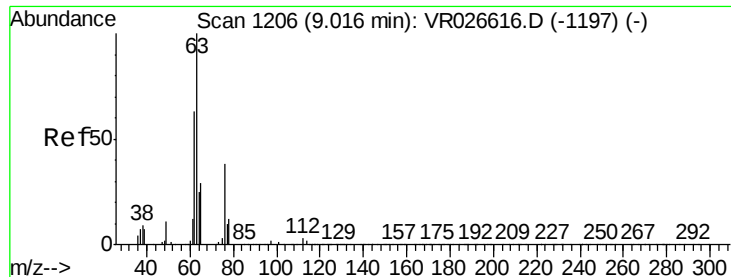


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.330 ug/L

RT: 9.02 min Scan# 1207

Delta R.T. 0.01 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

Instrument :

MSVOA_R

ClientSampleId :

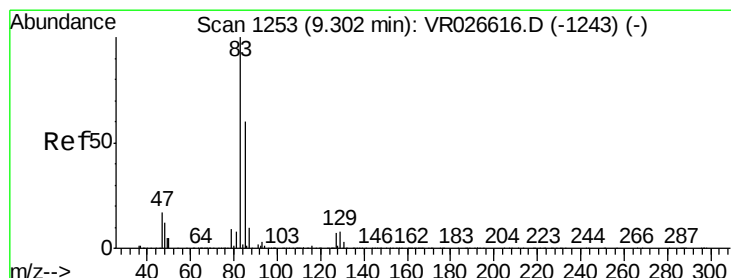
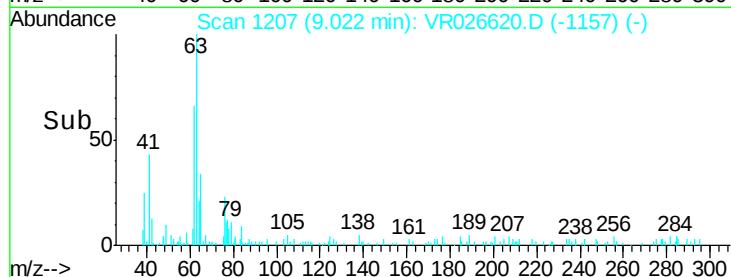
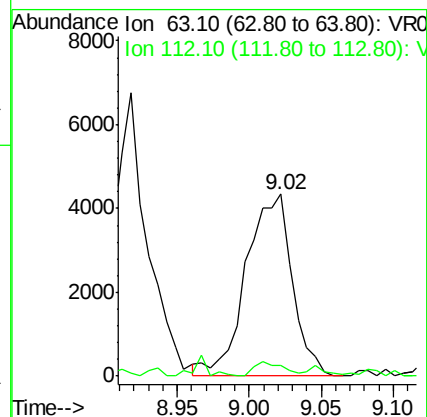
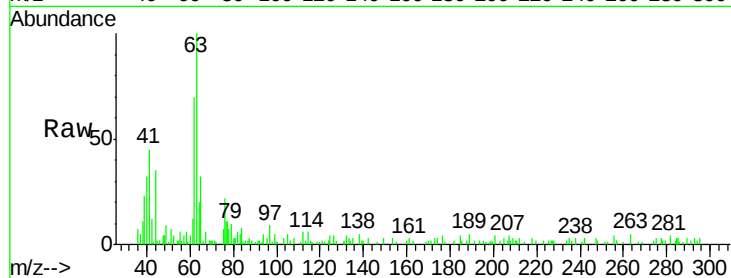
MDL03

Tot Ion: 63 Resp: 9624

Ion Ratio Lower Upper

63 100

112 5.0 2.9 4.3#



#38

Bromodichloromethane

Concen: 0.280 ug/L

RT: 9.30 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

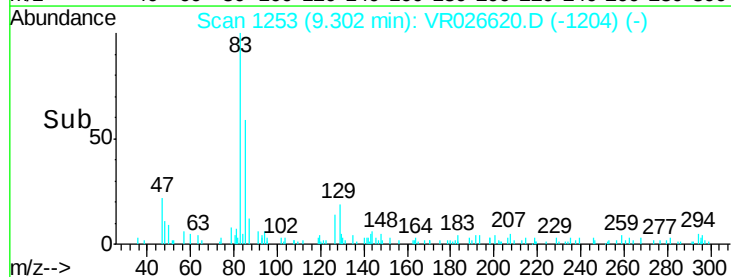
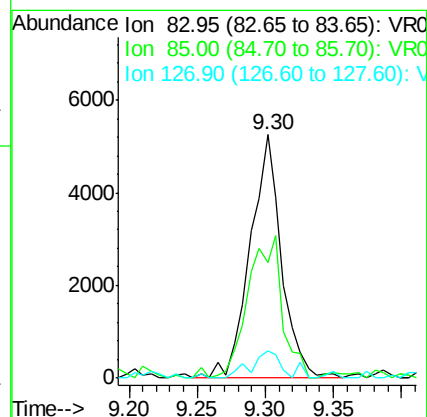
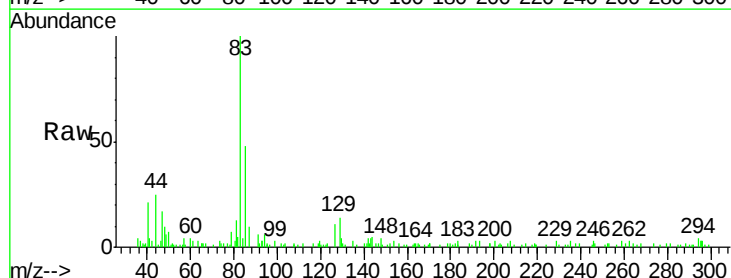
Tgt Ion: 83 Resp: 8437

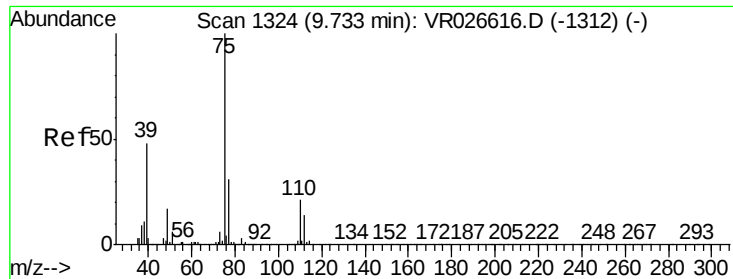
Ion Ratio Lower Upper

83 100

85 47.6 44.0 81.6

127 11.0 6.9 10.3#

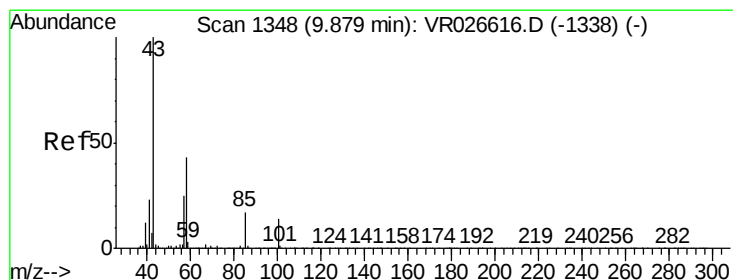
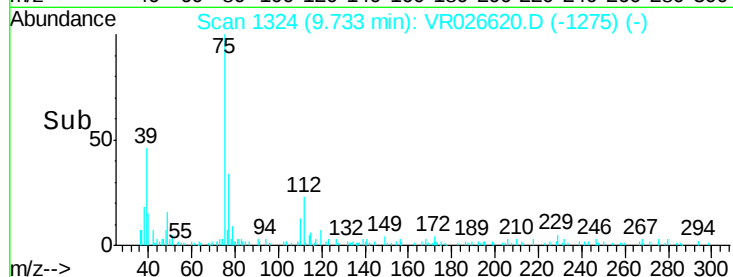
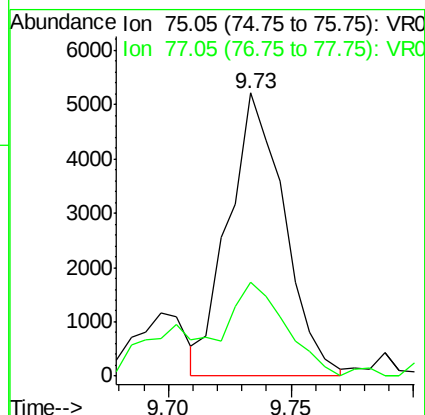
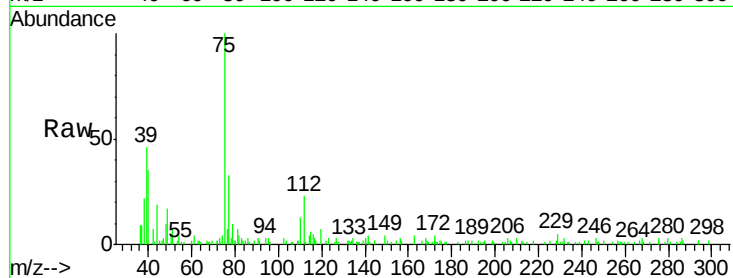




#39
 cis-1,3-Dichloropropene
 Concen: 0.260 ug/L
 RT: 9.73 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VR026620.D
 Acq: 11 Sep 2019 14:15

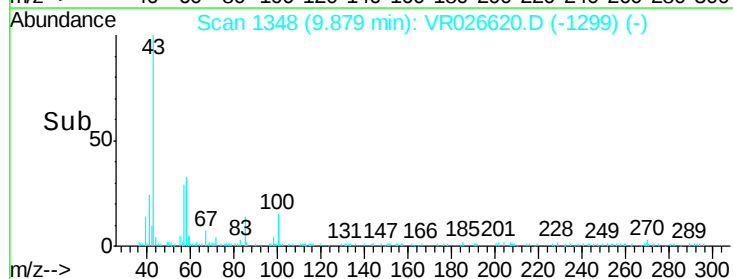
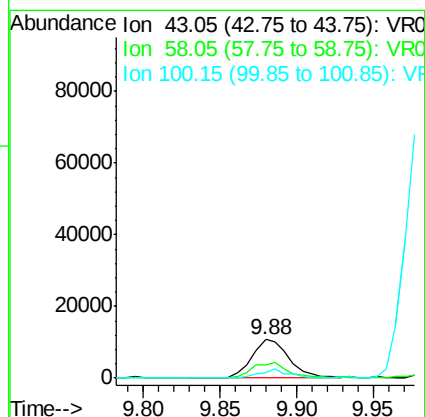
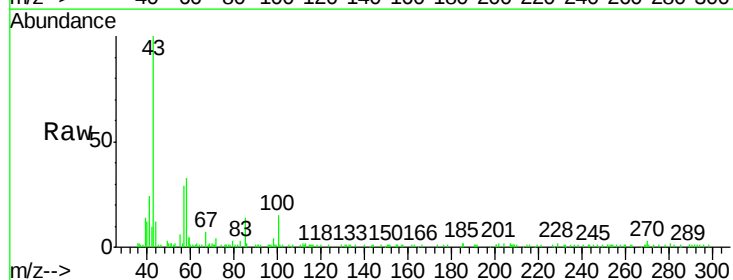
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL03

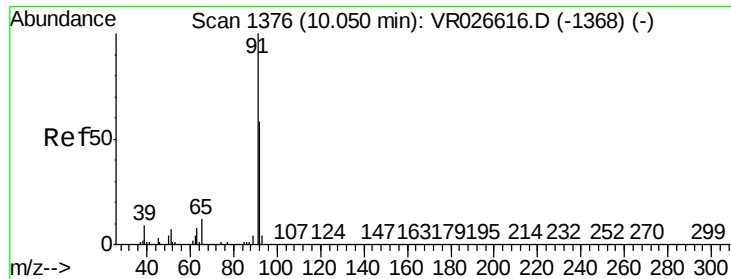
Tot Ion: 75 Resp: 8244
 Ion Ratio Lower Upper
 75 100
 77 33.1 21.0 39.0



#40
 4-Methyl-2-pentanone
 Concen: 2.180 ug/L
 RT: 9.88 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VR026620.D
 Acq: 11 Sep 2019 14:15

Tgt Ion: 43 Resp: 18183
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.6 47.4
 100 0.0 11.4 17.0#





#42

Toluene

Concen: 0.301 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

Instrument :

MSVOA_R

ClientSampleId :

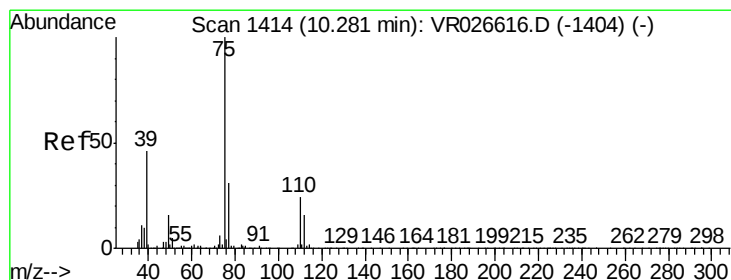
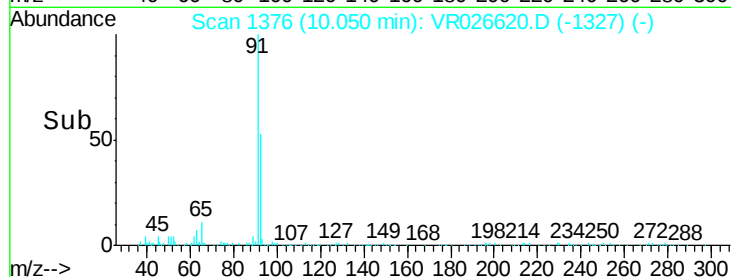
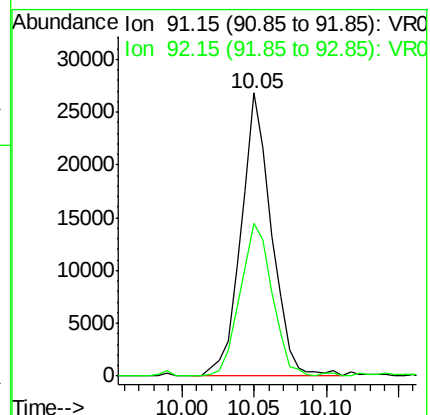
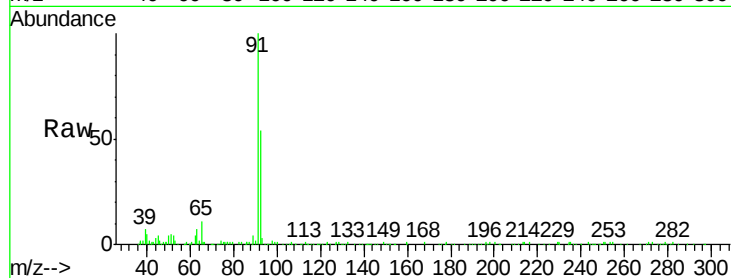
MDL03

Tot Ion: 91 Resp: 39286

Ion Ratio Lower Upper

91 100

92 54.1 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 0.257 ug/L m

RT: 10.27 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VR026620.D

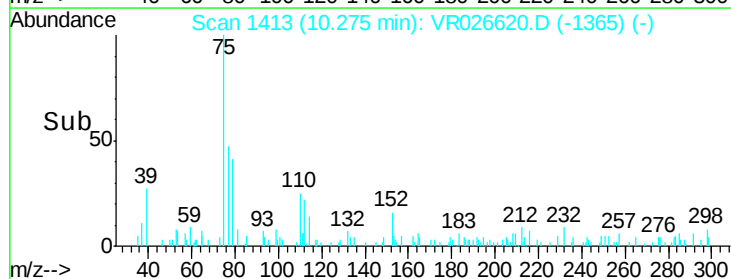
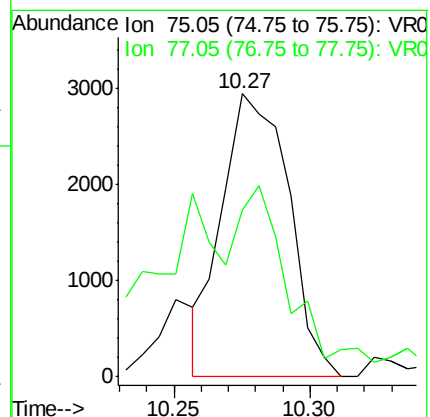
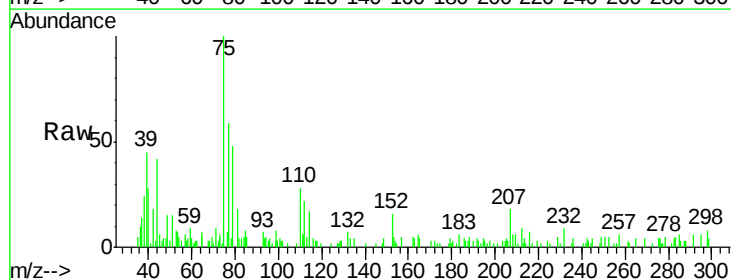
Acq: 11 Sep 2019 14:15

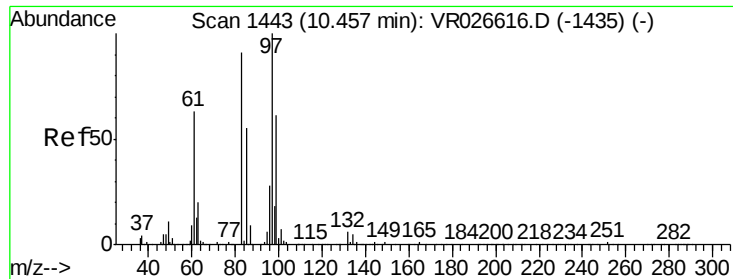
Tgt Ion: 75 Resp: 5071

Ion Ratio Lower Upper

75 100

77 58.9 24.3 45.1#

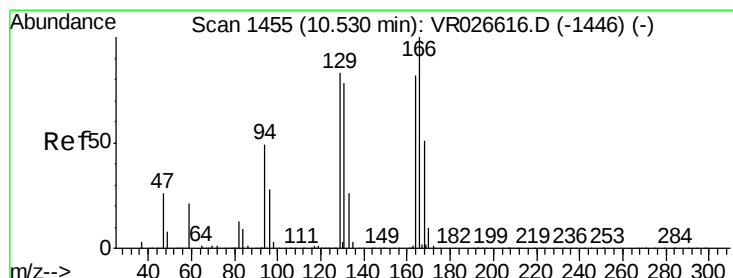
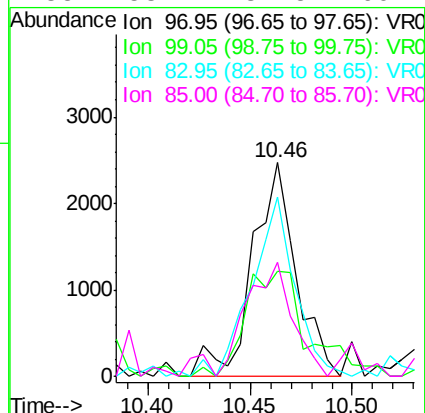
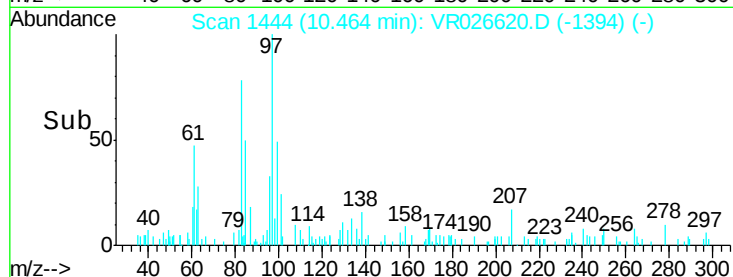
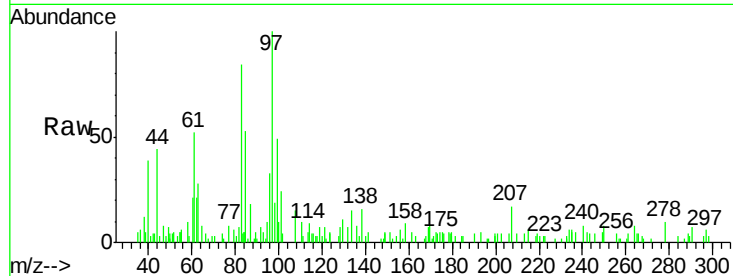




#45
1,1,2-Trichloroethane
Concen: 0.301 ug/L
RT: 10.46 min Scan# 1444
Delta R.T. 0.01 min
Lab File: VR026620.D
Acq: 11 Sep 2019 14:15

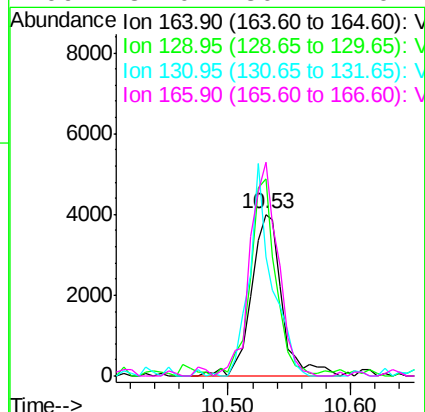
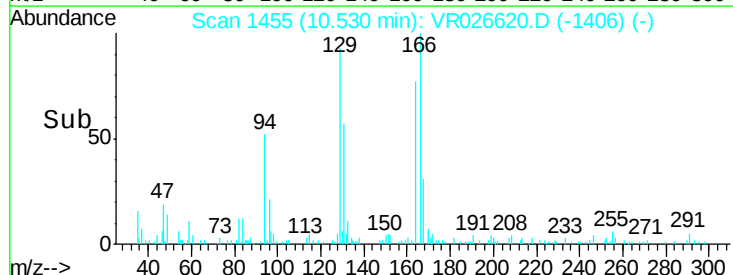
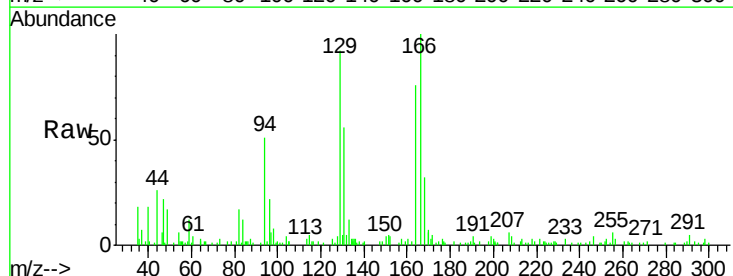
Instrument :
MSVOA_R
ClientSampleId :
MDL03

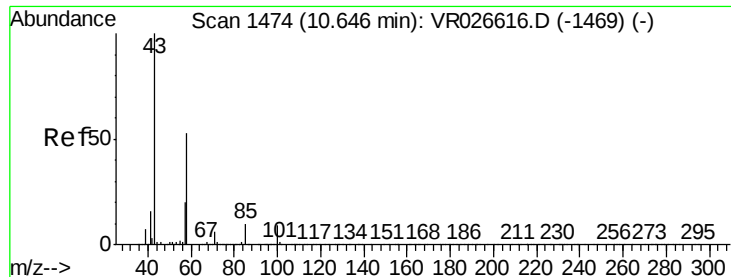
Tot Ion:	97	Resp:	3670
Ion	Ratio	Lower	Upper
97	100		
99	49.0	40.4	75.0
83	83.8	61.2	113.8
85	53.4	37.5	69.7



#47
Tetrachloroethene
Concen: 0.341 ug/L
RT: 10.53 min Scan# 1455
Delta R.T. 0.00 min
Lab File: VR026620.D
Acq: 11 Sep 2019 14:15

Tgt Ion:	164	Resp:	6914
Ion	Ratio	Lower	Upper
164	100		
129	121.5	69.4	128.8
131	73.7	63.6	118.0
166	132.0	80.4	149.2

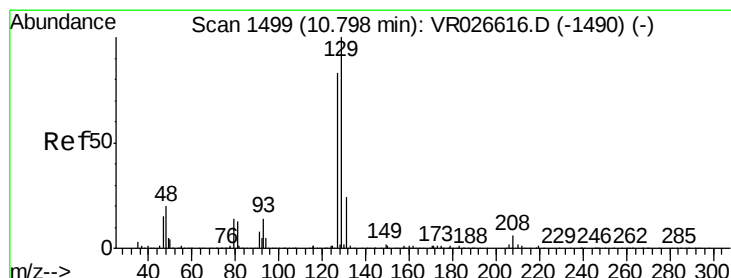
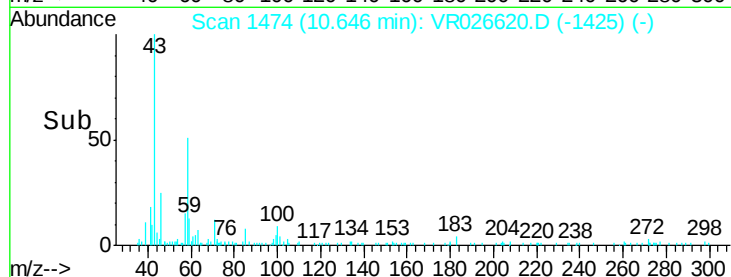
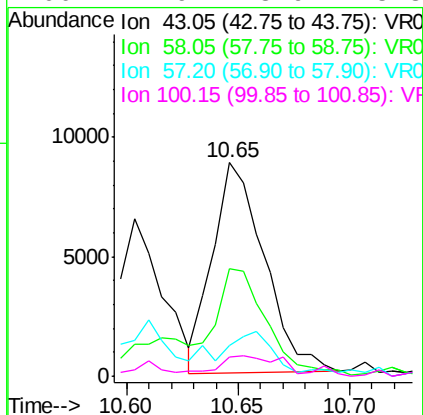
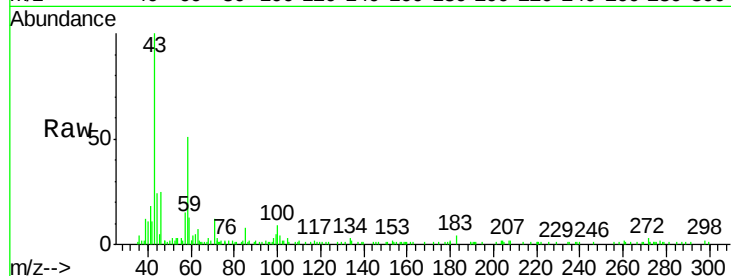




#48
2-Hexanone
Concen: 2.874 ug/L
RT: 10.65 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VR026620.D
Acq: 11 Sep 2019 14:15

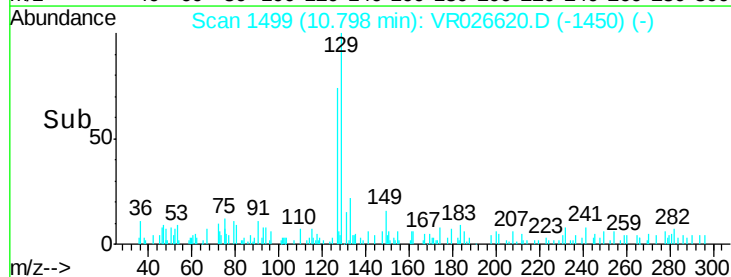
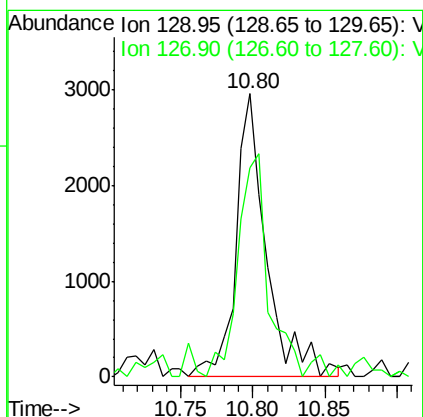
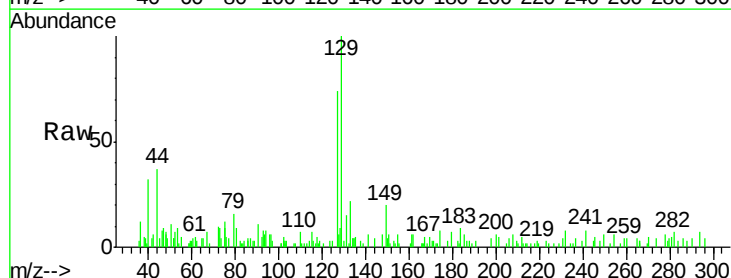
Instrument :
MSVOA_R
ClientSampleId :
MDL03

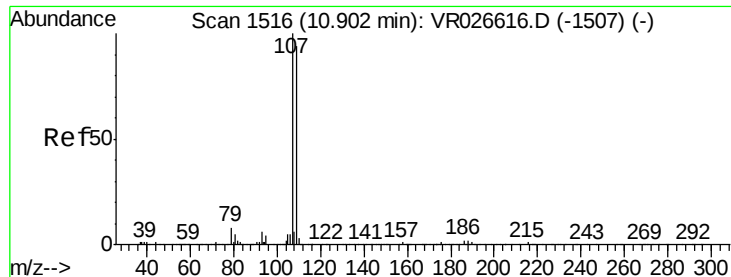
Tot Ion:	43	Resp:	14248
Ion	Ratio	Lower	Upper
43	100		
58	50.9	46.0	69.0
57	20.4	16.1	24.1
100	11.9	8.9	13.3



#49
Dibromochloromethane
Concen: 0.343 ug/L
RT: 10.80 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VR026620.D
Acq: 11 Sep 2019 14:15

Tgt Ion:	129	Resp:	4360
Ion	Ratio	Lower	Upper
129	100		
127	73.9	59.9	111.3

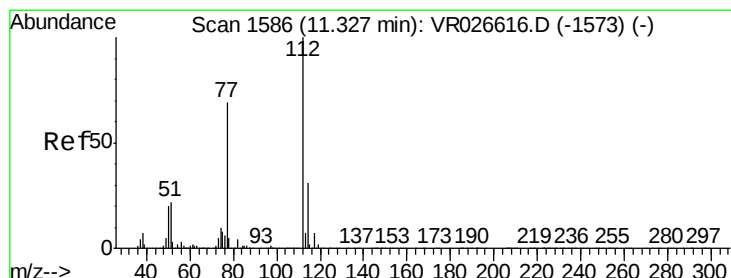
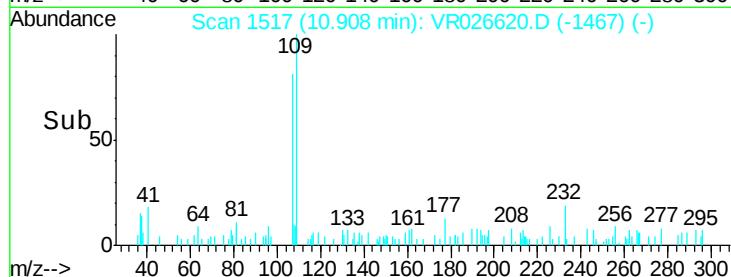
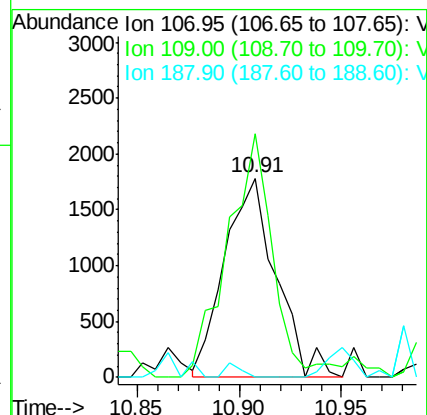
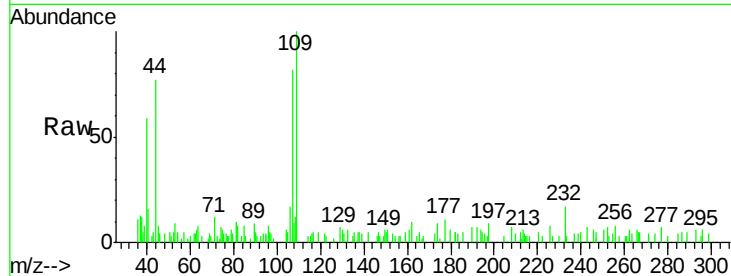




#50
1,2-Dibromoethane
Concen: 0.305 ug/L
RT: 10.91 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VR026620.D
Acq: 11 Sep 2019 14:15

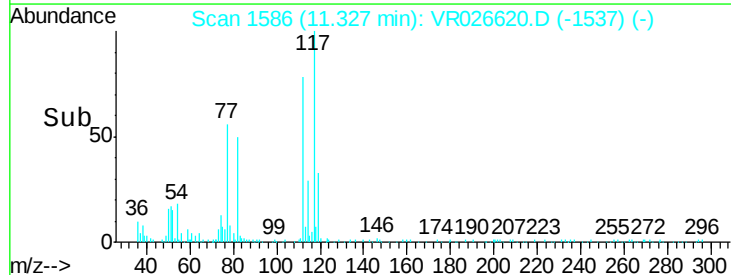
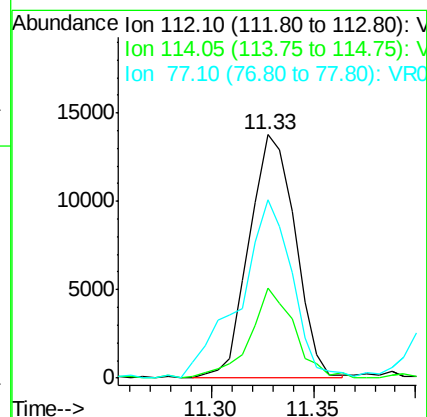
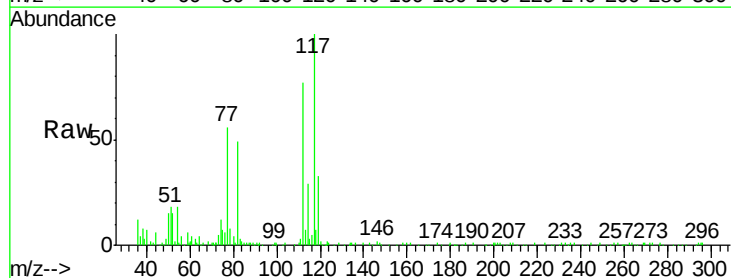
Instrument :
MSVOA_R
ClientSampleId :
MDL03

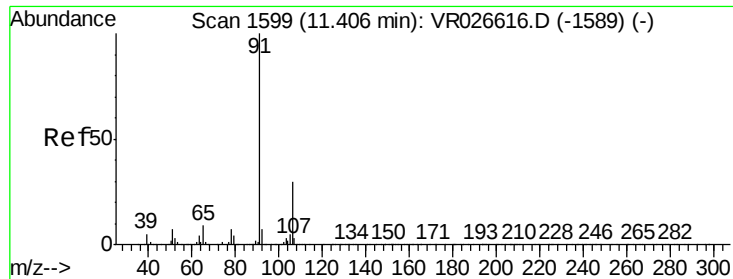
Tot Ion:107 Resp: 3112
Ion Ratio Lower Upper
107 100
109 122.3 66.8 124.2
188 0.0 1.9 2.9#



#51
Chlorobenzene
Concen: 0.308 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VR026620.D
Acq: 11 Sep 2019 14:15

Tgt Ion:112 Resp: 21684
Ion Ratio Lower Upper
112 100
114 37.1 22.7 42.3
77 73.4 54.3 81.5





#52

Ethylbenzene

Concen: 0.282 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

Instrument :

MSVOA_R

ClientSampleId :

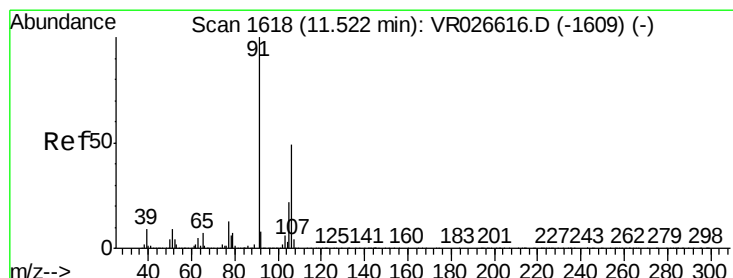
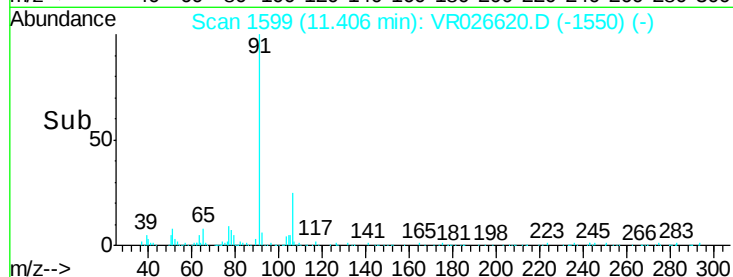
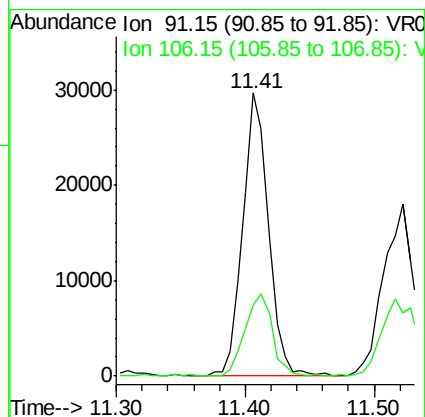
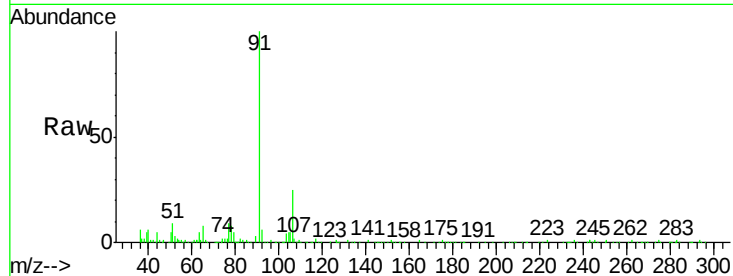
MDL03

Tot Ion: 91 Resp: 40435

Ion Ratio Lower Upper

91 100

106 25.0 20.6 38.2



#53

m,p-Xylene

Concen: 0.279 ug/L

RT: 11.52 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VR026620.D

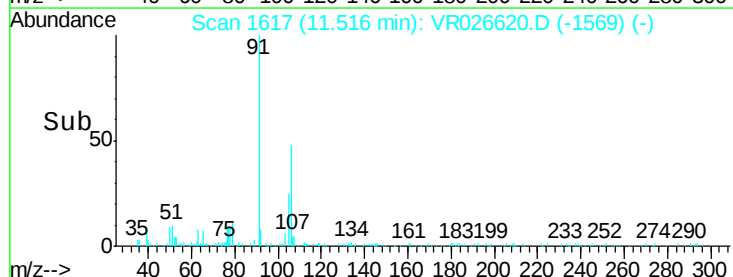
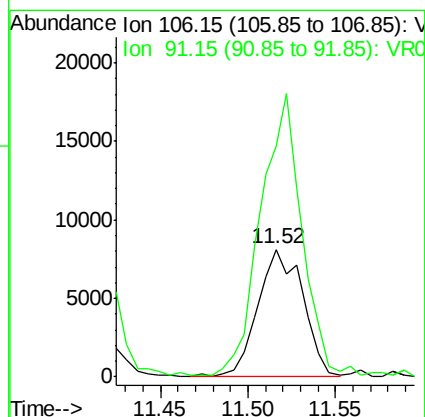
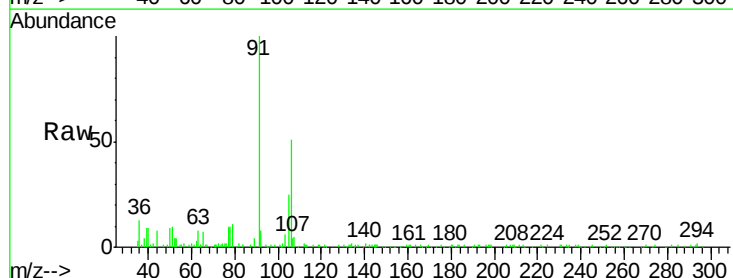
Acq: 11 Sep 2019 14:15

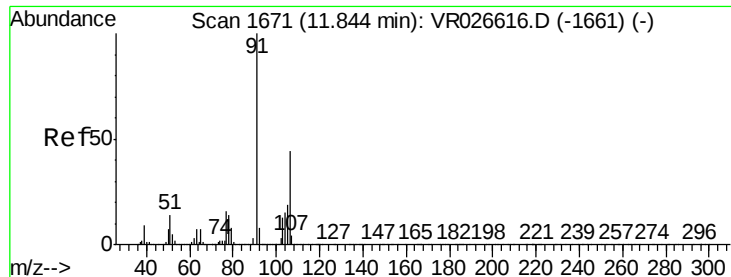
Tgt Ion: 106 Resp: 14613

Ion Ratio Lower Upper

106 100

91 181.6 151.8 282.0

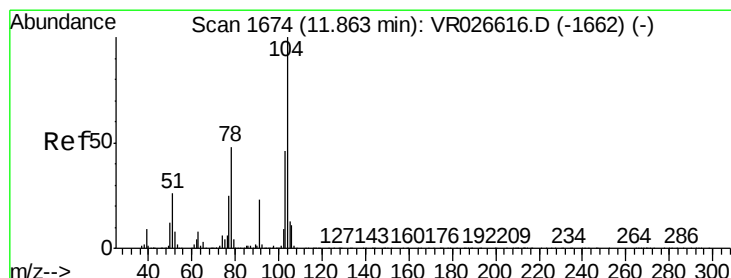
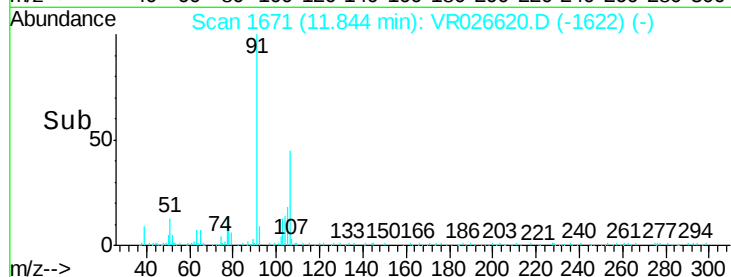
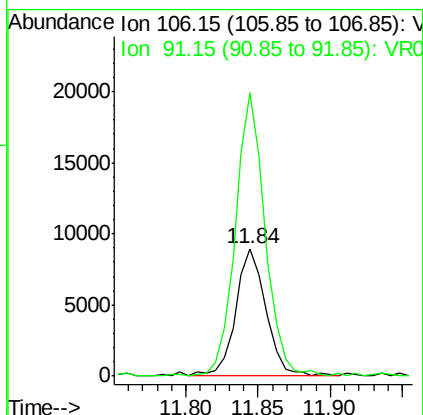
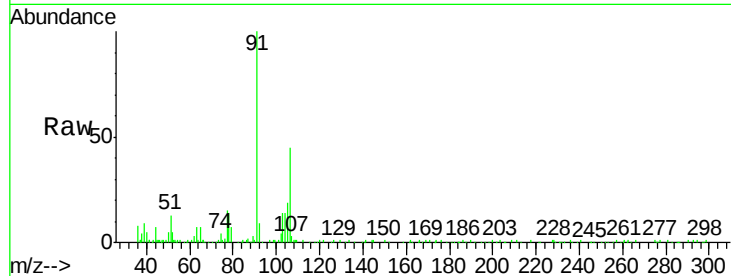




#54
o-Xylene
Concen: 0.259 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026620.D
Acq: 11 Sep 2019 14:15

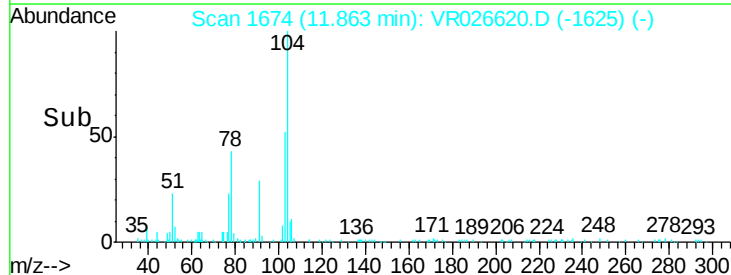
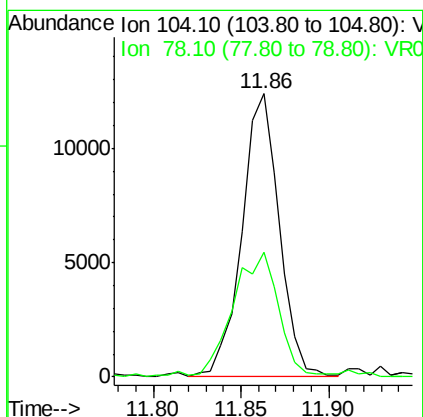
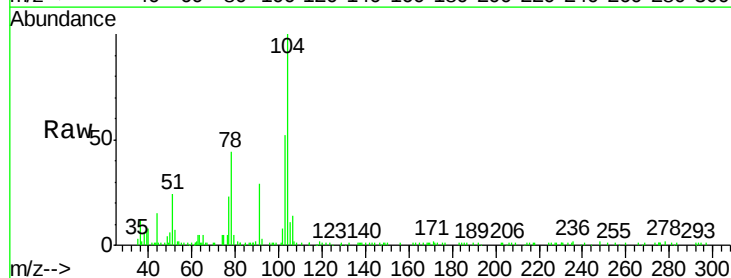
Instrument :
MSVOA_R
ClientSampled :
MDL03

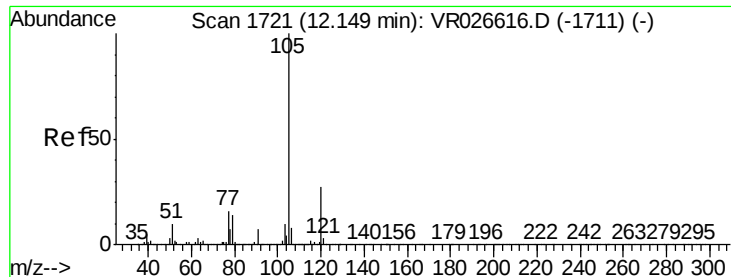
Tot Ion:106 Resp: 13238
Ion Ratio Lower Upper
106 100
91 222.1 161.3 299.5



#55
Styrene
Concen: 0.262 ug/L
RT: 11.86 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VR026620.D
Acq: 11 Sep 2019 14:15

Tgt Ion:104 Resp: 18433
Ion Ratio Lower Upper
104 100
78 44.2 34.3 63.7





#56

Isopropylbenzene

Concen: 0.261 ug/L

RT: 12.15 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

Instrument :

MSVOA_R

ClientSampleId :

MDL03

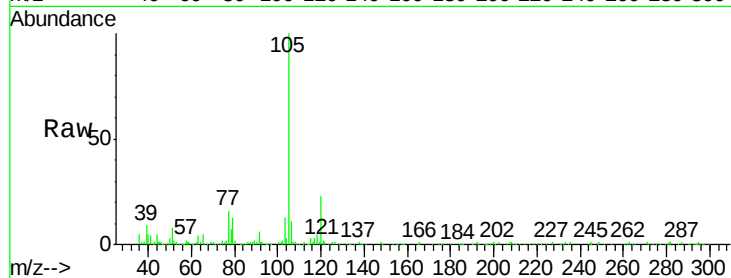
Tot Ion:105 Resp: 37086

Ion Ratio Lower Upper

105 100

120 27.9 20.7 31.1

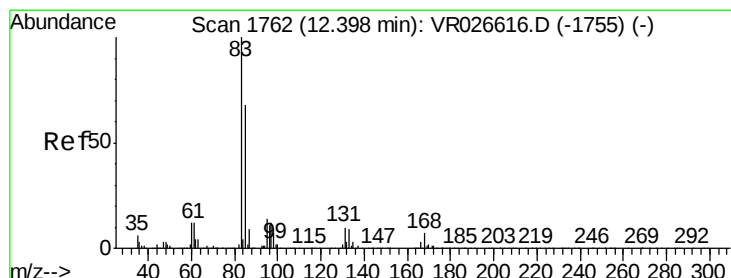
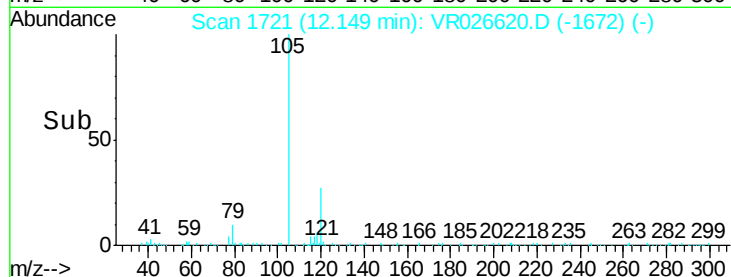
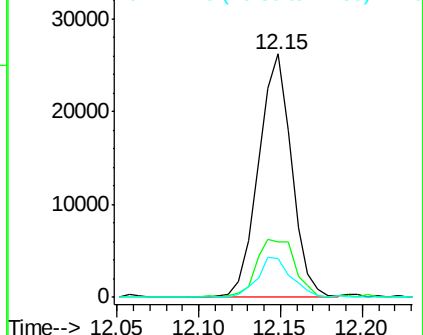
77 16.7 13.1 19.7



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.296 ug/L

RT: 12.39 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

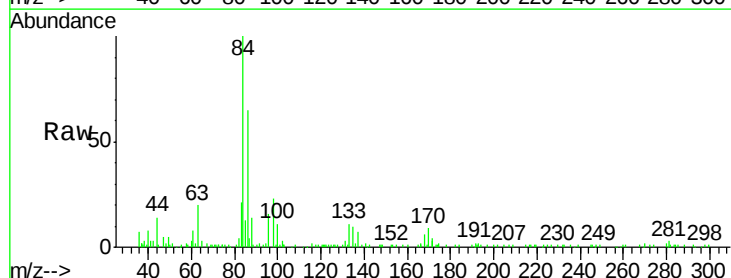
Tgt Ion: 83 Resp: 4102

Ion Ratio Lower Upper

83 100

85 63.6 45.7 84.9

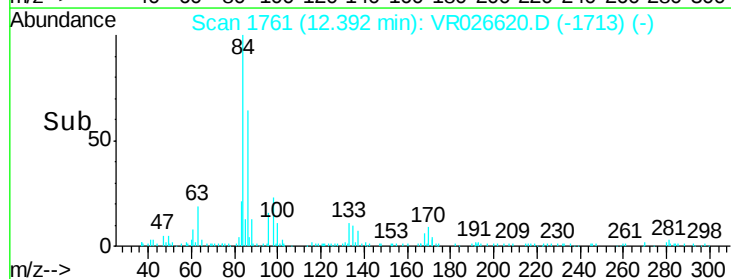
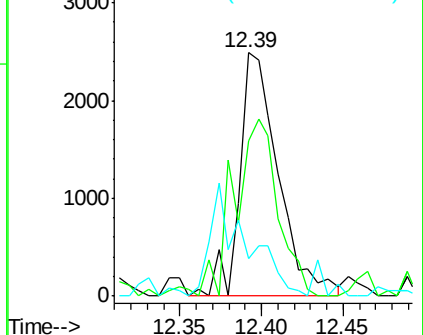
131 15.2 7.9 11.9#

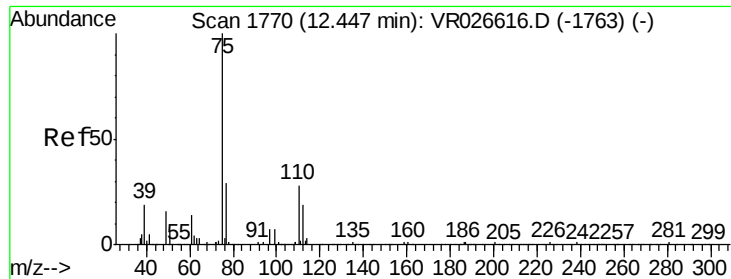


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

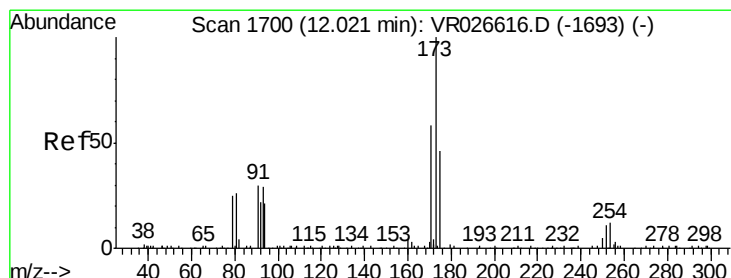
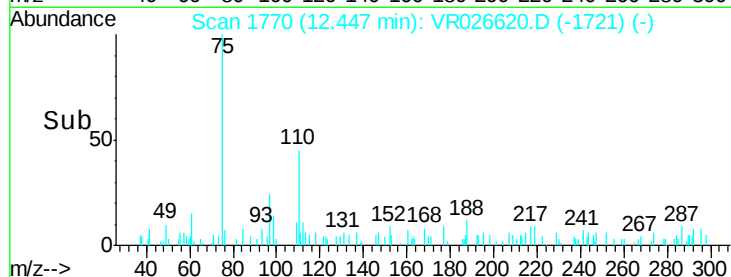
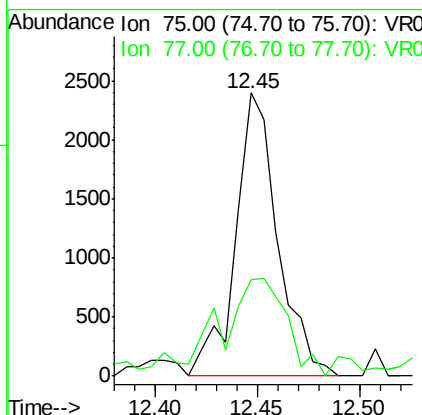
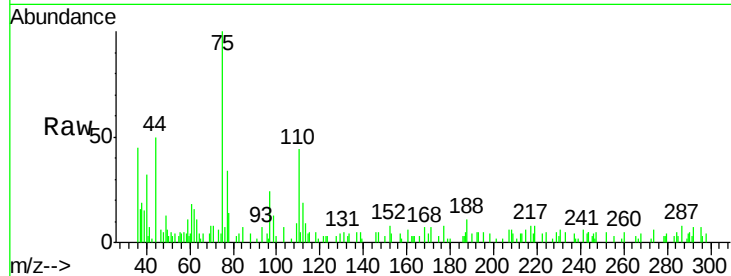




#59
 1,2,3-Trichloropropane
 Concen: 0.343 ug/L
 RT: 12.45 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VR026620.D
 Acq: 11 Sep 2019 14:15

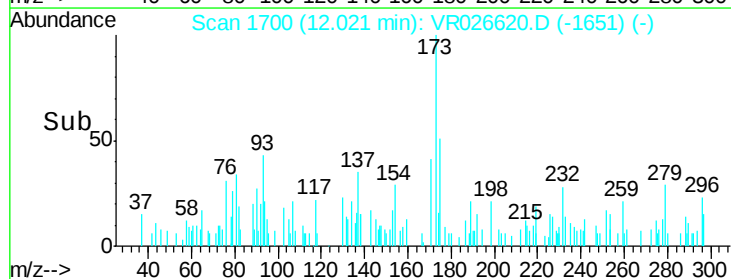
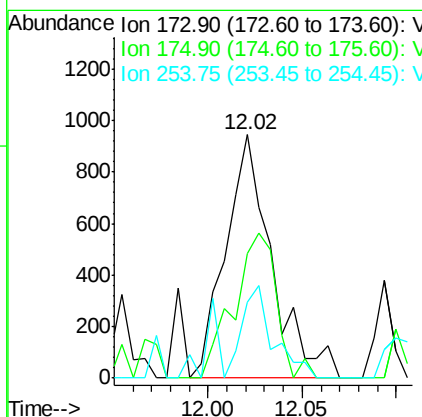
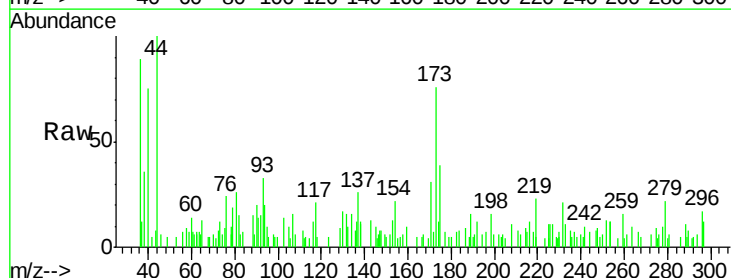
Instrument :
 MSVOA_R
 ClientSampled :
 MDL03

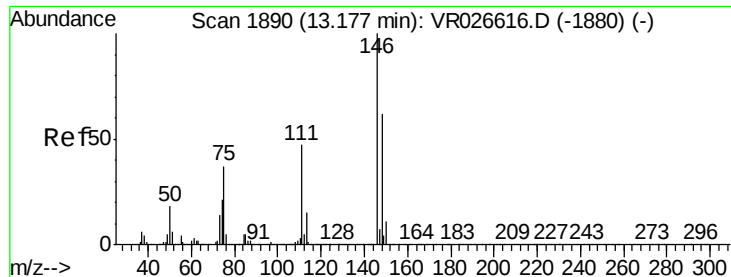
Tot Ion: 75 Resp: 3446
 Ion Ratio Lower Upper
 75 100
 77 56.3 27.3 40.9#



#61
 Bromoform
 Concen: 0.303 ug/L m
 RT: 12.02 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VR026620.D
 Acq: 11 Sep 2019 14:15

Tgt Ion: 173 Resp: 1609
 Ion Ratio Lower Upper
 173 100
 175 10.9 38.8 58.2#
 254 3.4 10.0 15.0#

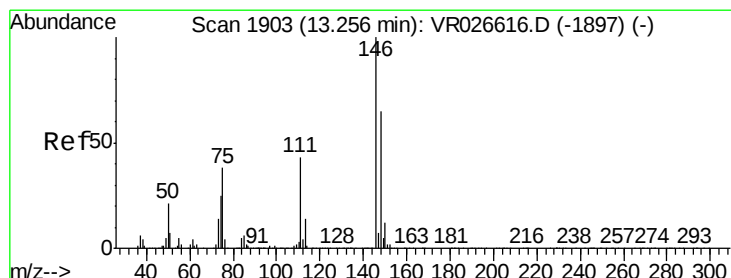
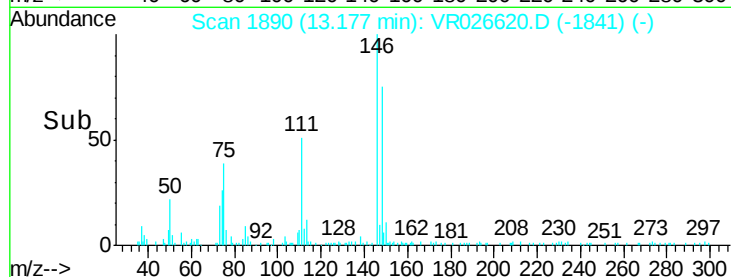
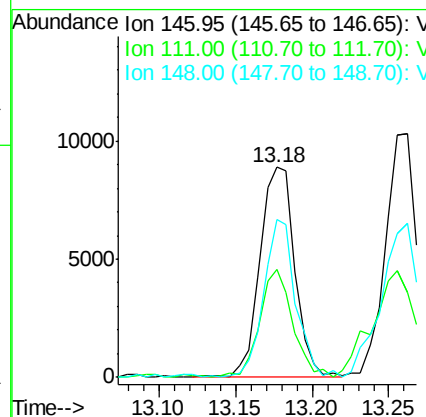
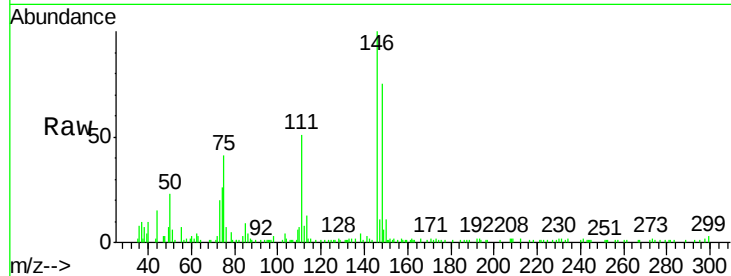




#62
 1,3-Dichlorobenzene
 Concen: 0.288 ug/L
 RT: 13.18 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VR026620.D
 Acq: 11 Sep 2019 14:15

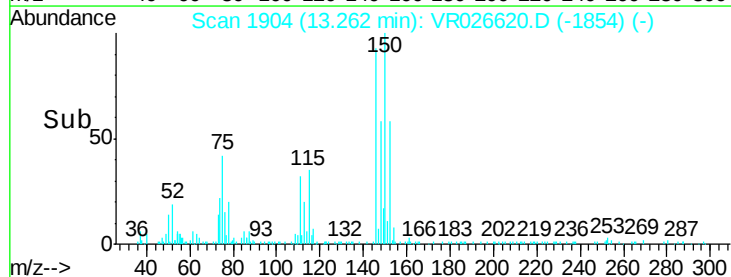
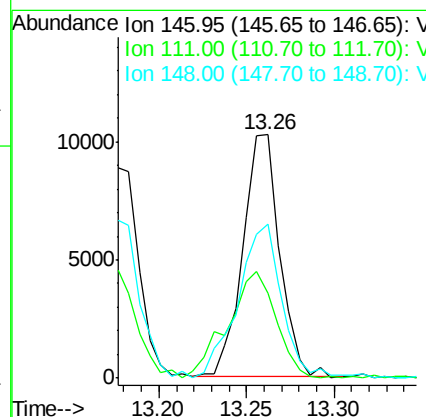
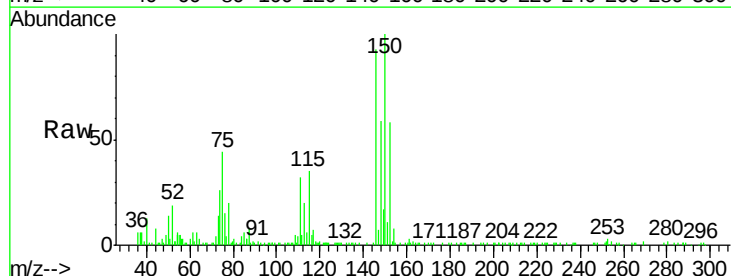
Instrument :
 MSVOA_R
 ClientSampleID :
 MDL03

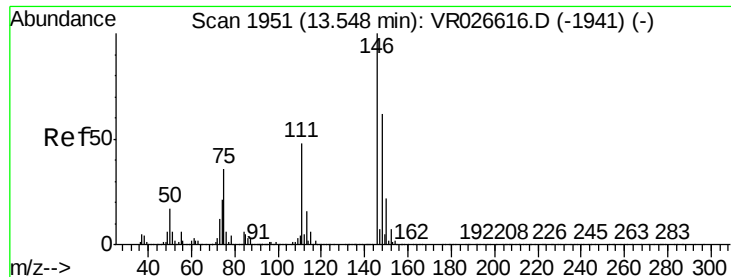
Tot Ion	Ratio	Lower	Upper
146	100		
111	51.2	32.2	59.8
148	74.9	45.6	84.8



#63
 1,4-Dichlorobenzene
 Concen: 0.317 ug/L
 RT: 13.26 min Scan# 1904
 Delta R.T. 0.01 min
 Lab File: VR026620.D
 Acq: 11 Sep 2019 14:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.7	33.2	61.7
148	63.3	42.4	78.6

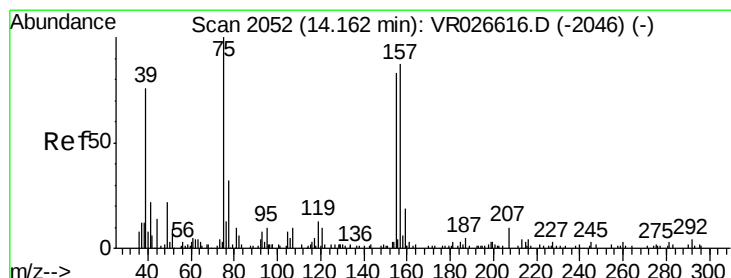
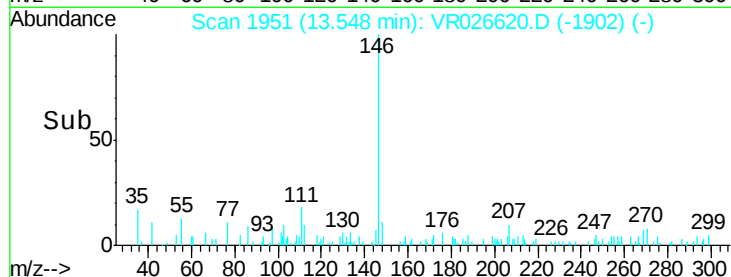
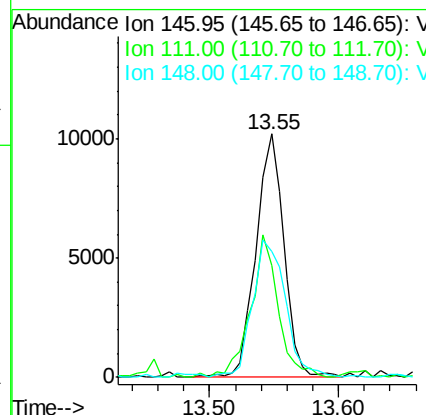
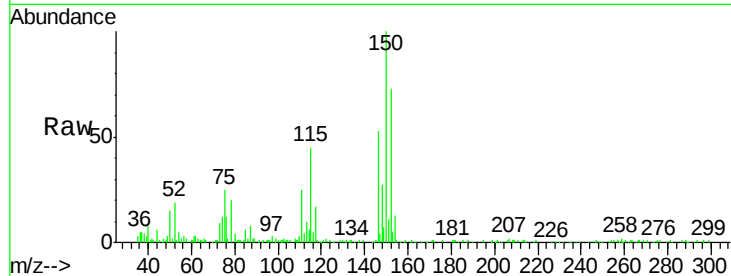




#65
 1,2-Dichlorobenzene
 Concen: 0.371 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VR026620.D
 Acq: 11 Sep 2019 14:15

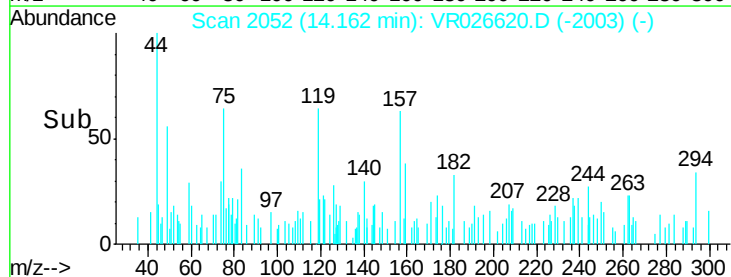
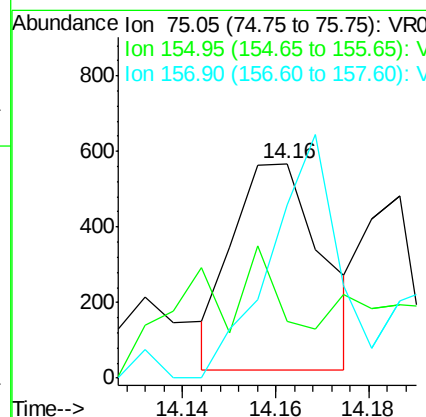
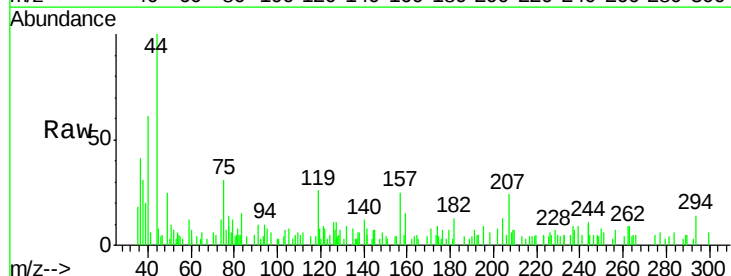
Instrument :
 MSVOA_R
 ClientSampled :
 MDL03

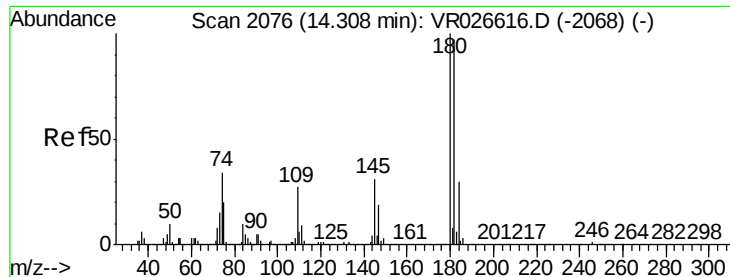
Tot Ion:146 Resp: 15227
 Ion Ratio Lower Upper
 146 100
 111 46.1 39.3 58.9
 148 51.6 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.346 ug/L m
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.00 min
 Lab File: VR026620.D
 Acq: 11 Sep 2019 14:15

Tgt Ion: 75 Resp: 721
 Ion Ratio Lower Upper
 75 100
 155 13.6 50.2 75.4#
 157 80.8 74.5 111.7

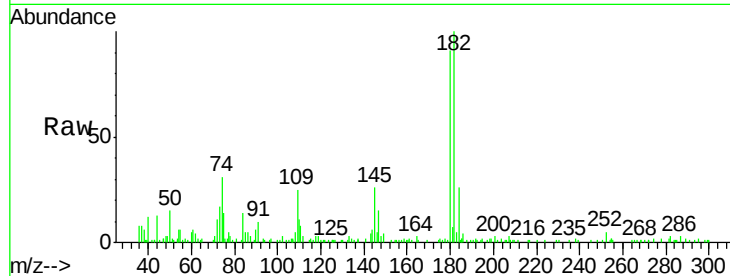




#67
 1,3,5-Trichlorobenzene
 Concen: 0.316 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. 0.00 min
 Lab File: VR026620.D
 Acq: 11 Sep 2019 14:15

Instrument :
 MSVOA_R
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.6	75.1	112.7
184	27.0	23.5	35.3
145	30.3	25.8	38.8

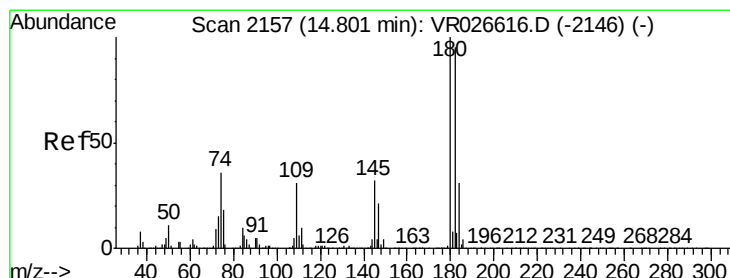
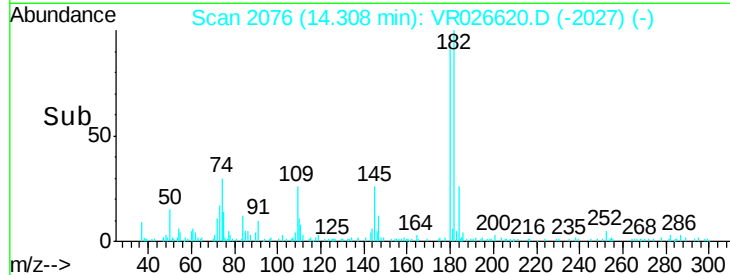
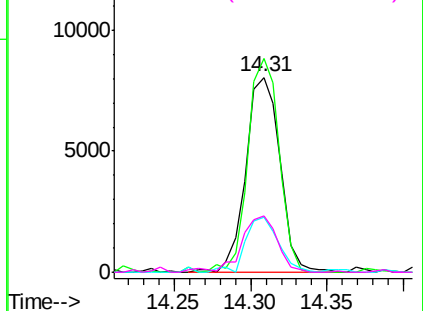


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

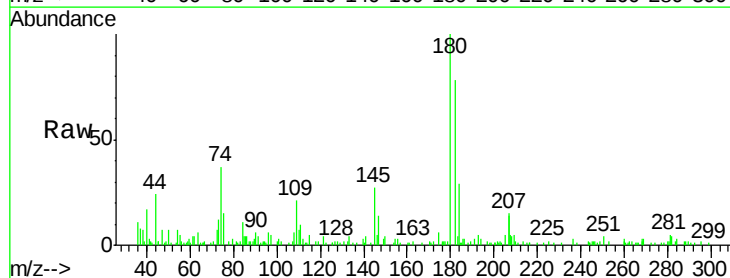
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.305 ug/L
 RT: 14.81 min Scan# 2158
 Delta R.T. 0.01 min
 Lab File: VR026620.D
 Acq: 11 Sep 2019 14:15

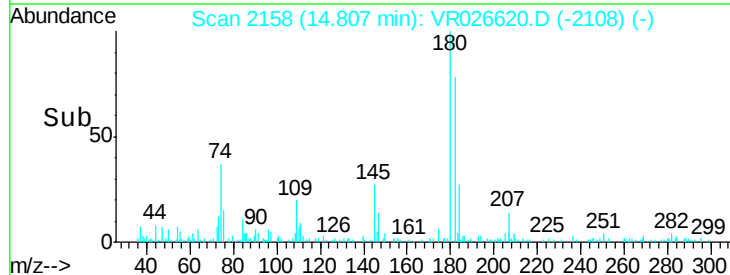
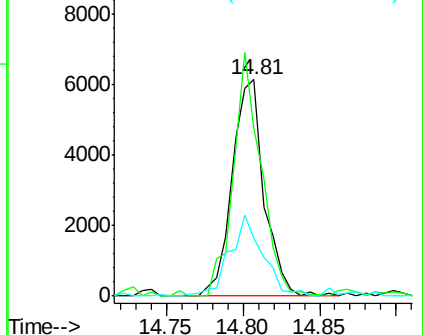
Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	77.7	116.5
145	38.9	26.0	39.0

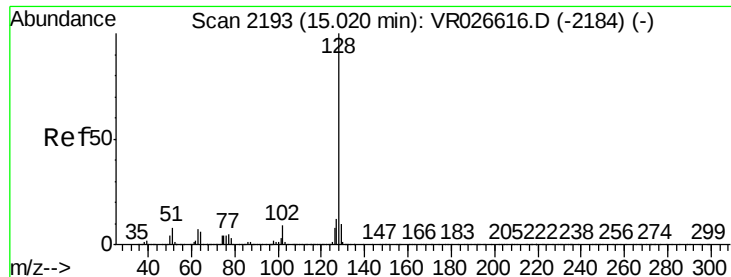


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.221 ug/L

RT: 15.02 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

Instrument :

MSVOA_R

ClientSampleId :

MDL03

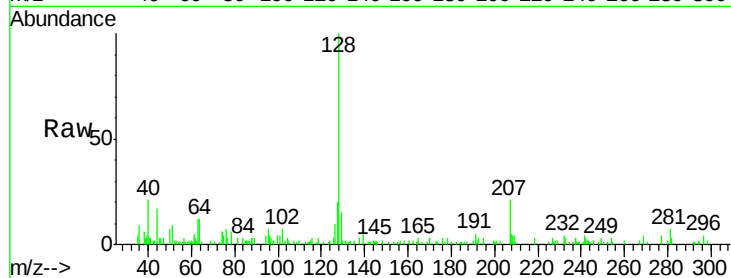
Tot Ion:128 Resp: 9014

Ion Ratio Lower Upper

128 100

127 15.1 11.4 17.2

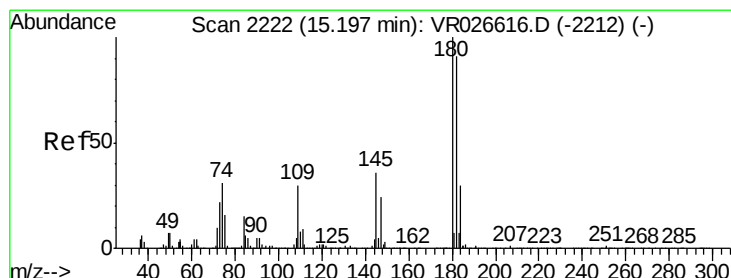
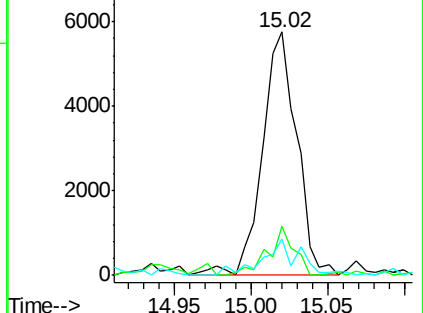
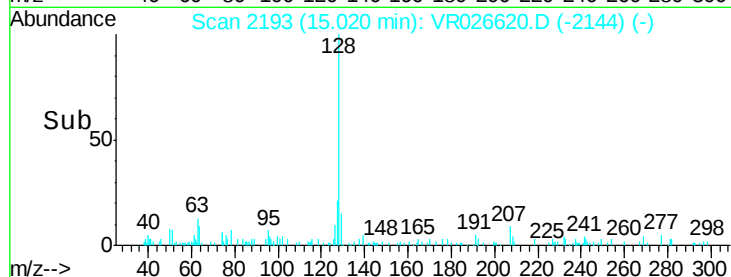
129 16.5 9.0 13.4#



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: 0.295 ug/L

RT: 15.20 min Scan# 2223

Delta R.T. 0.01 min

Lab File: VR026620.D

Acq: 11 Sep 2019 14:15

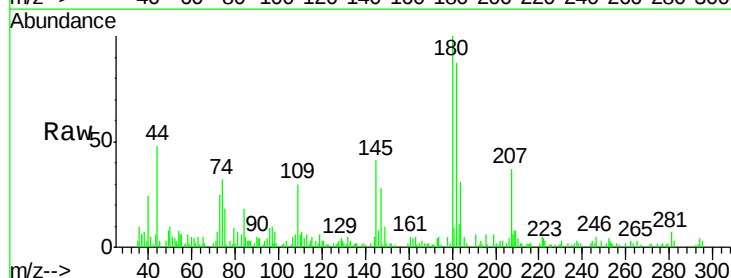
Tgt Ion:180 Resp: 7189

Ion Ratio Lower Upper

180 100

182 93.4 76.1 114.1

145 51.6 27.4 41.2#



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

