

Data File : VR026637.D
Acq On : 13 Sep 2019 17:53
Operator : SY/MD
Sample : MDL03
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL03

Quant Time: Sep 14 06:53:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Sep 14 06:49:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	337559	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	277635	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	120822	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.19	65	36781	3.97	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	2.65	69	38060	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	3.65	63	74981	2.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.40%#
20) 2-Butanone-d5	6.61	46	103128	51.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.54%
24) Chloroform-d	7.23	84	174793	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	7.91	65	61658	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	7.88	84	322240	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	8.92	67	90309	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	9.99	98	246048	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	10.26	79	18808	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	10.61	63	68584	54.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.02%
57) 1,1,2,2-Tetrachloroethane-	12.38	84	46913	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	13.53	152	73472	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.86	85	10001	0.262 ug/L	92
3) Chloromethane	2.05	50	2735	0.137 ug/L	88
5) Vinyl chloride	2.19	62	4252	0.213 ug/L	97
6) Bromomethane	2.54	94	2749	0.219 ug/L	100
8) Chloroethane	2.68	64	1875	0.163 ug/L	98
9) Trichlorofluoromethane	2.99	101	3409	0.099 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	5178	0.342 ug/L #	24
12) 1,1-Dichloroethene	3.66	96	5113	0.343 ug/L #	1
13) Acetone	3.73	43	5669	3.747 ug/L	91
14) Carbon disulfide	3.97	76	19892	0.312 ug/L #	94
15) Methyl Acetate	4.22	43	1823	0.287 ug/L #	78
16) Methylene chloride	4.42	84	4719	0.152 ug/L	77
17) Methyl tert-butyl Ether	4.92	73	3625	0.113 ug/L #	83
18) trans-1,2-Dichloroethene	4.92	96	9094	0.292 ug/L	89
19) 1,1-Dichloroethane	5.71	63	16133	0.276 ug/L	97
22) cis-1,2-Dichloroethene	6.69	96	8454	0.284 ug/L #	94
23) Bromochloromethane	7.08	128	3416	0.412 ug/L #	69

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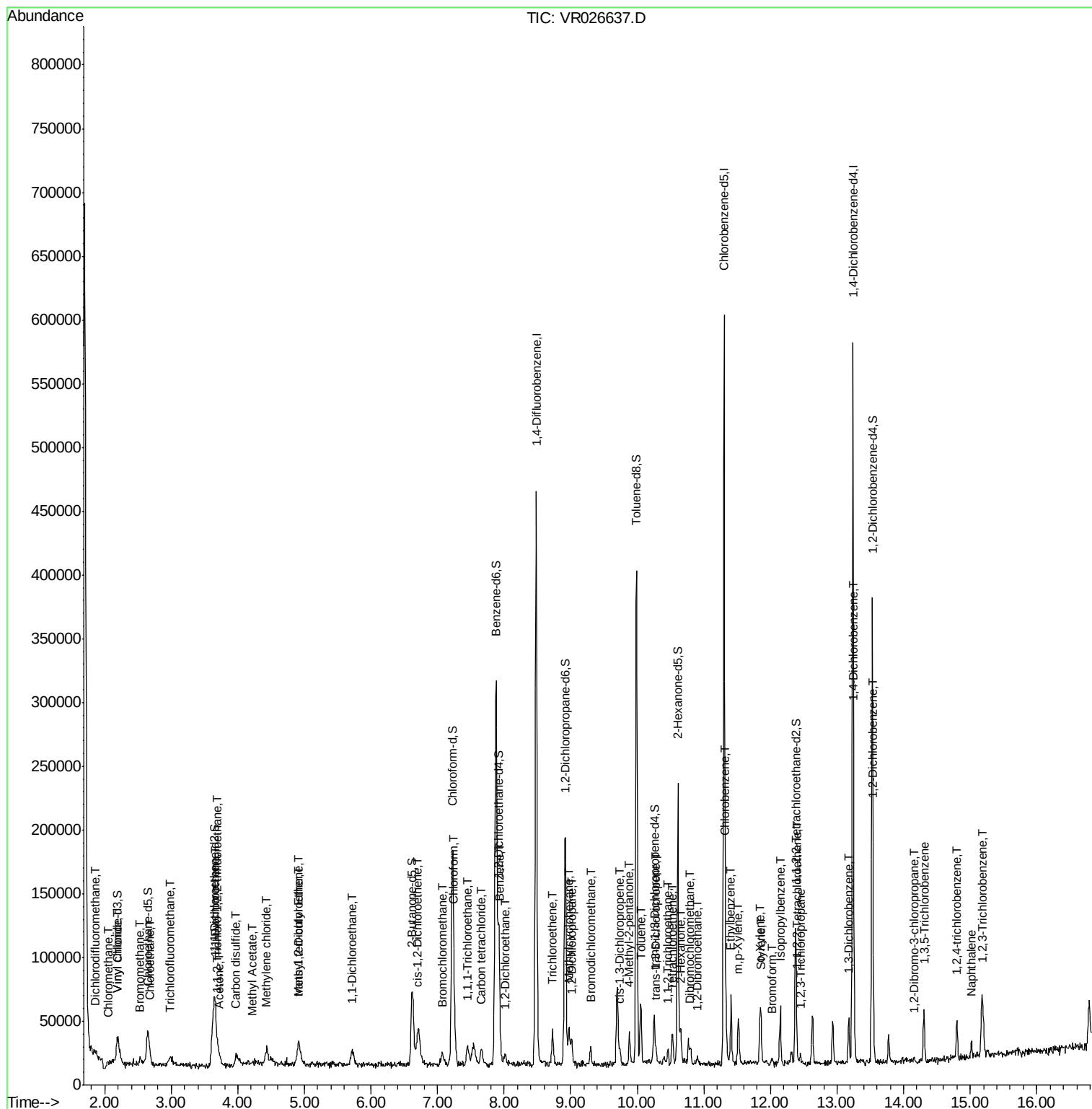
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.25	83	22925	0.410	ug/L	93
27) 1,2-Dichloroethane	8.02	62	6882	0.350	ug/L #	73
29) 1,1,1-Trichloroethane	7.46	97	11239	0.252	ug/L #	90
31) Carbon tetrachloride	7.66	117	9156	0.242	ug/L	85
33) Benzene	7.93	78	38096	0.309	ug/L	100
34) Trichloroethene	8.72	95	8877	0.289	ug/L	86
35) Methylcyclohexane	8.98	83	9432	0.204	ug/L	94
37) 1,2-Dichloropropane	9.02	63	7009	0.282	ug/L #	97
38) Bromodichloromethane	9.30	83	7514	0.284	ug/L #	92
39) cis-1,3-Dichloropropene	9.73	75	6344	0.241	ug/L	85
40) 4-Methyl-2-pentanone	9.88	43	13304	2.137	ug/L #	86
42) Toluene	10.05	91	33325	0.310	ug/L	94
44) trans-1,3-Dichloropropene	10.28	75	4778	0.282	ug/L #	49
45) 1,1,2-Trichloroethane	10.46	97	3707	0.350	ug/L #	77
47) Tetrachloroethene	10.53	164	5028	0.278	ug/L	87
48) 2-Hexanone	10.65	43	10830	2.736	ug/L #	93
49) Dibromochloromethane	10.80	129	3708	0.321	ug/L	93
50) 1,2-Dibromoethane	10.91	107	2730	0.297	ug/L #	86
51) Chlorobenzene	11.33	112	20162	0.323	ug/L #	85
52) Ethylbenzene	11.41	91	27773	0.228	ug/L	98
53) m,p-Xylene	11.51	106	10038	0.230	ug/L	94
54) o-Xylene	11.84	106	9005	0.209	ug/L	92
55) Styrene	11.86	104	12434	0.201	ug/L	97
56) Isopropylbenzene	12.15	105	23388	0.192	ug/L #	94
58) 1,1,2,2-Tetrachloroethane	12.40	83	4021	0.328	ug/L #	92
59) 1,2,3-Trichloropropane	12.45	75	2809	0.312	ug/L #	79
61) Bromoform	12.03	173	1353	0.287	ug/L #	96
62) 1,3-Dichlorobenzene	13.18	146	11876	0.276	ug/L	96
63) 1,4-Dichlorobenzene	13.26	146	12857	0.301	ug/L #	83
65) 1,2-Dichlorobenzene	13.55	146	11591	0.318	ug/L #	83
66) 1,2-Dibromo-3-chloropropan	14.17	75	595	0.328	ug/L #	39
67) 1,3,5-Trichlorobenzene	14.31	180	10060	0.289	ug/L	94
68) 1,2,4-trichlorobenzene	14.80	180	7418	0.302	ug/L	90
69) Naphthalene	15.02	128	7153	0.219	ug/L	96
70) 1,2,3-Trichlorobenzene	15.20	180	6980	0.321	ug/L	97

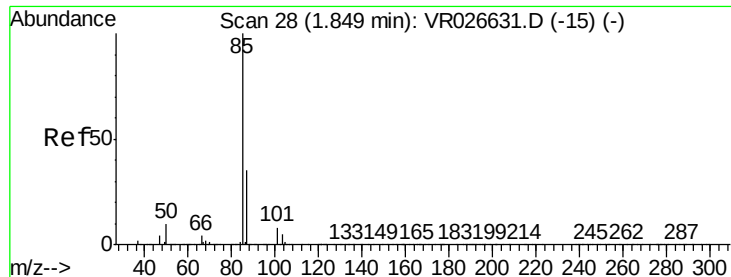
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.262 ug/L

RT: 1.86 min Scan# 29

Delta R.T. 0.01 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampleId :

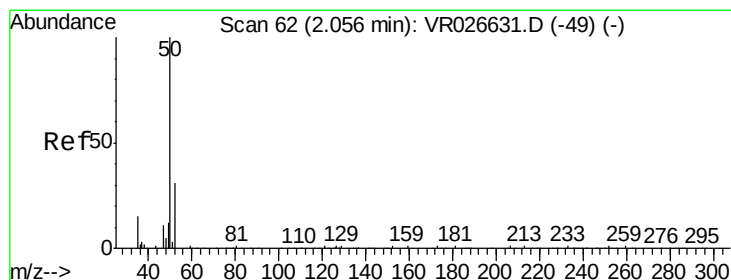
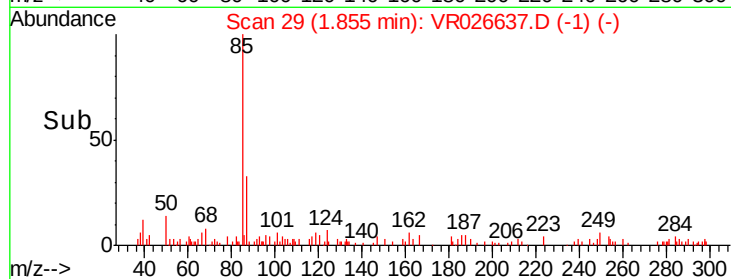
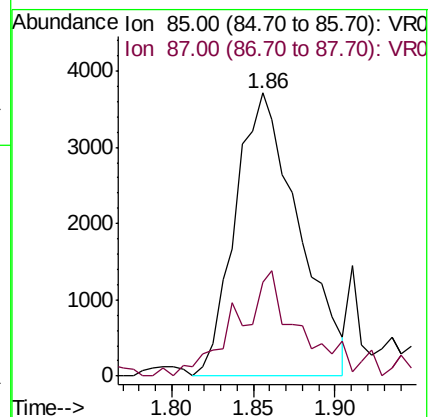
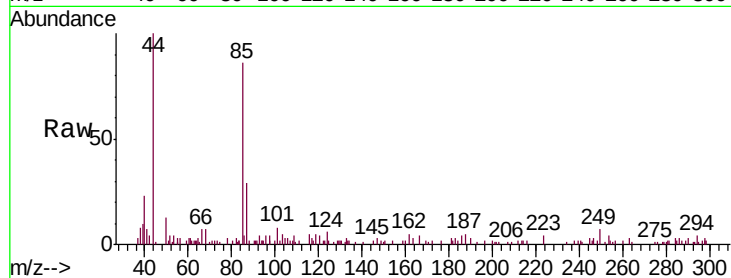
MDL03

Tgt Ion: 85 Resp: 10001

Ion Ratio Lower Upper

85 100

87 36.7 26.0 39.0



#3

Chloromethane

Concen: 0.137 ug/L

RT: 2.05 min Scan# 61

Delta R.T. -0.01 min

Lab File: VR026637.D

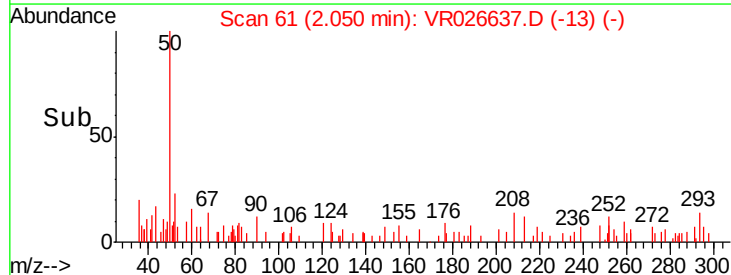
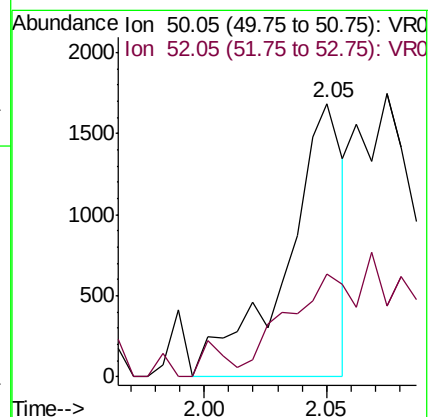
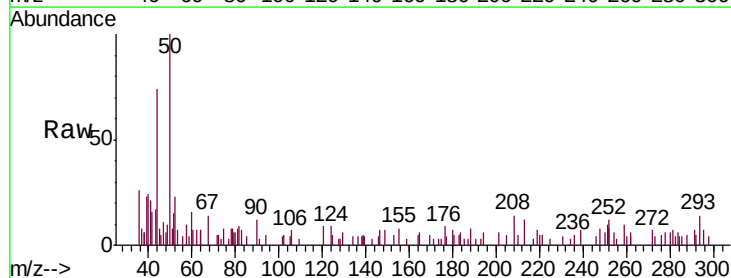
Acq: 13 Sep 2019 17:53

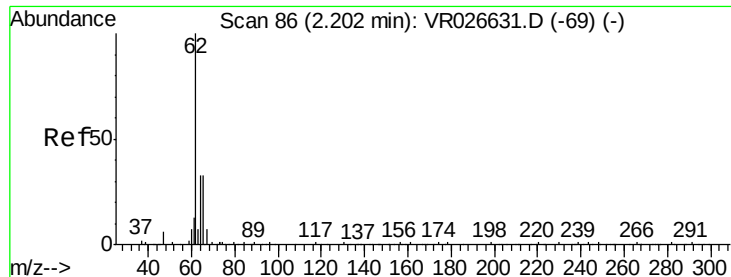
Tgt Ion: 50 Resp: 2735

Ion Ratio Lower Upper

50 100

52 37.5 21.7 40.3





#5

Vinyl chloride

Concen: 0.213 ug/L

RT: 2.19 min Scan# 84

Delta R.T. -0.01 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampleId :

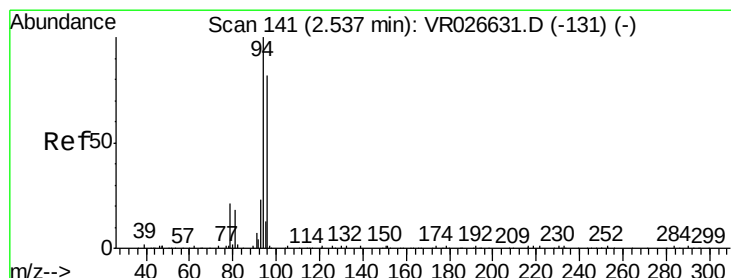
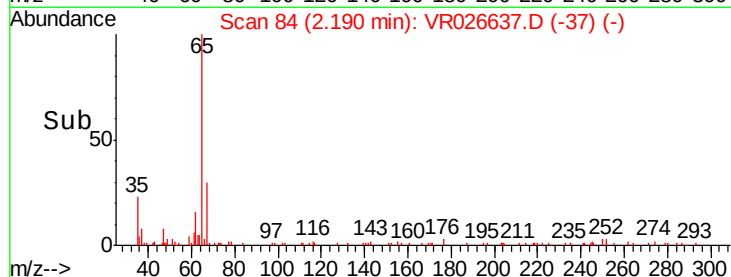
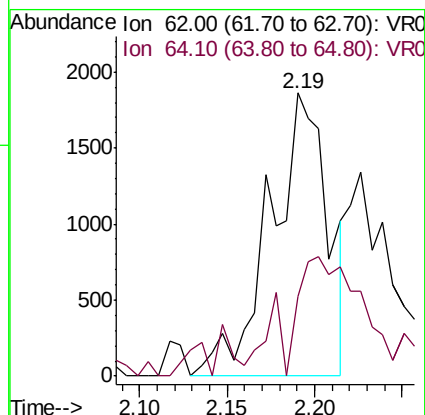
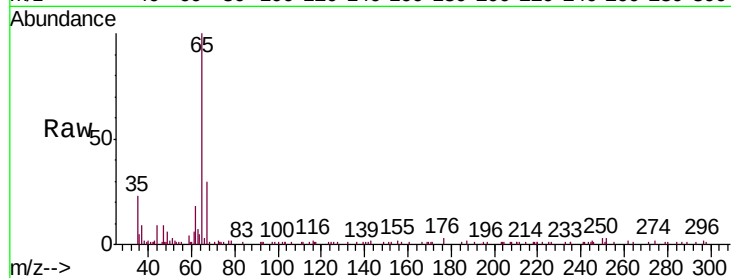
MDL03

Tgt Ion: 62 Resp: 4252

Ion Ratio Lower Upper

62 100

64 28.4 21.2 39.4



#6

Bromomethane

Concen: 0.219 ug/L

RT: 2.54 min Scan# 141

Delta R.T. 0.00 min

Lab File: VR026637.D

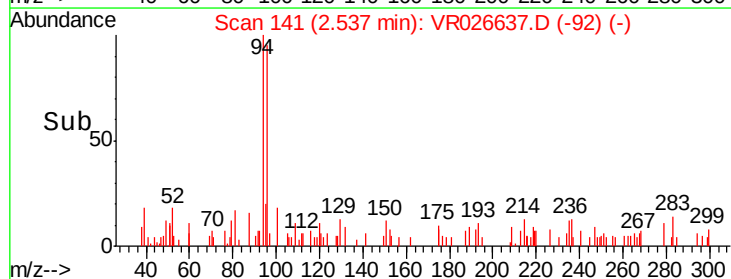
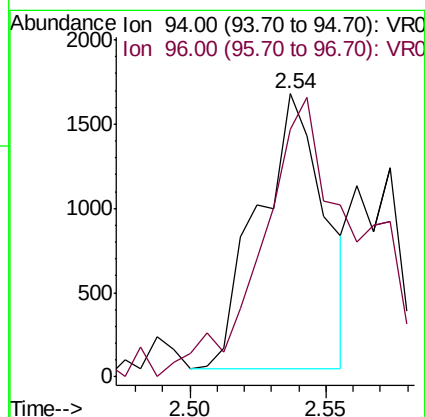
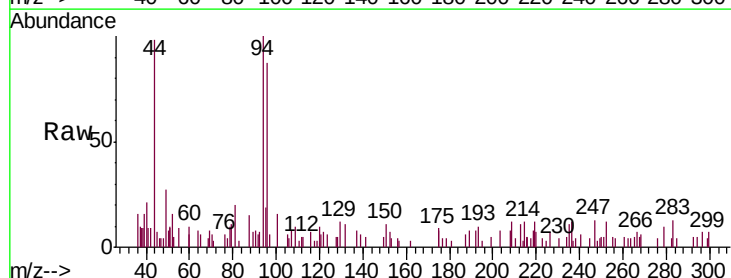
Acq: 13 Sep 2019 17:53

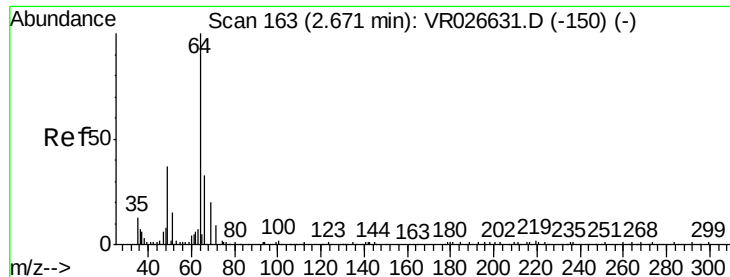
Tgt Ion: 94 Resp: 2749

Ion Ratio Lower Upper

94 100

96 87.4 61.0 113.4





#8

Chloroethane

Concen: 0.163 ug/L

RT: 2.68 min Scan# 164

Delta R.T. 0.01 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampled :

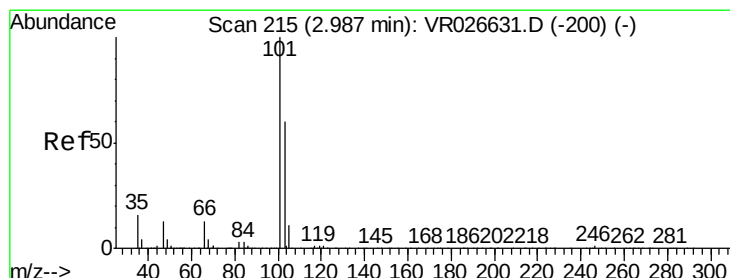
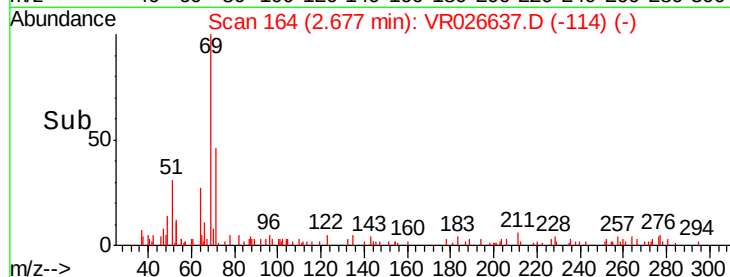
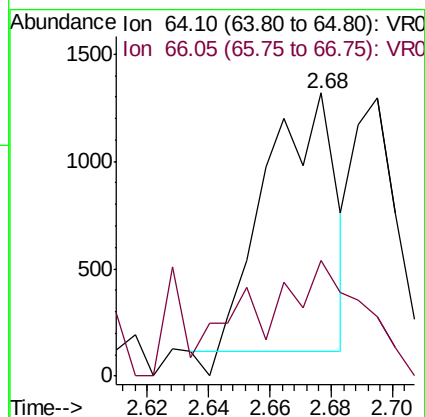
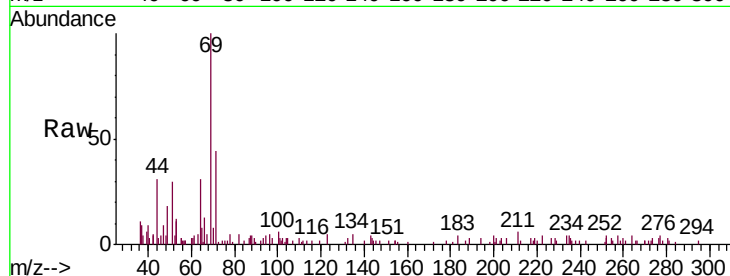
MDL03

Tgt Ion: 64 Resp: 1875

Ion Ratio Lower Upper

64 100

66 32.8 22.3 41.3



#9

Trichlorofluoromethane

Concen: 0.099 ug/L

RT: 2.99 min Scan# 215

Delta R.T. 0.00 min

Lab File: VR026637.D

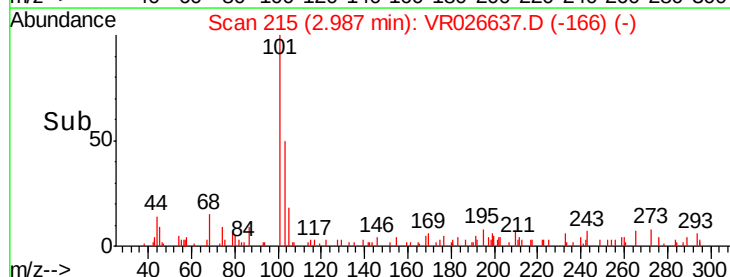
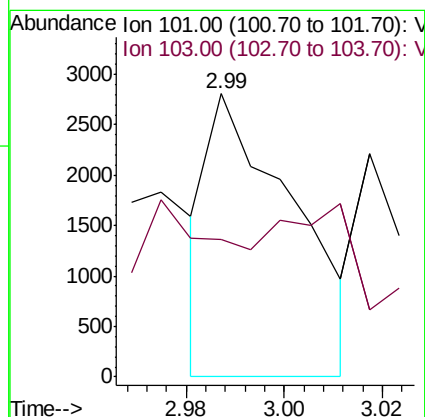
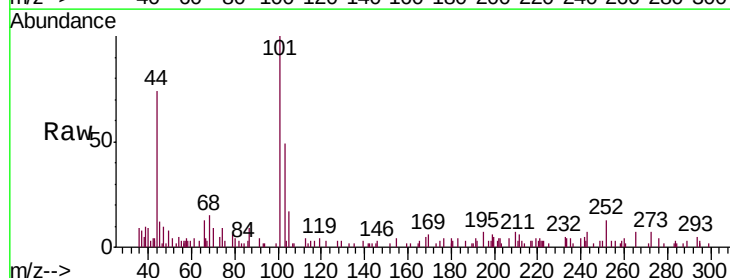
Acq: 13 Sep 2019 17:53

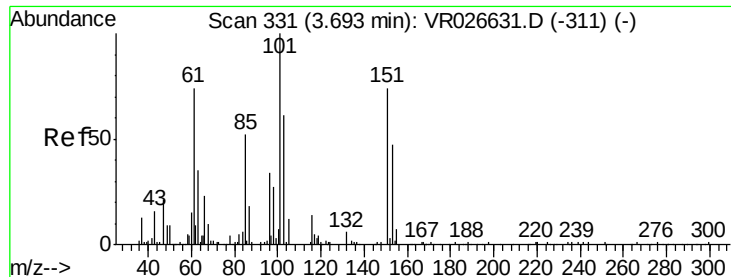
Tgt Ion: 101 Resp: 3409

Ion Ratio Lower Upper

101 100

103 70.3 50.9 76.3





#10

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

Concen: 0.342 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.00 min

Lab File: VR026637.D

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Instrument :

MSVOA_R

ClientSampleId :

MDL03

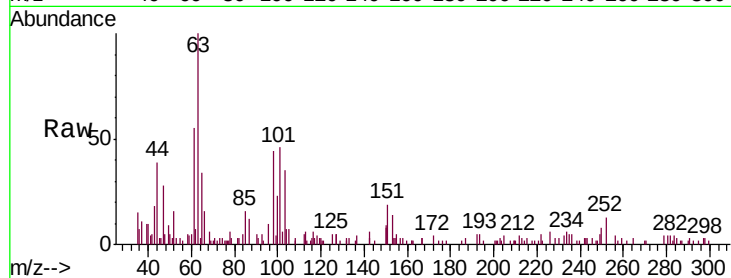
Tgt Ion: 101 Resp: 5178

Ion Ratio Lower Upper

101 100

85 0.0 39.7 59.5#

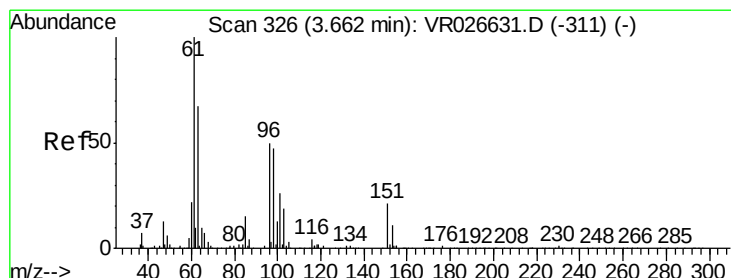
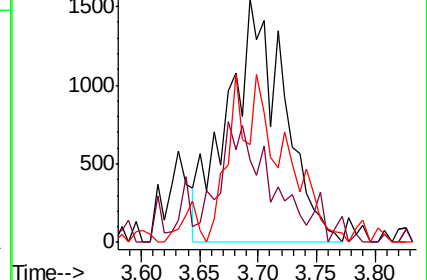
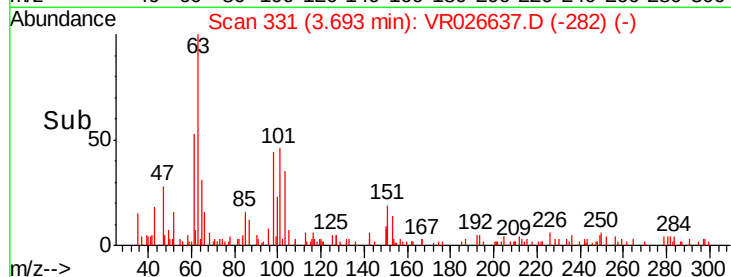
151 7.8 58.4 87.6#



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: 0.343 ug/L

RT: 3.66 min Scan# 326

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

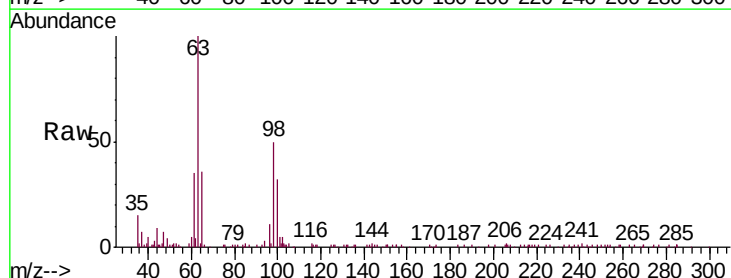
Tgt Ion: 96 Resp: 5113

Ion Ratio Lower Upper

96 100

61 319.4 143.3 266.1#

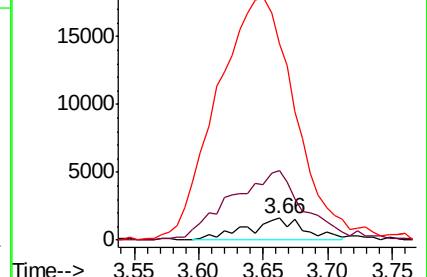
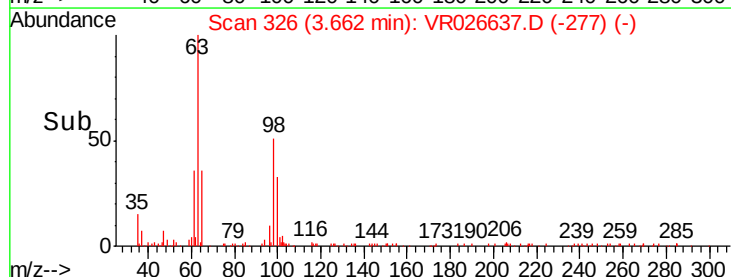
63 908.0 112.6 209.0#

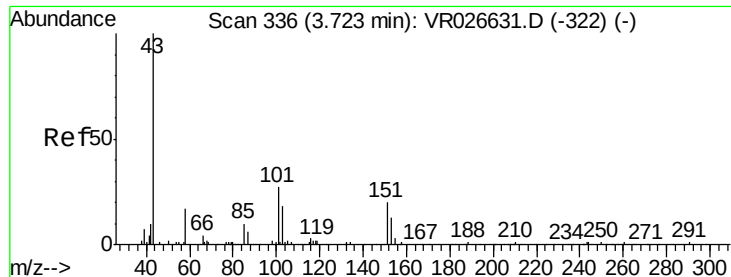


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 3.747 ug/L

RT: 3.73 min Scan# 337

Delta R.T. 0.01 min

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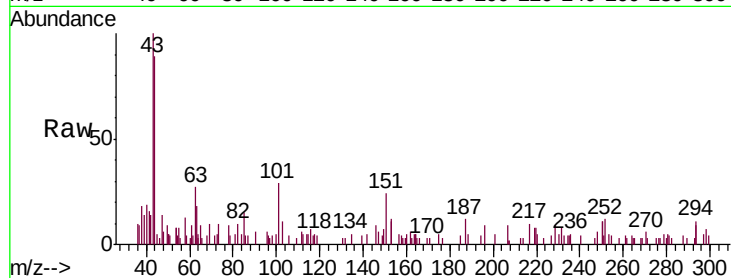
MDL03

Tgt Ion: 43 Resp: 5669

Ion Ratio Lower Upper

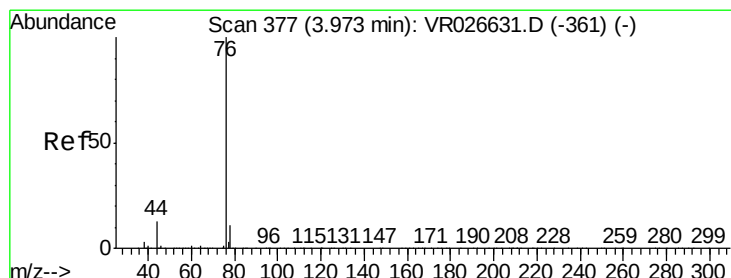
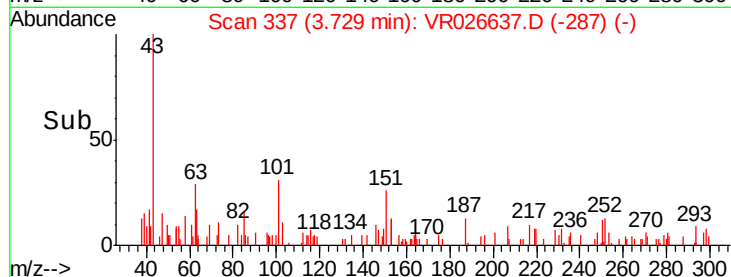
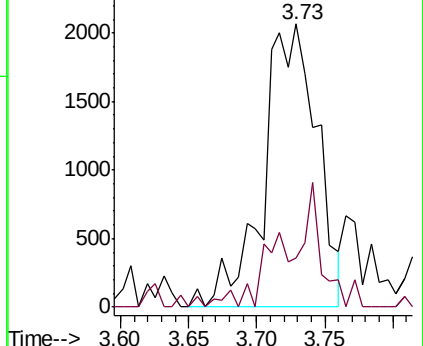
43 100

58 16.5 0.0 41.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 0.312 ug/L

RT: 3.97 min Scan# 376

Delta R.T. -0.01 min

Lab File: VR026637.D

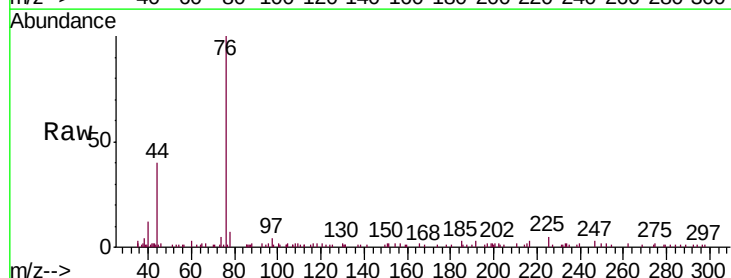
Acq: 13 Sep 2019 17:53

Tgt Ion: 76 Resp: 19892

Ion Ratio Lower Upper

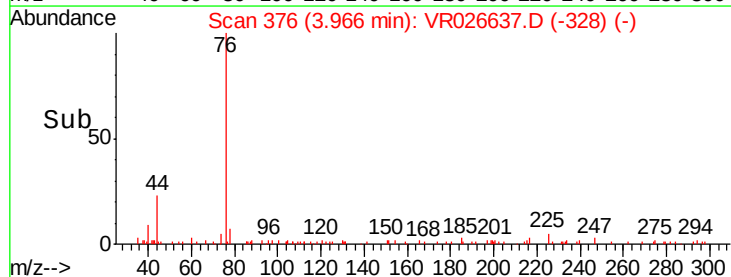
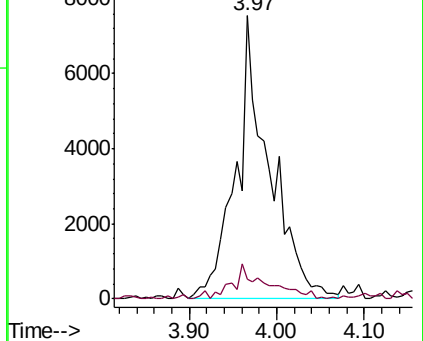
76 100

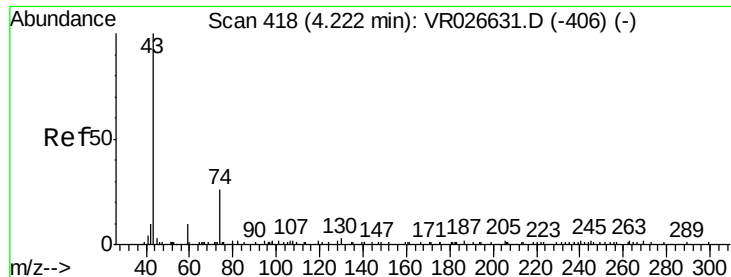
78 6.8 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

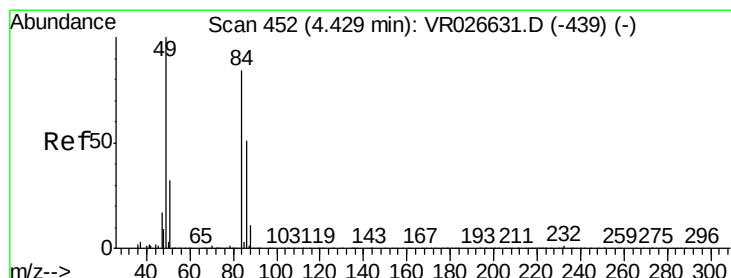
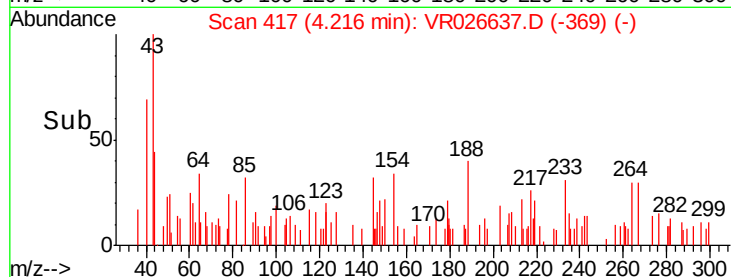
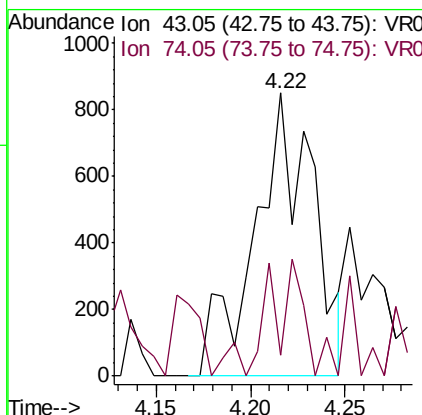
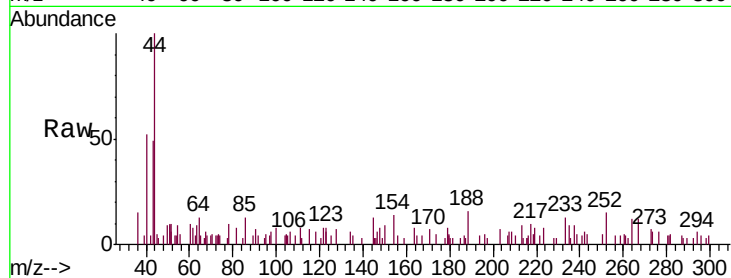




#15
Methyl Acetate
Concen: 0.287 ug/L
RT: 4.22 min Scan# 417
Delta R.T. -0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

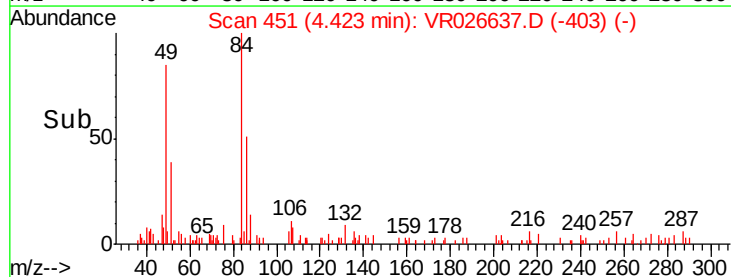
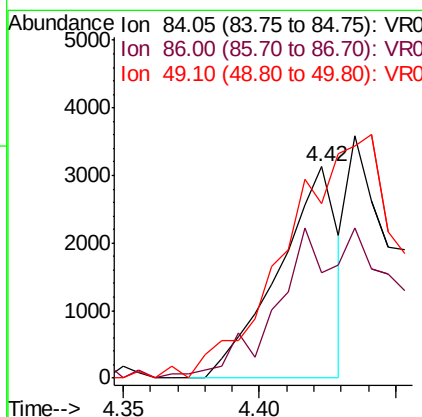
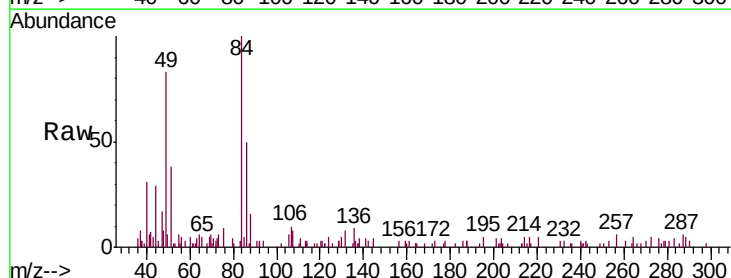
Instrument :
MSVOA_R
ClientSampleID :
MDL03

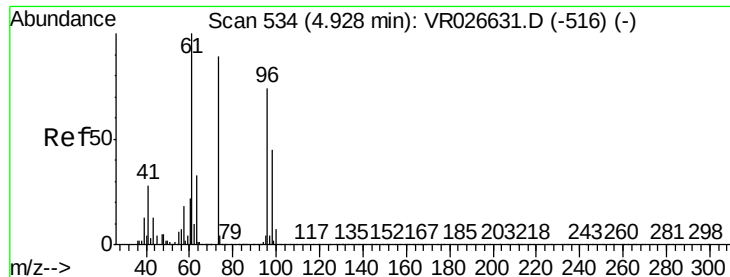
Tgt Ion: 43 Resp: 1823
Ion Ratio Lower Upper
43 100
74 11.6 17.5 26.3#



#16
Methylene chloride
Concen: 0.152 ug/L
RT: 4.42 min Scan# 451
Delta R.T. -0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Tgt Ion: 84 Resp: 4719
Ion Ratio Lower Upper
84 100
86 49.8 44.2 82.0
49 88.8 82.3 152.9





#17

Methyl tert-butyl Ether

Concen: 0.113 ug/L

RT: 4.92 min Scan# 532

Delta R.T. -0.01 min

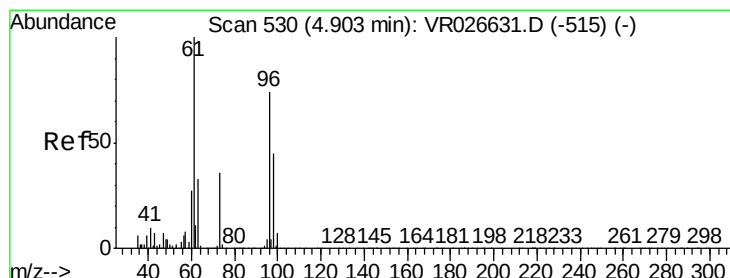
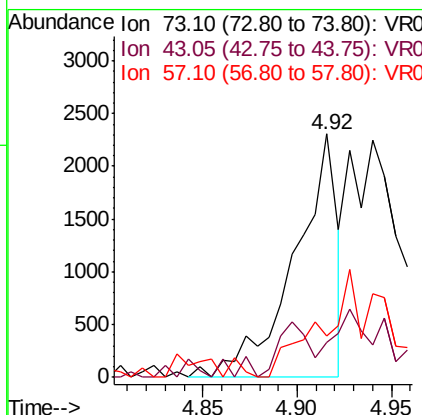
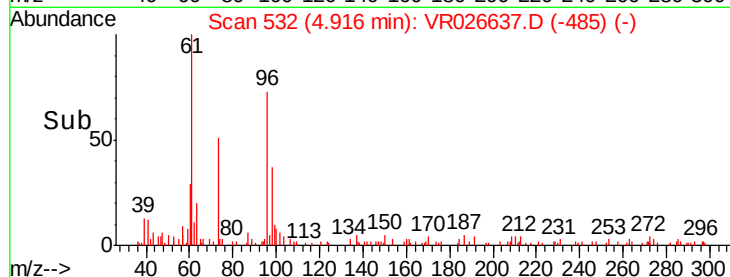
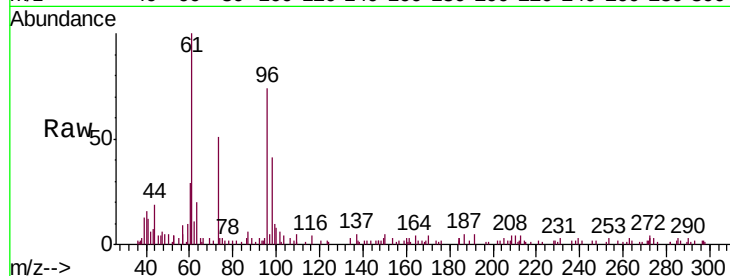
Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :
MSVOA_R
ClientSampled :
MDL03

Tgt Ion: 73 Resp: 3625

Ion	Ratio	Lower	Upper
73	100		
43	17.7	14.7	22.1
57	37.9	18.9	28.3#



#18

trans-1,2-Dichloroethene

Concen: 0.292 ug/L

RT: 4.92 min Scan# 532

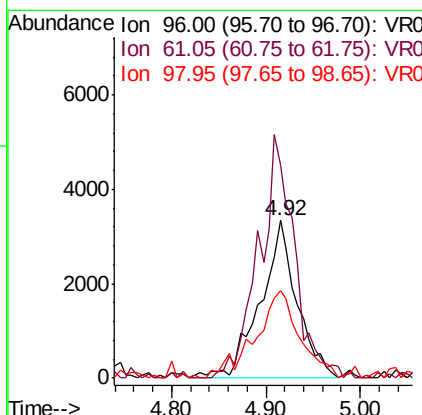
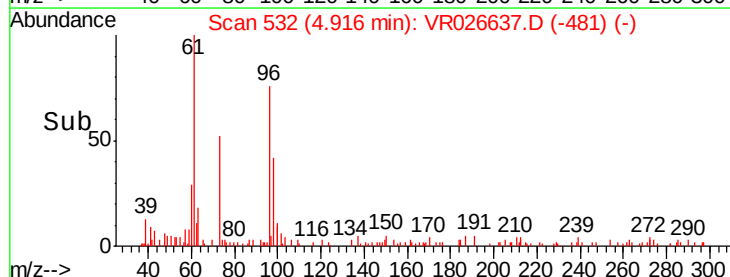
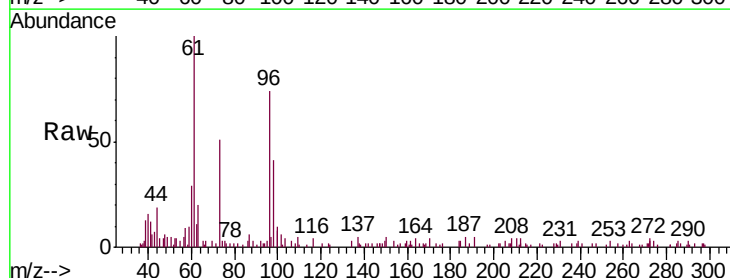
Delta R.T. 0.01 min

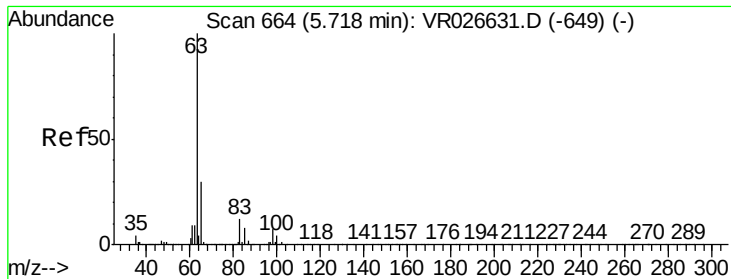
Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Tgt Ion: 96 Resp: 9094

Ion	Ratio	Lower	Upper
96	100		
61	135.1	104.4	194.0
98	55.2	44.2	82.0

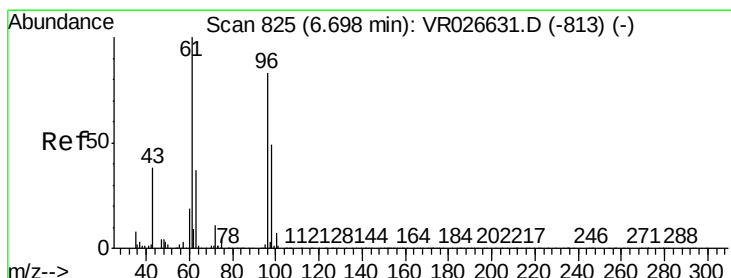
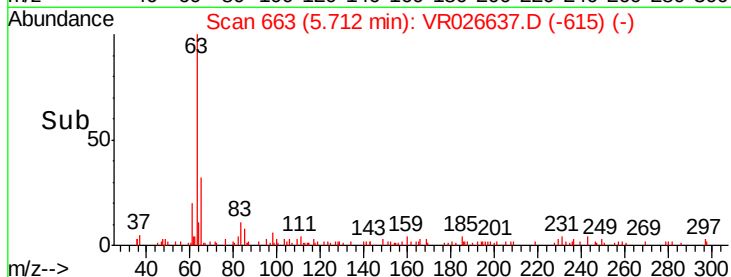
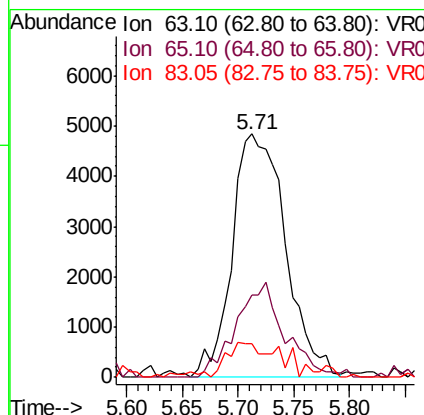
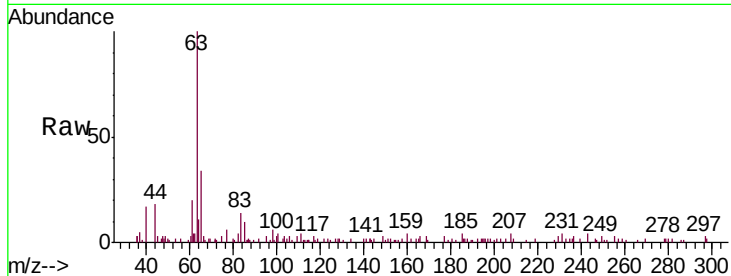




#19
 1,1-Dichloroethane
 Concen: 0.276 ug/L
 RT: 5.71 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

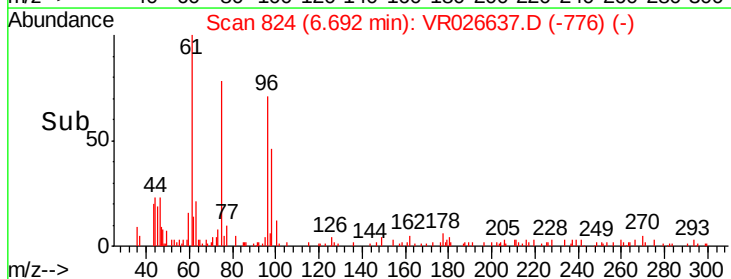
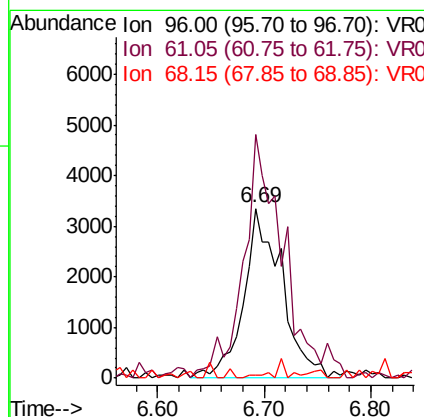
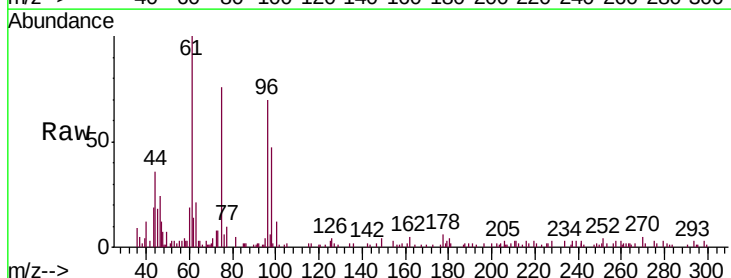
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL03

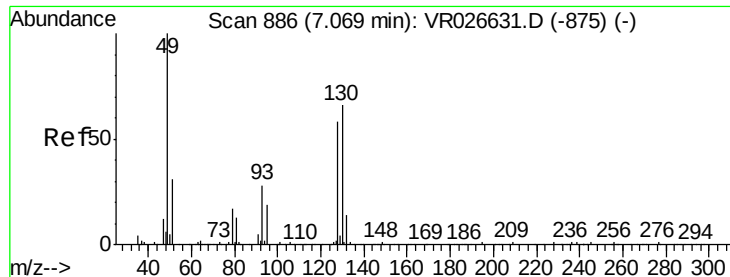
Tgt Ion:	63	Resp:	16133
Ion	Ratio	Lower	Upper
63	100		
65	33.8	22.5	41.9
83	13.8	8.6	16.0



#22
 cis-1,2-Dichloroethene
 Concen: 0.284 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Tgt Ion:	96	Resp:	8454
Ion	Ratio	Lower	Upper
96	100		
61	143.7	95.4	177.2
68	1.8	0.0	0.0#





#23

Bromochloromethane

Concen: 0.412 ug/L

RT: 7.08 min Scan# 887

Delta R.T. 0.01 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampleId :

MDL03

Tgt Ion:128 Resp: 3416

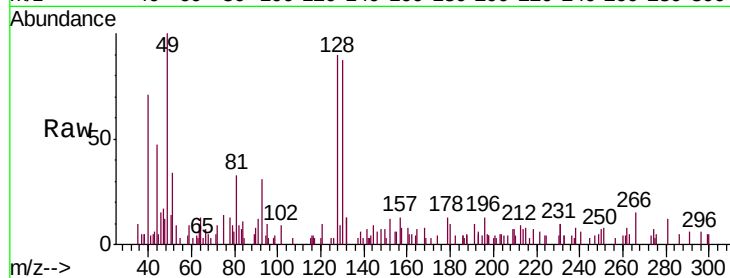
Ion Ratio Lower Upper

128 100

49 111.1 118.6 220.3#

130 96.1 80.6 149.6

51 37.4 41.5 62.3#

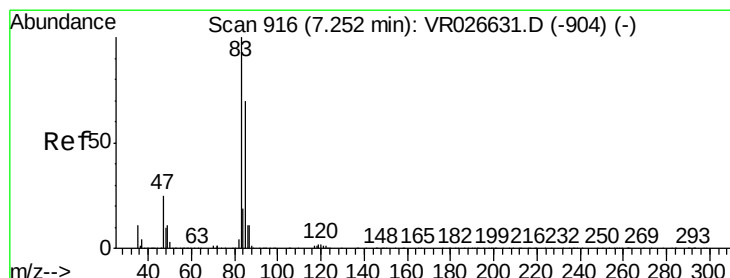
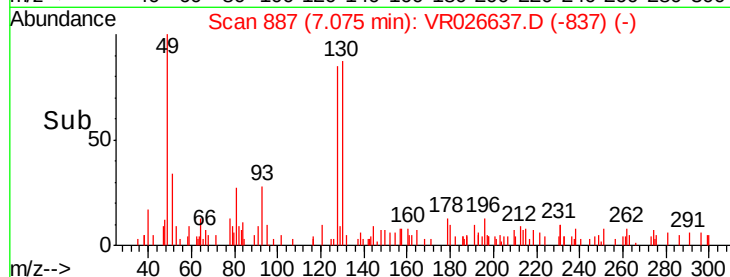
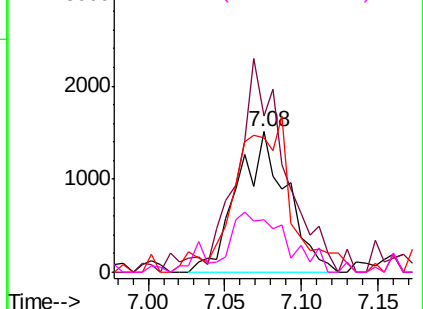


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VR0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VR0



#25

Chloroform

Concen: 0.410 ug/L

RT: 7.25 min Scan# 916

Delta R.T. 0.00 min

Lab File: VR026637.D

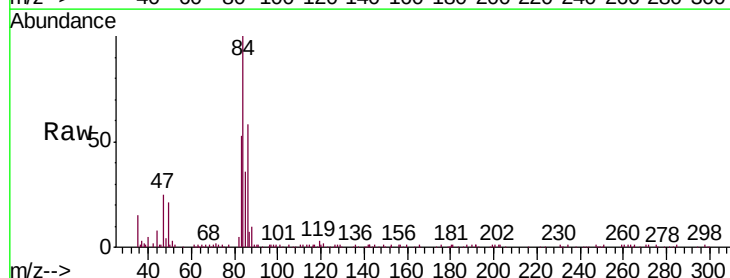
Acq: 13 Sep 2019 17:53

Tgt Ion: 83 Resp: 22925

Ion Ratio Lower Upper

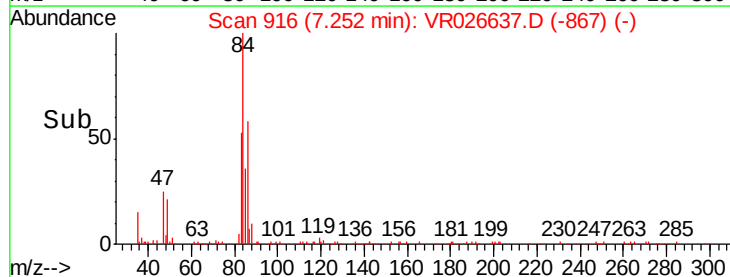
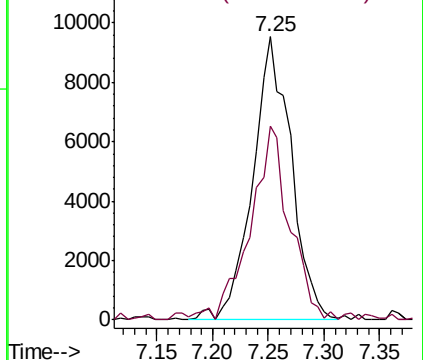
83 100

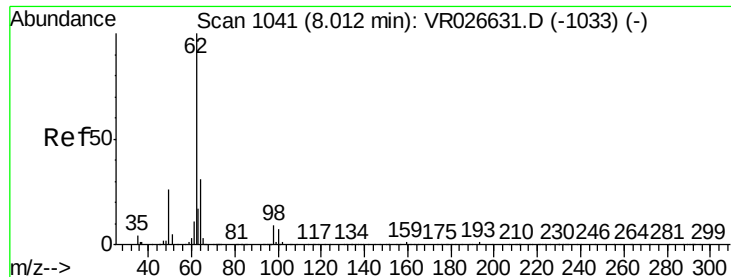
85 68.4 44.3 82.3



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

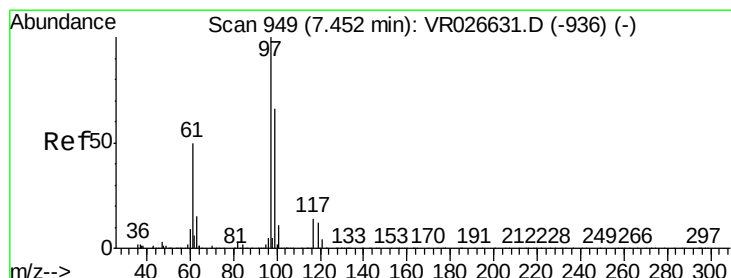
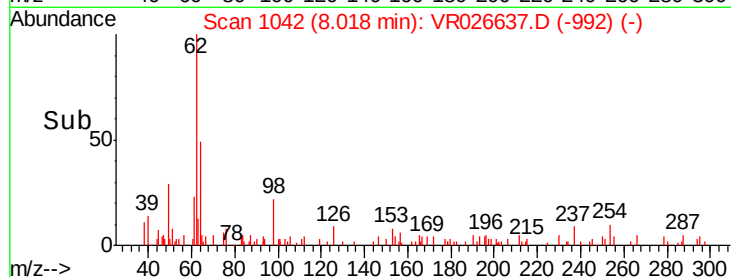
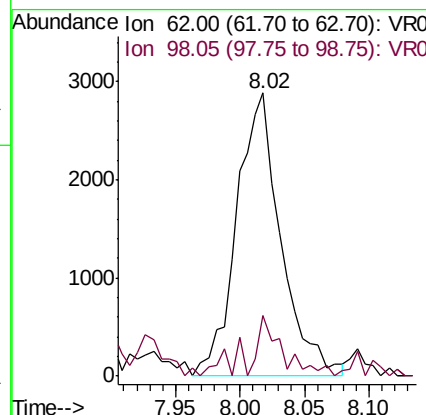
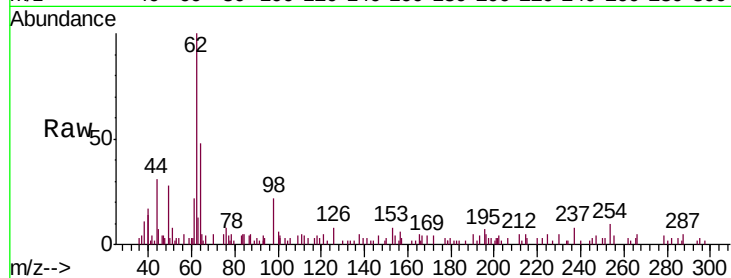




#27
 1,2-Dichloroethane
 Concen: 0.350 ug/L
 RT: 8.02 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

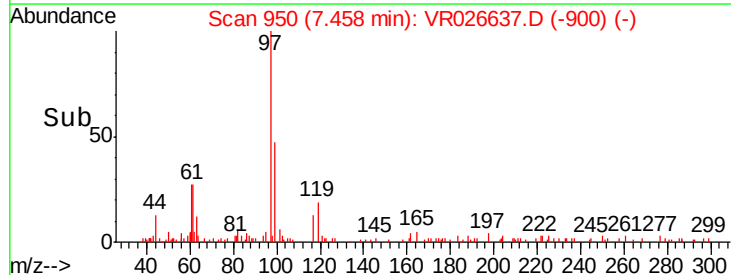
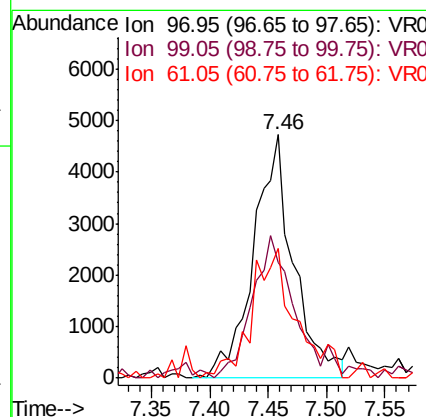
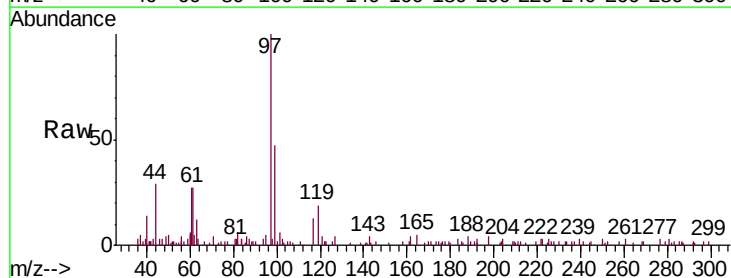
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL03

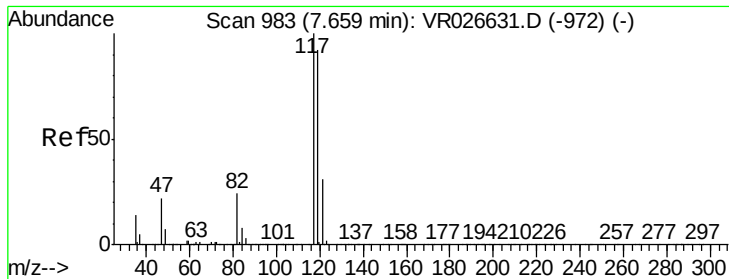
Tgt Ion: 62 Resp: 6882
 Ion Ratio Lower Upper
 62 100
 98 21.6 9.0 13.4#



#29
 1,1,1-Trichloroethane
 Concen: 0.252 ug/L
 RT: 7.46 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Tgt Ion: 97 Resp: 11239
 Ion Ratio Lower Upper
 97 100
 99 58.8 50.1 75.1
 61 59.0 37.8 56.8#





#31

Carbon tetrachloride

Concen: 0.242 ug/L

RT: 7.66 min Scan# 983

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampled :

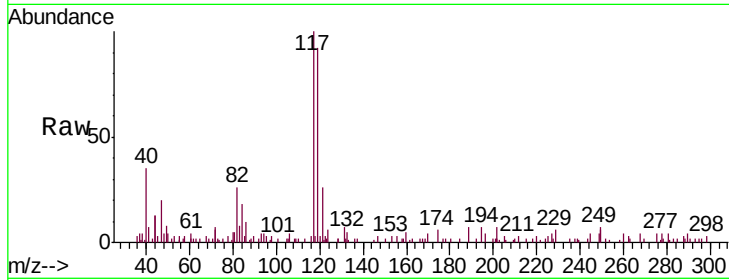
MDL03

Tgt Ion:117 Resp: 9156

Ion Ratio Lower Upper

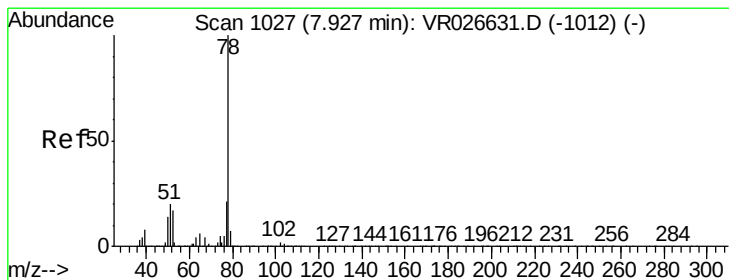
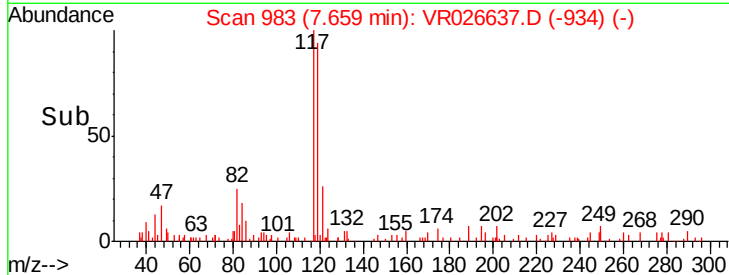
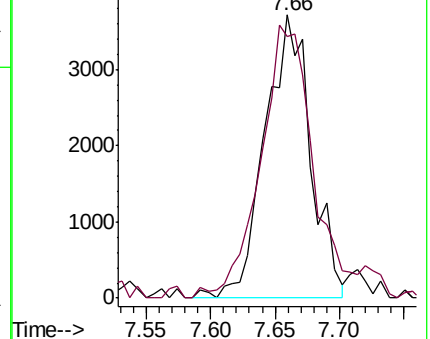
117 100

119 110.5 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.309 ug/L

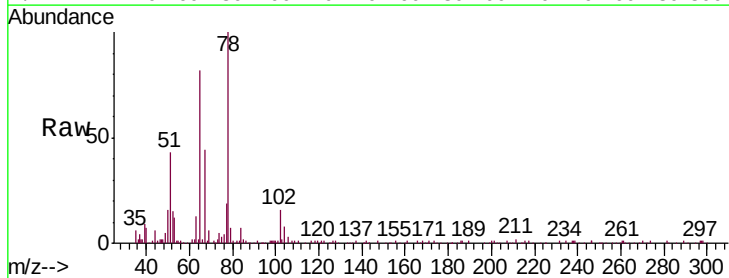
RT: 7.93 min Scan# 1028

Delta R.T. 0.01 min

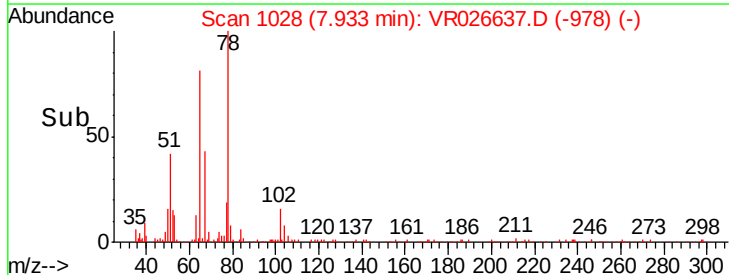
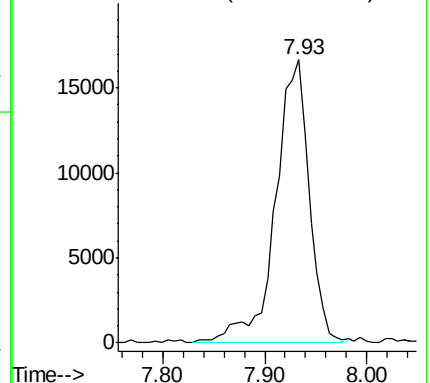
Lab File: VR026637.D

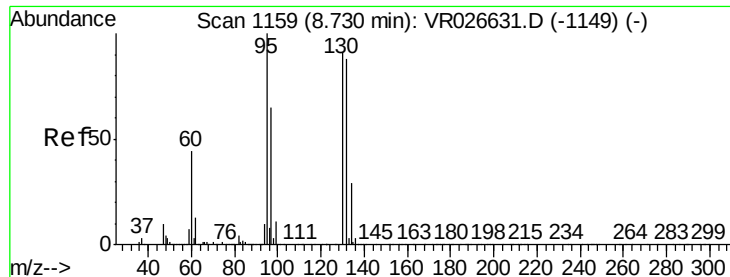
Acq: 13 Sep 2019 17:53

Tgt Ion: 78 Resp: 38096



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 0.289 ug/L

RT: 8.72 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampleId :

MDL03

Tgt Ion: 95 Resp: 8877

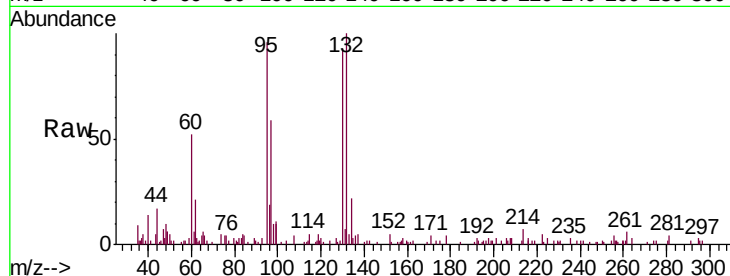
Ion Ratio Lower Upper

95 100

97 62.0 45.6 84.6

132 104.3 57.3 106.5

130 97.1 60.1 111.5

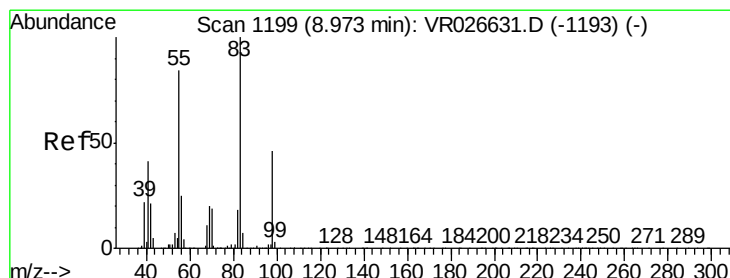
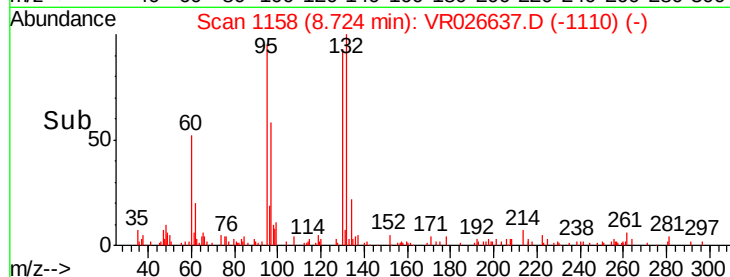
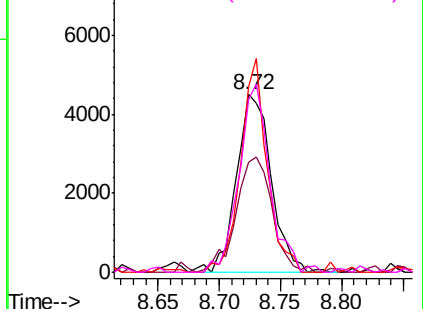


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.204 ug/L

RT: 8.98 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

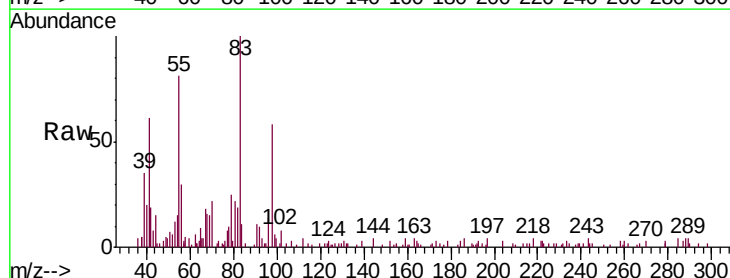
Tgt Ion: 83 Resp: 9432

Ion Ratio Lower Upper

83 100

55 86.2 63.5 95.3

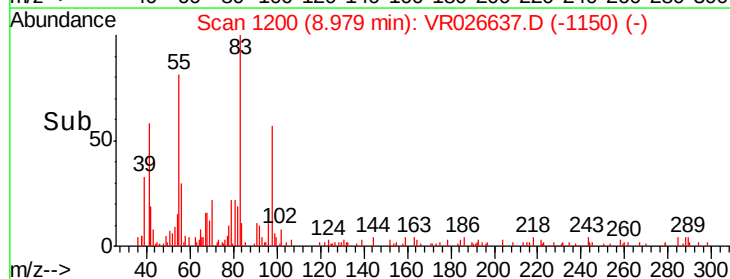
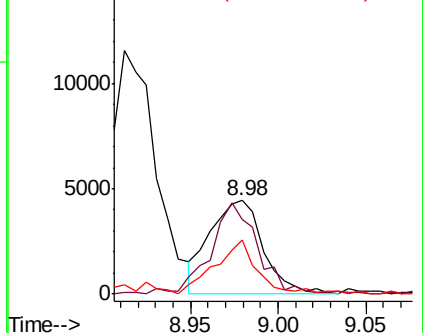
98 46.5 35.4 53.0

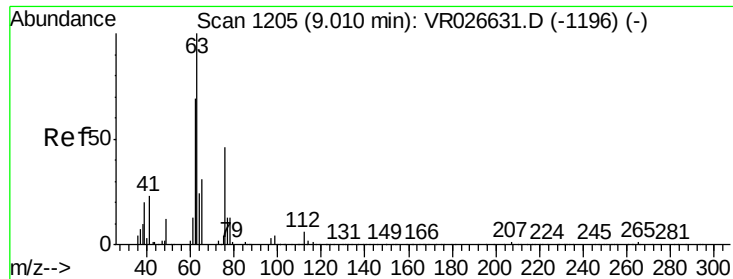


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

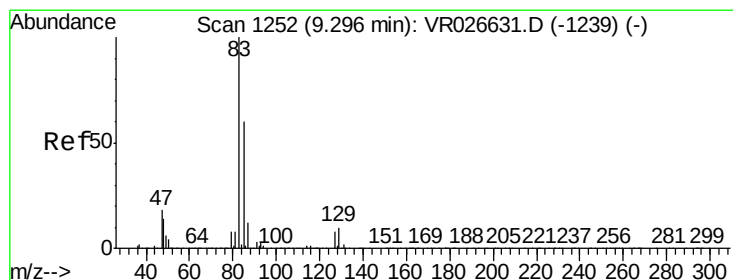
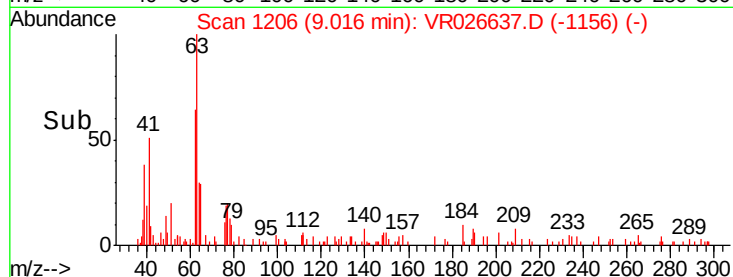
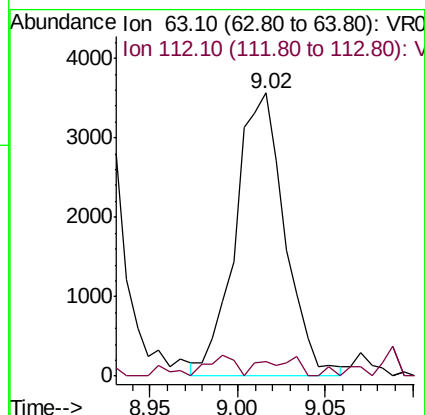
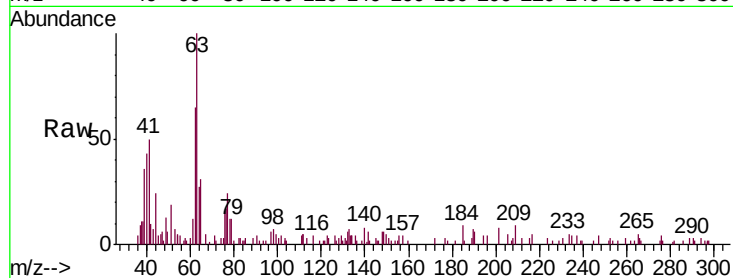




#37
 1,2-Dichloropropane
 Concen: 0.282 ug/L
 RT: 9.02 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

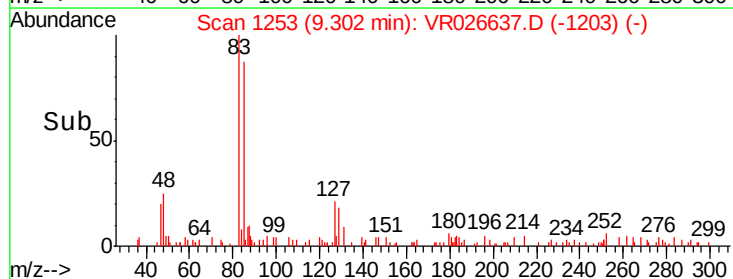
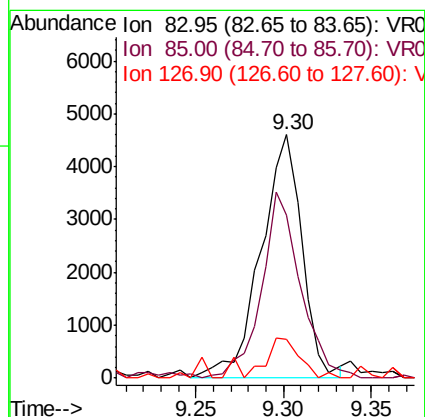
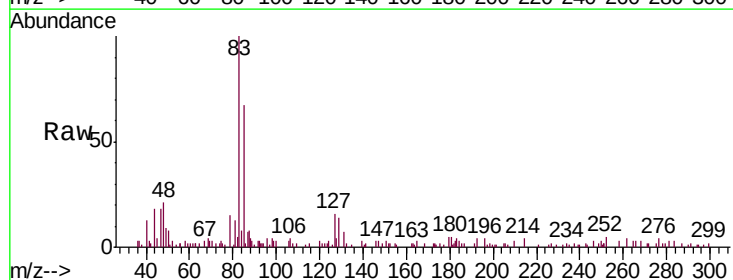
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL03

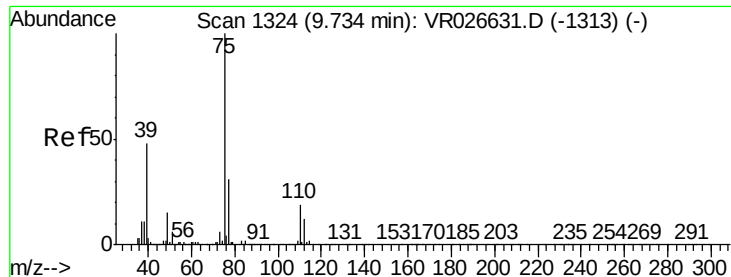
Tgt Ion: 63 Resp: 7009
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.1 4.7#



#38
 Bromodichloromethane
 Concen: 0.284 ug/L
 RT: 9.30 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Tgt Ion: 83 Resp: 7514
 Ion Ratio Lower Upper
 83 100
 85 66.9 44.0 81.8
 127 20.1 6.4 9.6#





#39

cis-1,3-Dichloropropene

Concen: 0.241 ug/L

RT: 9.73 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampleId :

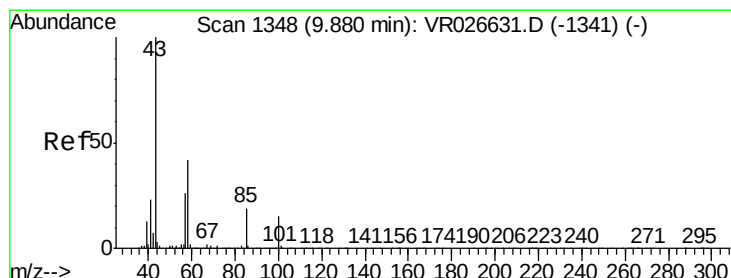
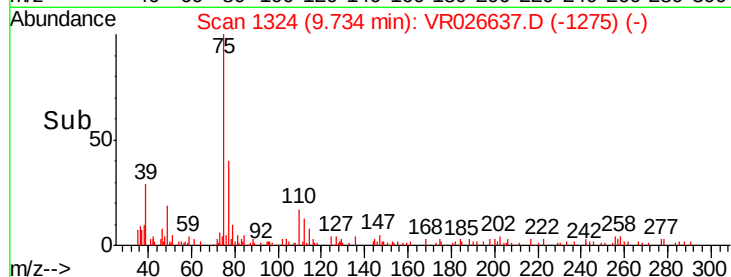
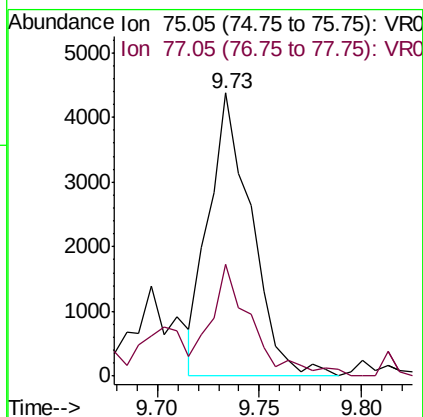
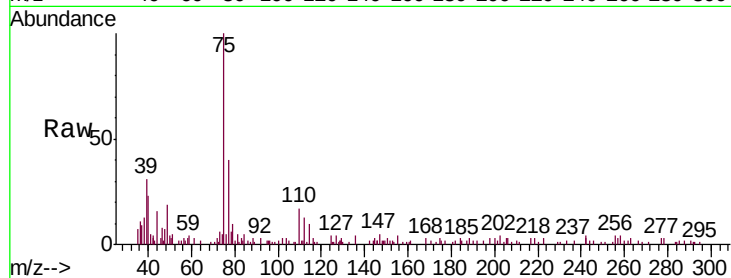
MDL03

Tgt Ion: 75 Resp: 6344

Ion Ratio Lower Upper

75 100

77 39.5 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 2.137 ug/L

RT: 9.88 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

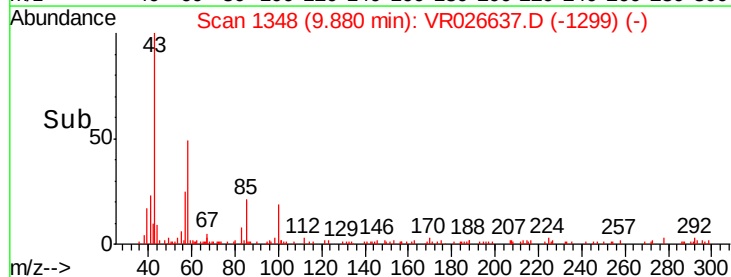
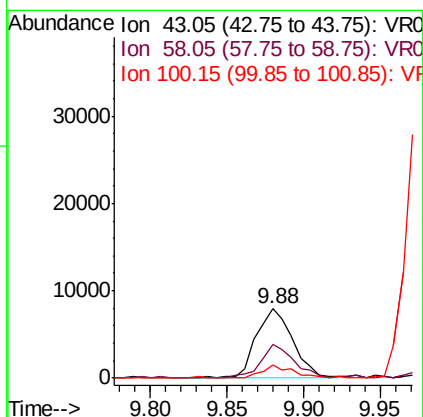
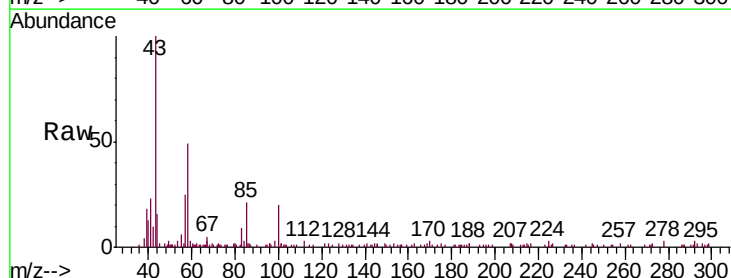
Tgt Ion: 43 Resp: 13304

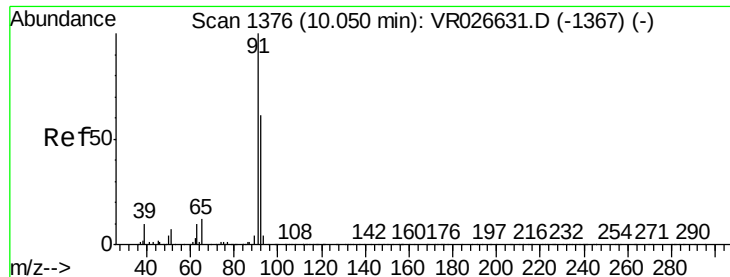
Ion Ratio Lower Upper

43 100

58 45.0 32.6 48.8

100 0.0 11.7 17.5#





#42

Toluene

Concen: 0.310 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampleId :

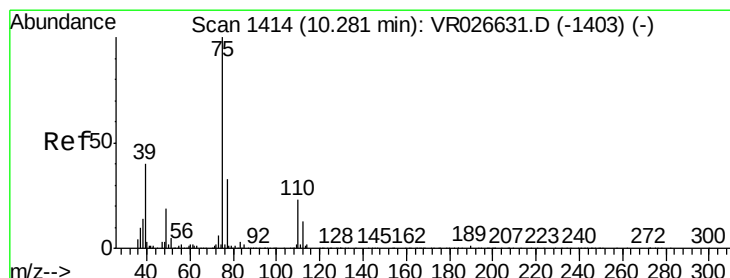
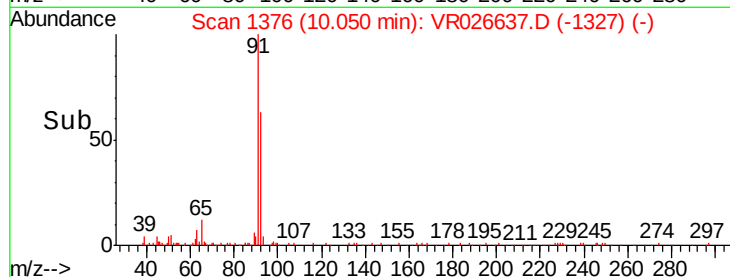
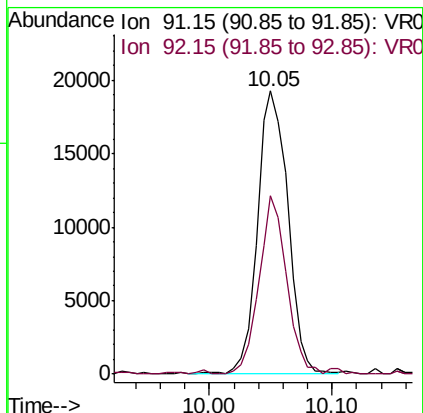
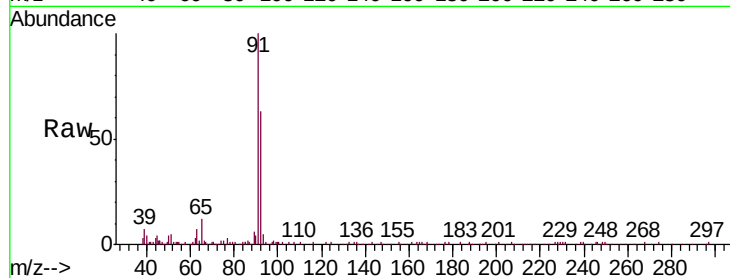
MDL03

Tgt Ion: 91 Resp: 33325

Ion Ratio Lower Upper

91 100

92 63.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.282 ug/L

RT: 10.28 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VR026637.D

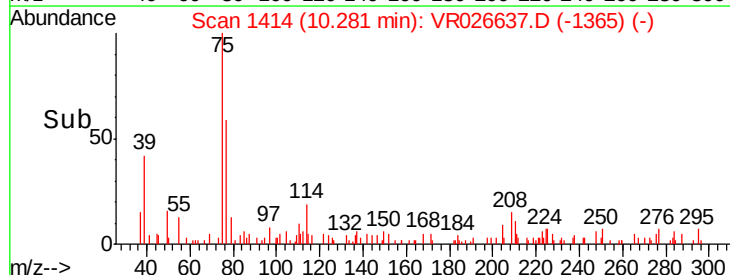
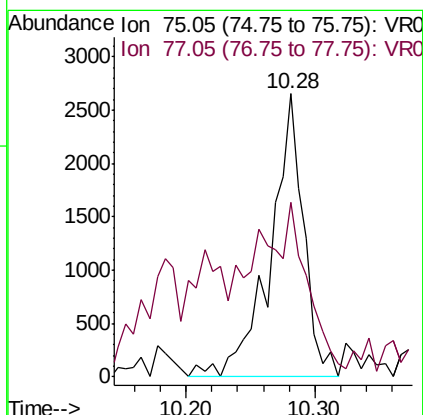
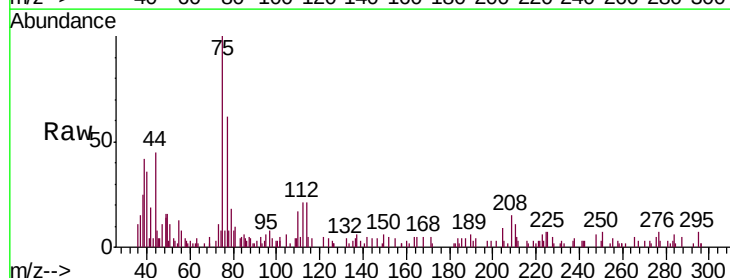
Acq: 13 Sep 2019 17:53

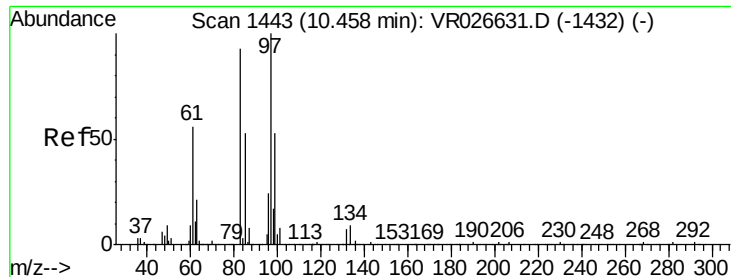
Tgt Ion: 75 Resp: 4778

Ion Ratio Lower Upper

75 100

77 61.7 23.1 42.9#

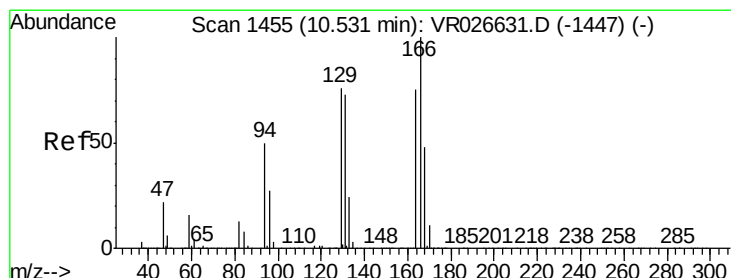
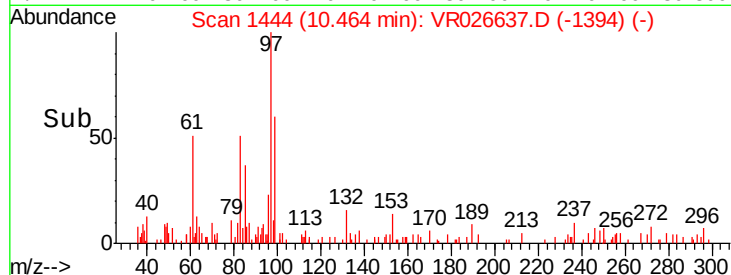
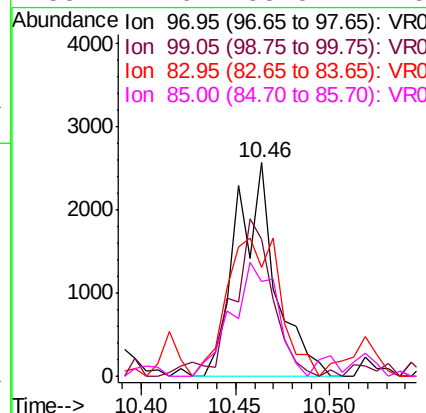
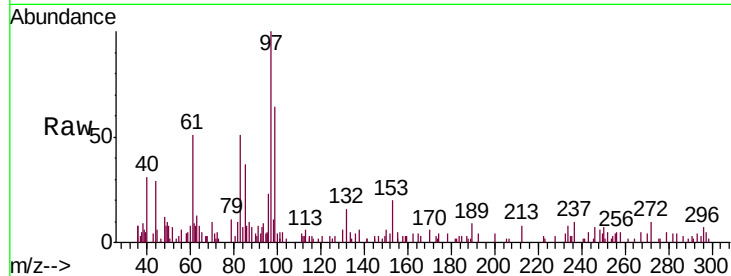




#45
 1,1,2-Trichloroethane
 Concen: 0.350 ug/L
 RT: 10.46 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

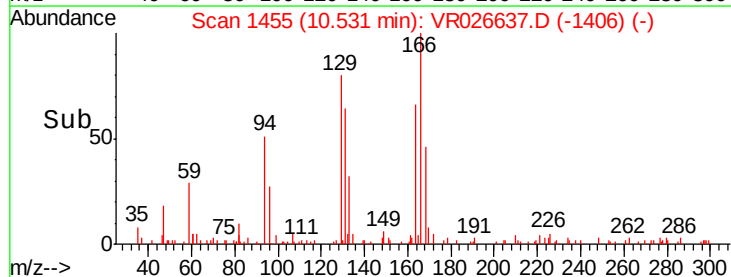
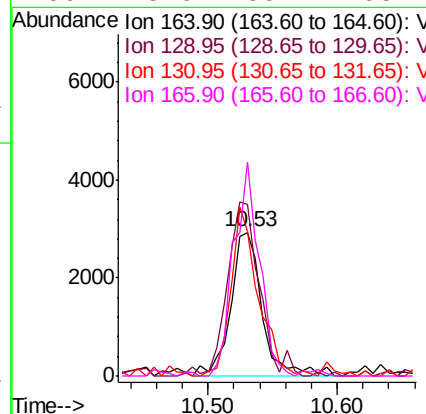
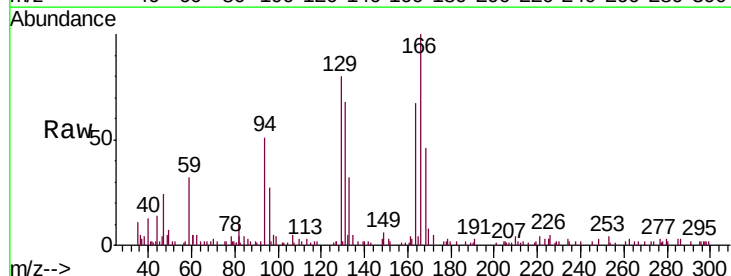
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL03

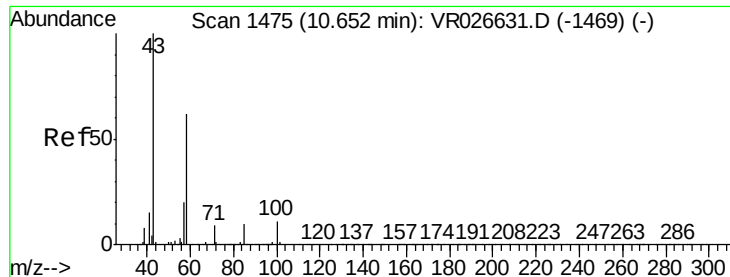
Tgt Ion:	97	Resp:	3707
Ion	Ratio	Lower	Upper
97	100		
99	64.0	45.6	84.6
83	50.8	64.5	119.9#
85	44.6	38.5	71.5



#47
 Tetrachloroethene
 Concen: 0.278 ug/L
 RT: 10.53 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Tgt Ion:	164	Resp:	5028
Ion	Ratio	Lower	Upper
164	100		
129	119.1	74.8	139.0
131	101.1	69.1	128.3
166	148.6	85.2	158.2

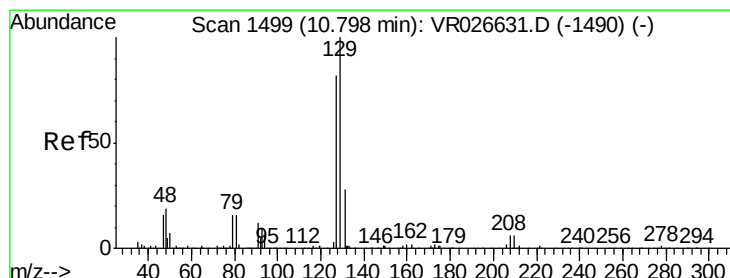
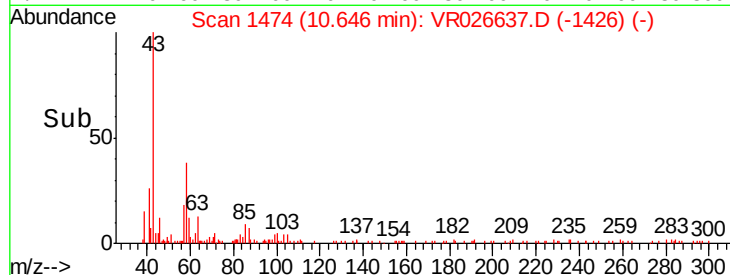
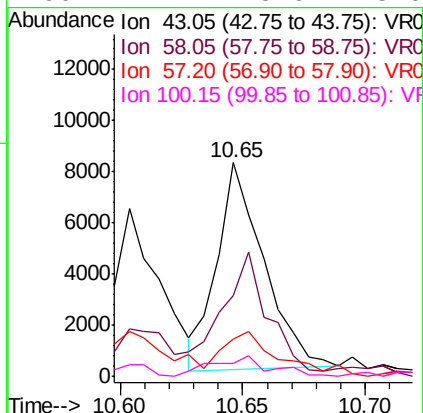
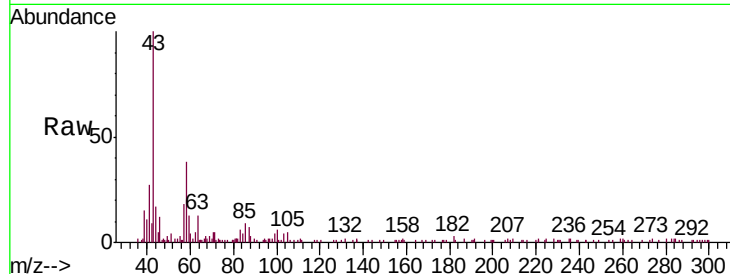




#48
2-Hexanone
Concen: 2.736 ug/L
RT: 10.65 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

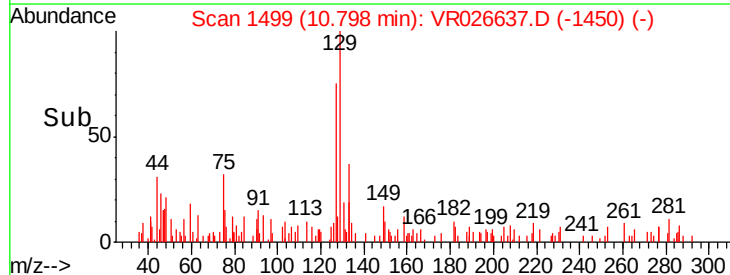
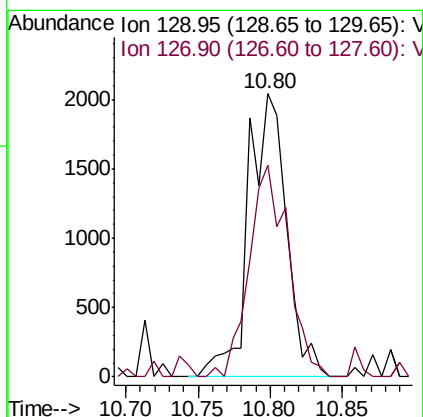
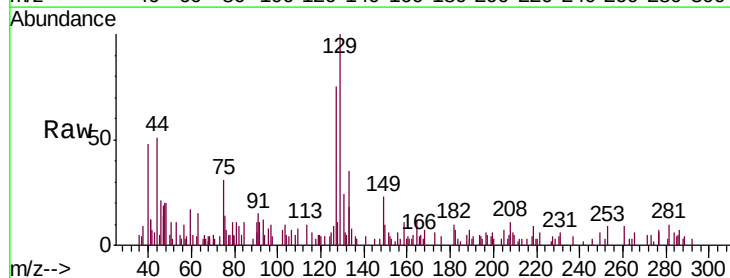
Instrument :
MSVOA_R
ClientSampleId :
MDL03

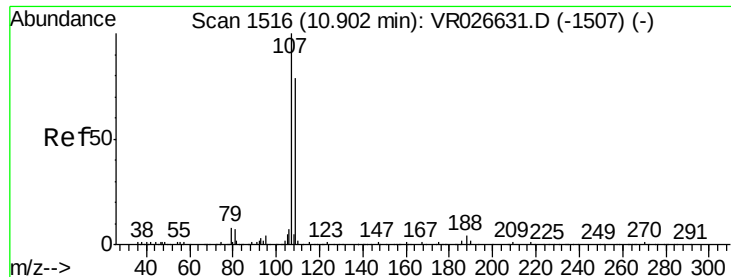
Tgt Ion:	43	Resp:	10830
Ion	Ratio	Lower	Upper
43	100		
58	62.6	46.4	69.6
57	26.3	16.7	25.1
100	11.7	8.6	13.0



#49
Dibromochloromethane
Concen: 0.321 ug/L
RT: 10.80 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Tgt Ion:	129	Resp:	3708
Ion	Ratio	Lower	Upper
129	100		
127	75.0	57.0	105.9

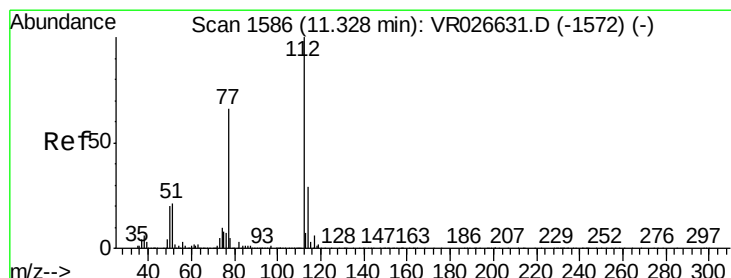
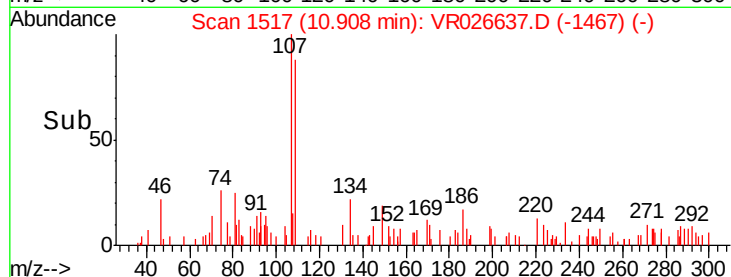
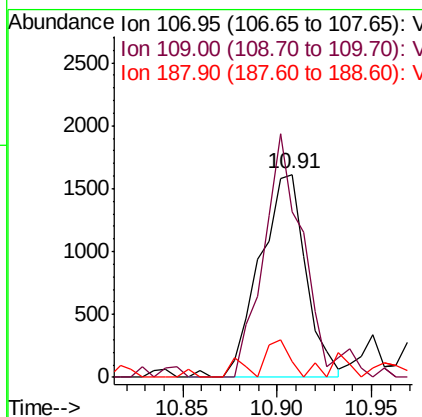
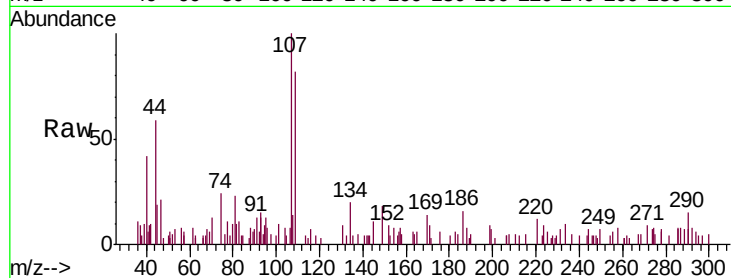




#50
1,2-Dibromoethane
Concen: 0.297 ug/L
RT: 10.91 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

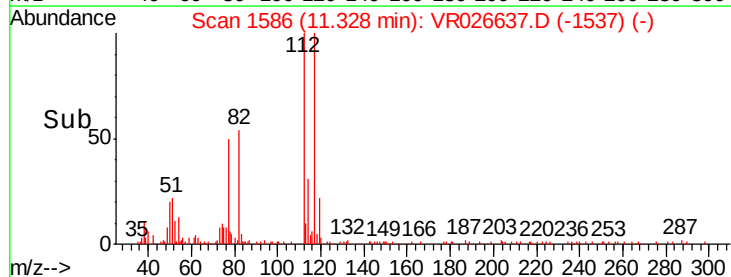
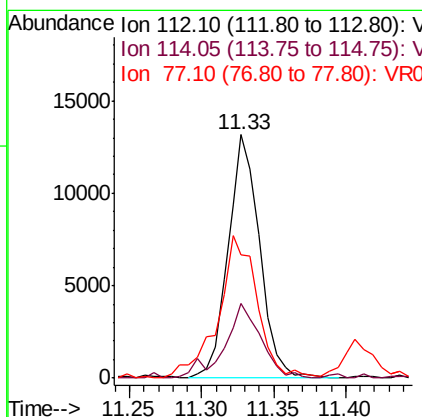
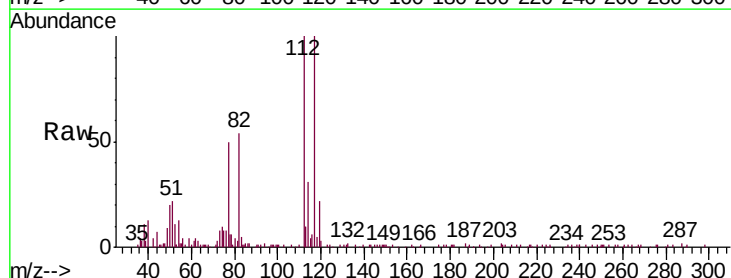
Instrument :
MSVOA_R
ClientSampleId :
MDL03

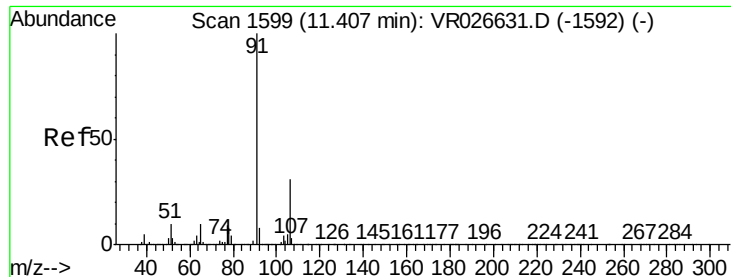
Tgt Ion:107 Resp: 2730
Ion Ratio Lower Upper
107 100
109 81.9 67.2 124.8
188 7.8 1.8 2.8#



#51
Chlorobenzene
Concen: 0.323 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Tgt Ion:112 Resp: 20162
Ion Ratio Lower Upper
112 100
114 30.7 22.7 42.1
77 50.4 54.0 81.0#





#52

Ethylbenzene

Concen: 0.228 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampleId :

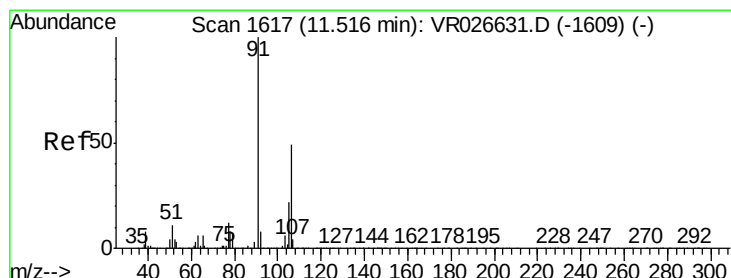
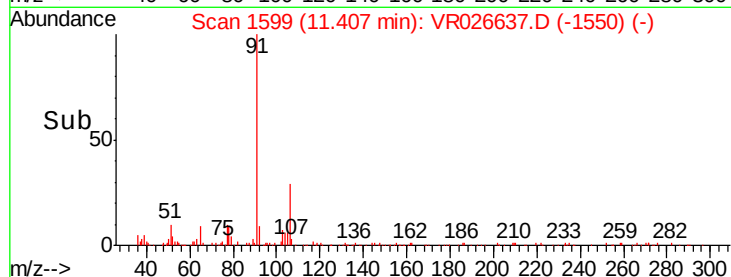
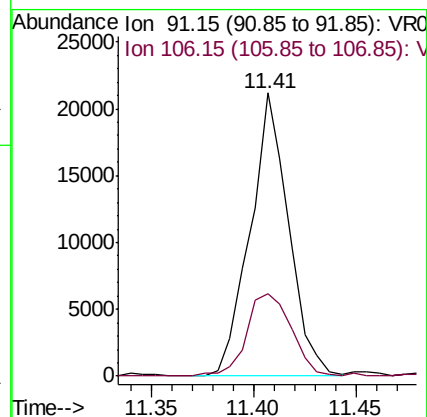
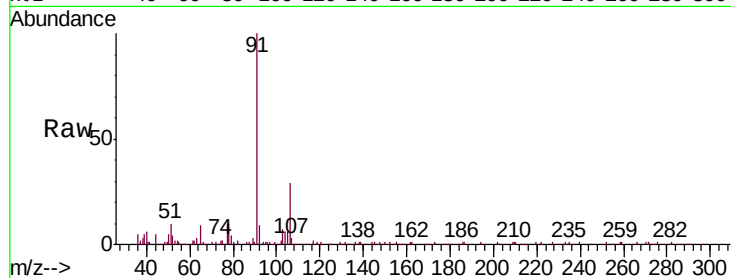
MDL03

Tgt Ion: 91 Resp: 27773

Ion Ratio Lower Upper

91 100

106 29.1 21.0 39.0



#53

m,p-Xylene

Concen: 0.230 ug/L

RT: 11.51 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VR026637.D

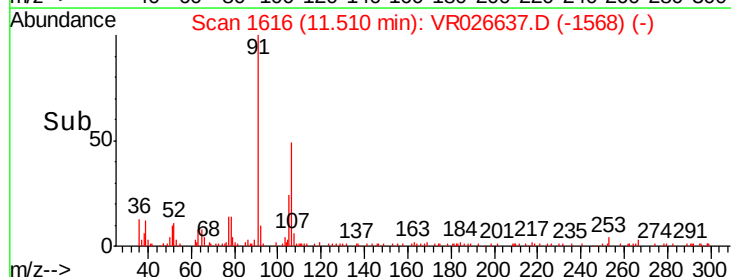
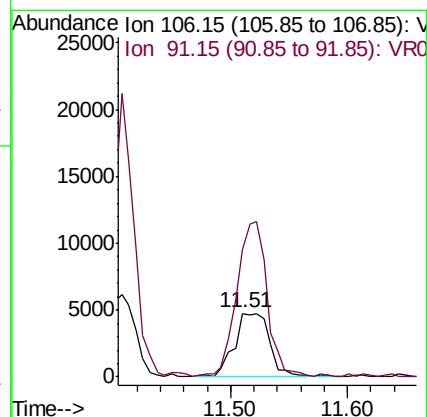
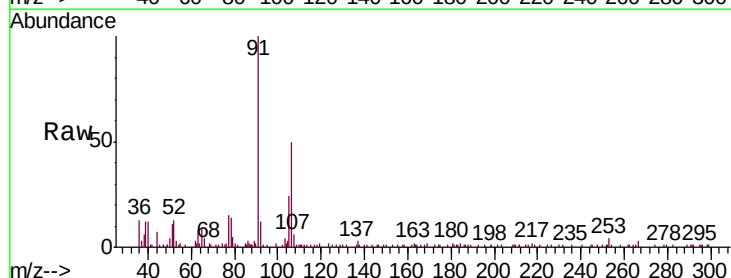
Acq: 13 Sep 2019 17:53

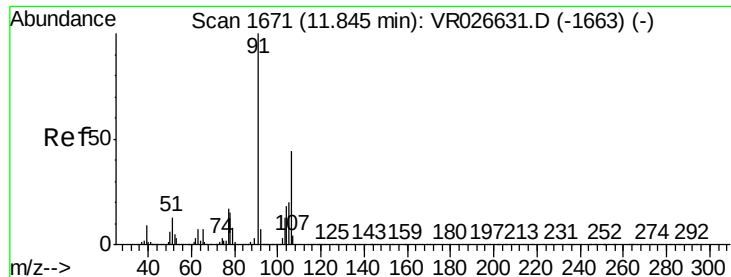
Tgt Ion: 106 Resp: 10038

Ion Ratio Lower Upper

106 100

91 200.5 146.5 272.1





#54

o-Xylene

Concen: 0.209 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampleId :

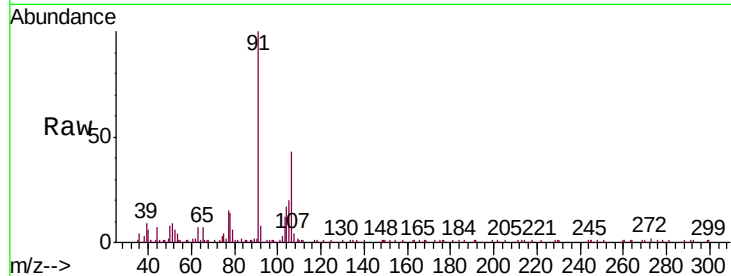
MDL03

Tgt Ion:106 Resp: 9005

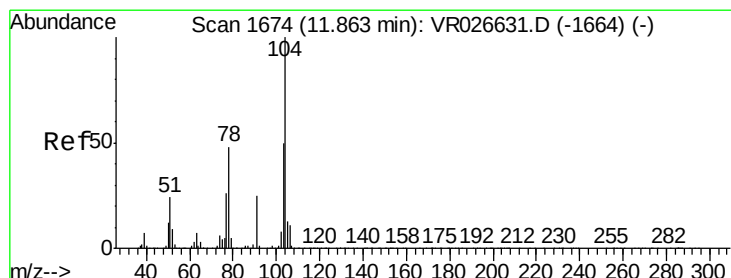
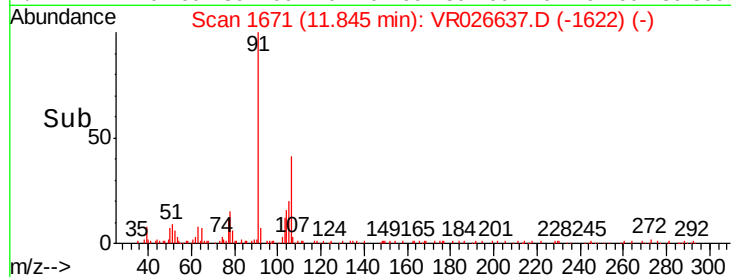
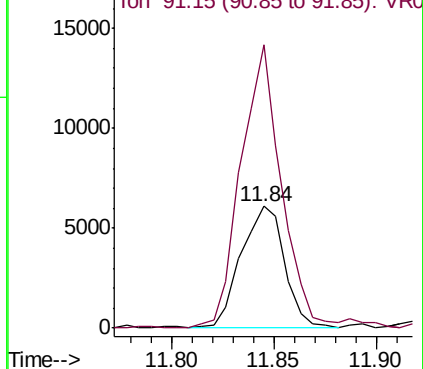
Ion Ratio Lower Upper

106 100

91 232.6 154.3 286.5



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 0.201 ug/L

RT: 11.86 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VR026637.D

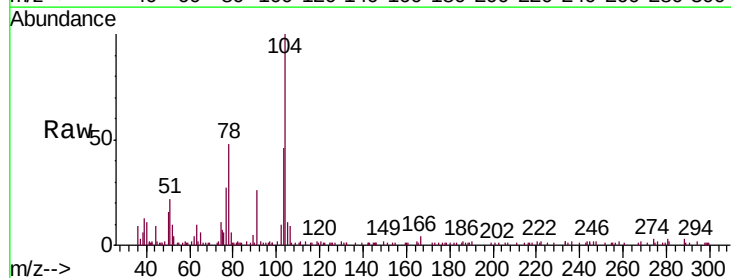
Acq: 13 Sep 2019 17:53

Tgt Ion:104 Resp: 12434

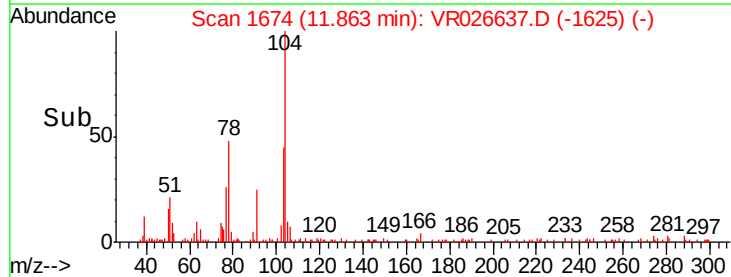
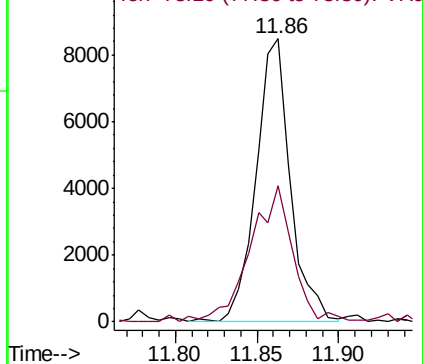
Ion Ratio Lower Upper

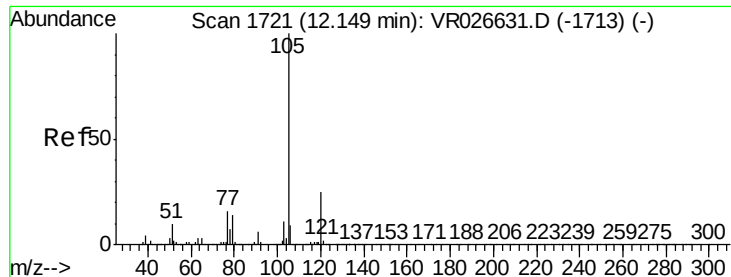
104 100

78 48.2 32.5 60.3



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 0.192 ug/L

RT: 12.15 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampleId :

MDL03

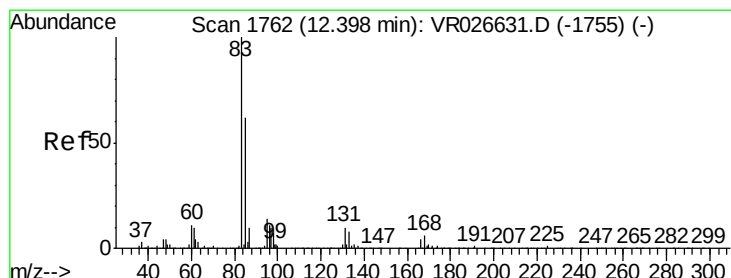
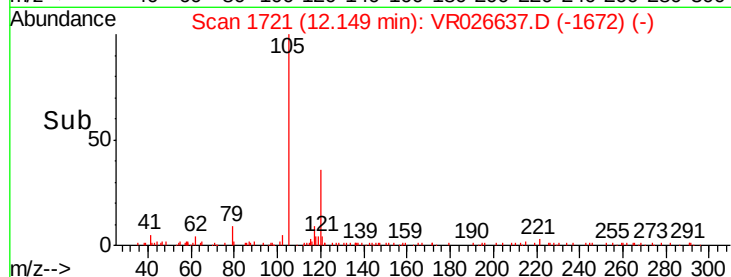
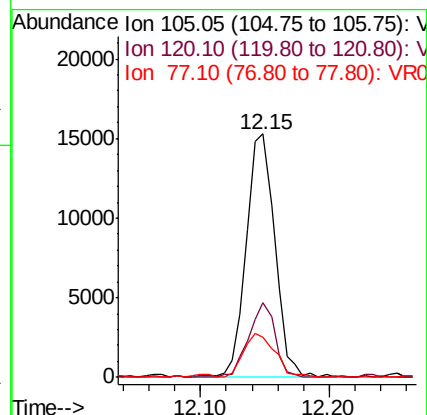
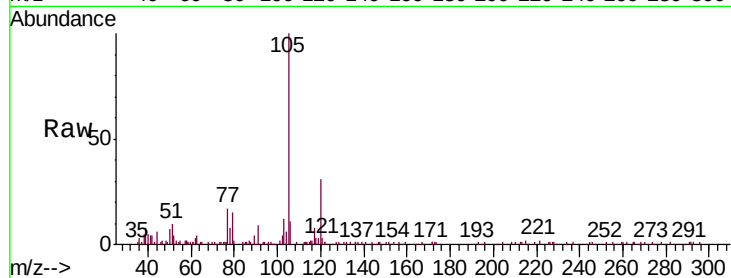
Tgt Ion: 105 Resp: 23388

Ion Ratio Lower Upper

105 100

120 28.1 20.7 31.1

77 20.1 13.3 19.9#



#58

1,1,2,2-Tetrachloroethane

Concen: 0.328 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

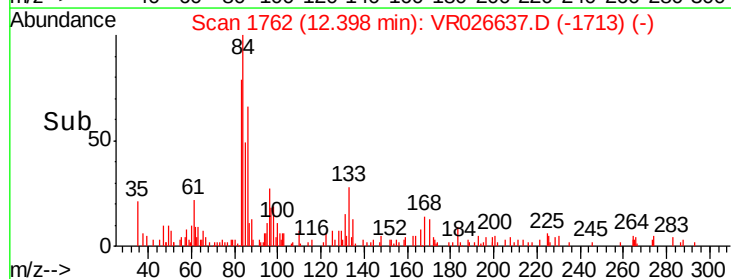
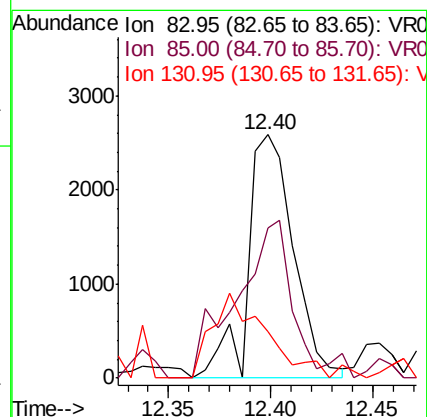
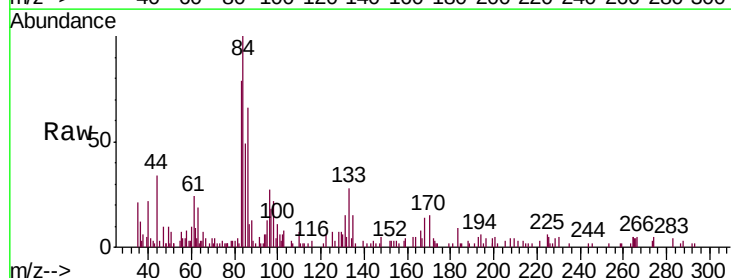
Tgt Ion: 83 Resp: 4021

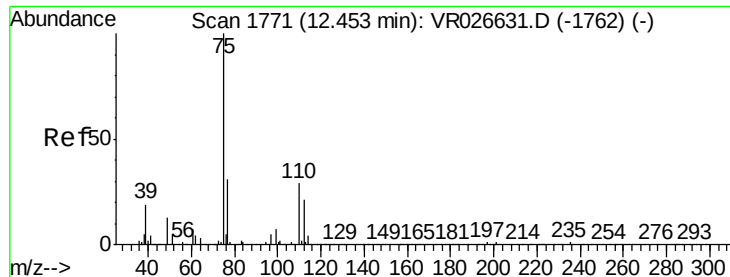
Ion Ratio Lower Upper

83 100

85 61.8 46.1 85.7

131 19.2 6.8 10.2#





#59

1,2,3-Trichloropropane

Concen: 0.312 ug/L

RT: 12.45 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampleId :

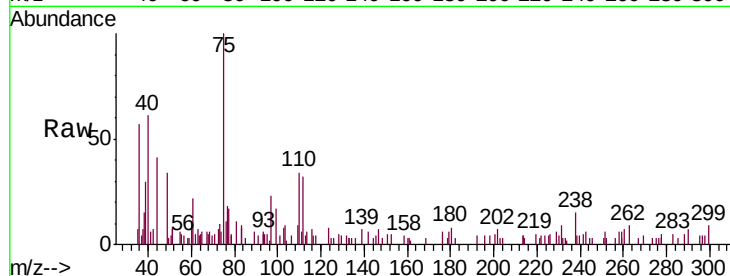
MDL03

Tgt Ion: 75 Resp: 2809

Ion Ratio Lower Upper

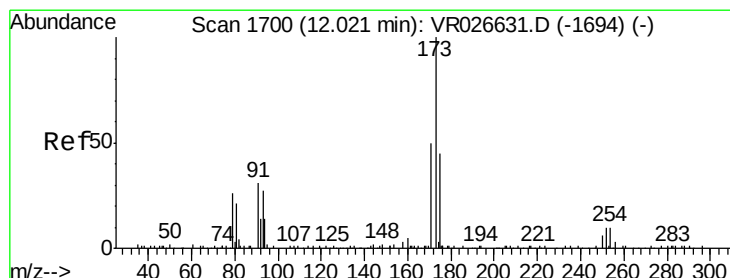
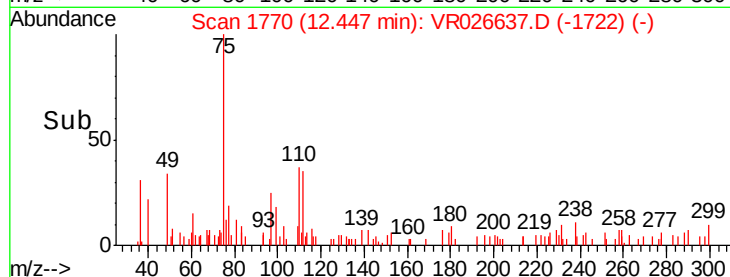
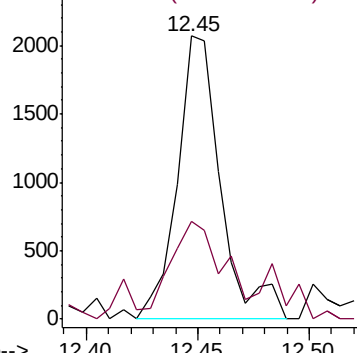
75 100

77 44.2 25.8 38.6#



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 0.287 ug/L

RT: 12.03 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

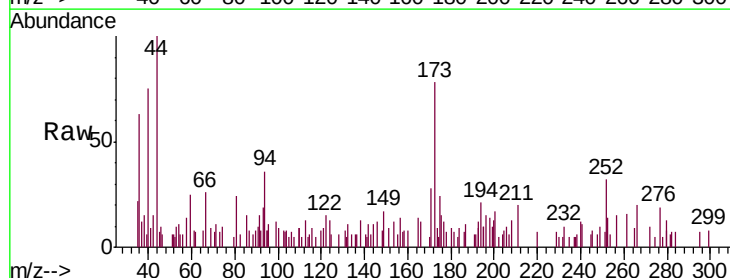
Tgt Ion: 173 Resp: 1353

Ion Ratio Lower Upper

173 100

175 50.8 40.2 60.2

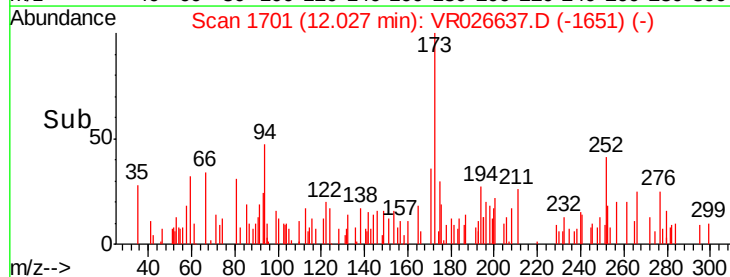
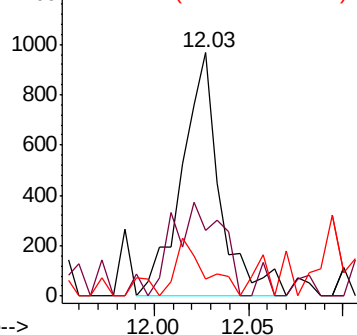
254 18.3 8.7 13.1#

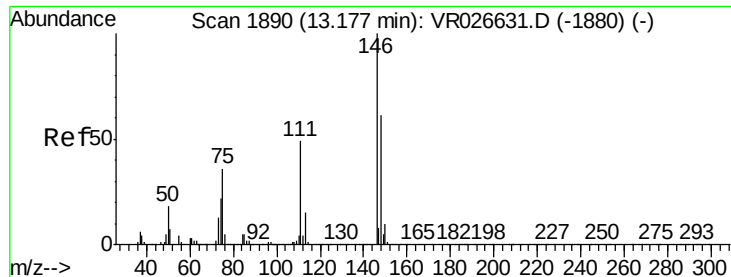


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 0.276 ug/L

RT: 13.18 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampled :

MDL03

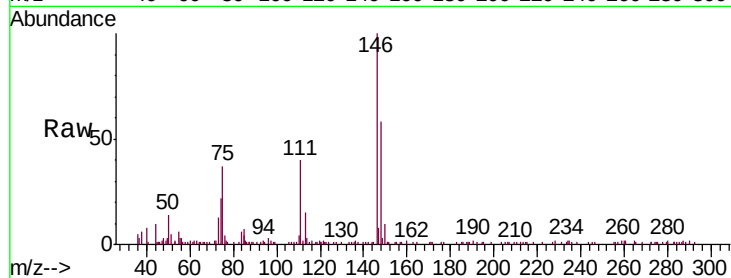
Tgt Ion:146 Resp: 11876

Ion Ratio Lower Upper

146 100

111 40.2 29.5 54.9

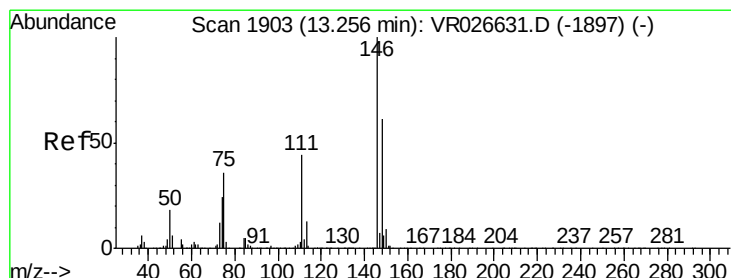
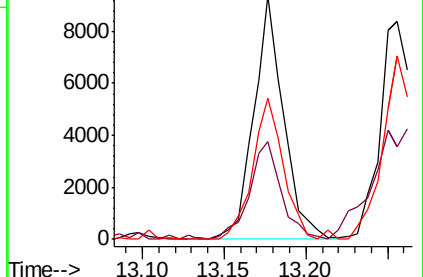
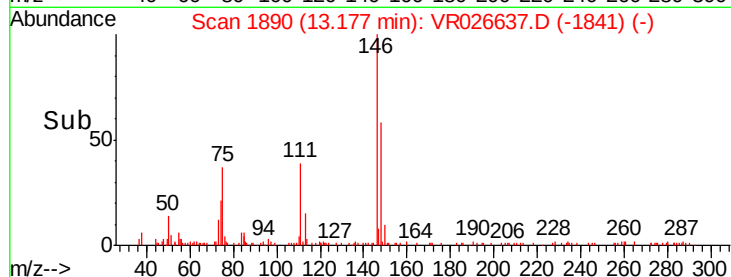
148 58.2 42.8 79.4



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: 0.301 ug/L

RT: 13.26 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

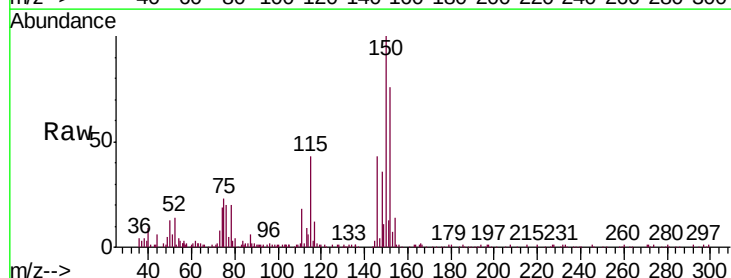
Tgt Ion:146 Resp: 12857

Ion Ratio Lower Upper

146 100

111 42.5 31.1 57.9

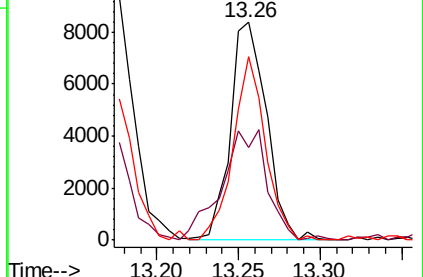
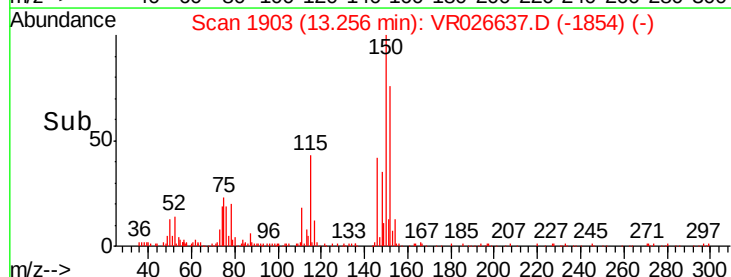
148 84.1 44.6 82.8#

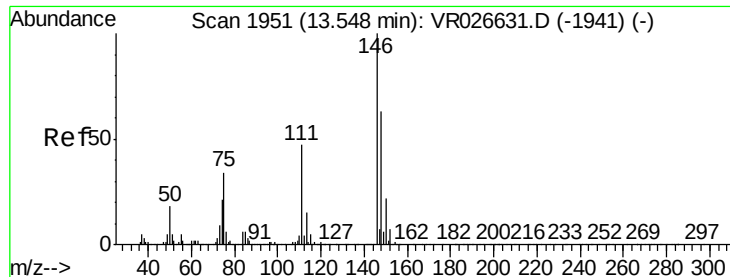


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

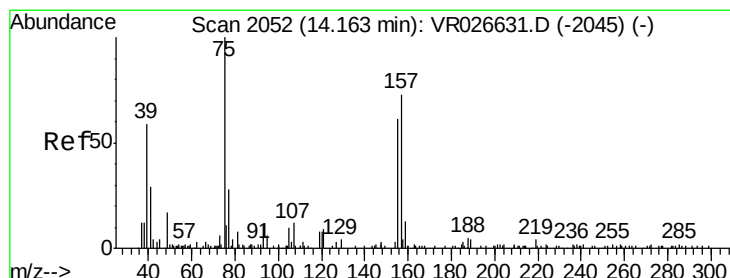
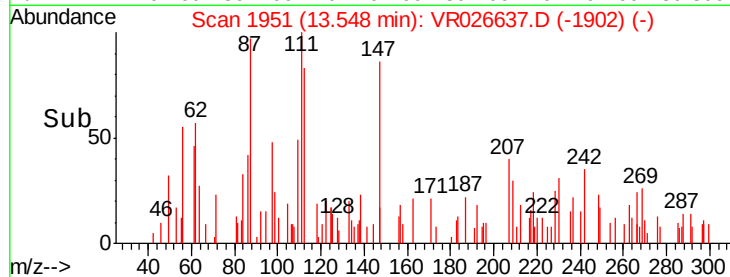
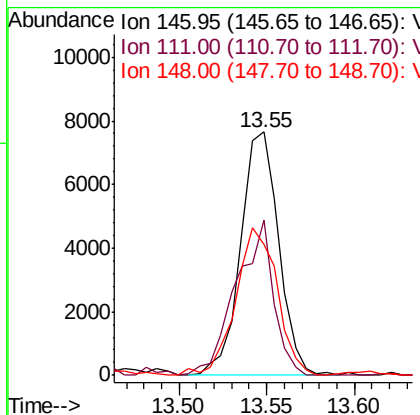
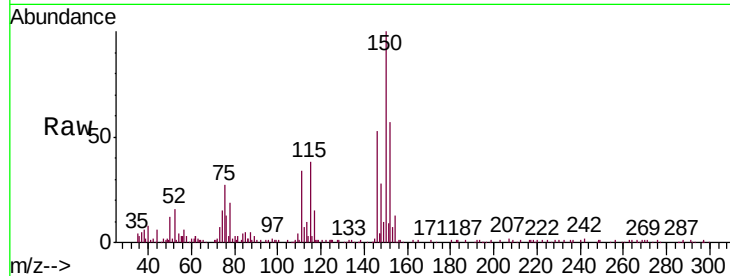




#65
 1,2-Dichlorobenzene
 Concen: 0.318 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

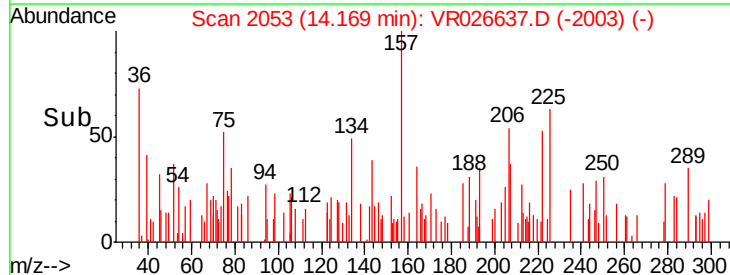
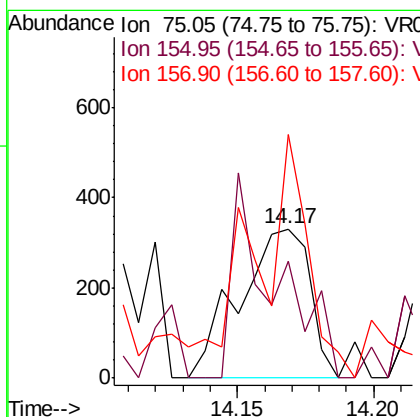
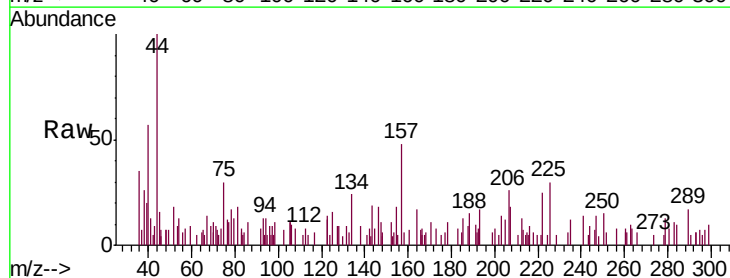
Instrument :
 MSVOA_R
 ClientSampled :
 MDL03

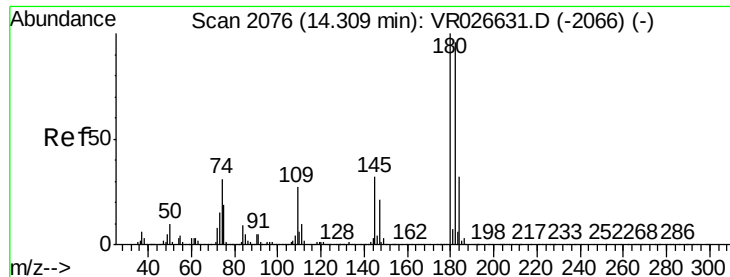
Tgt Ion: 146 Resp: 11591
 Ion Ratio Lower Upper
 146 100
 111 63.6 38.2 57.2#
 148 53.7 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.328 ug/L
 RT: 14.17 min Scan# 2053
 Delta R.T. 0.01 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Tgt Ion: 75 Resp: 595
 Ion Ratio Lower Upper
 75 100
 155 77.9 49.4 74.2#
 157 163.1 65.2 97.8#

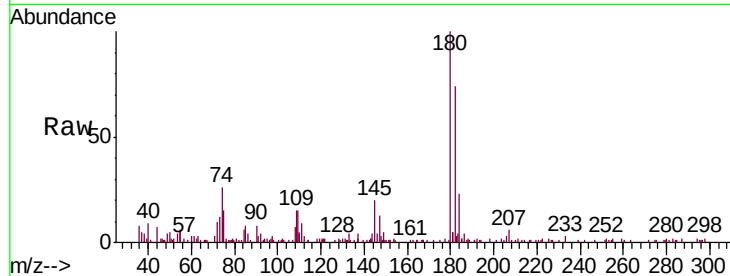




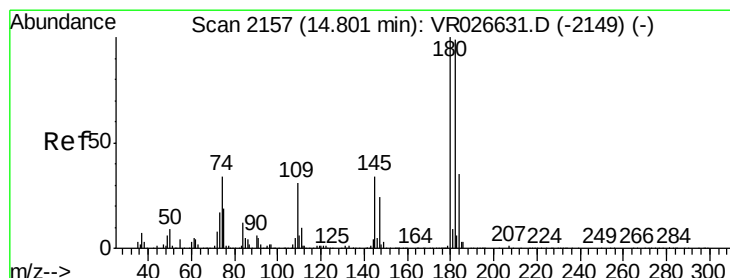
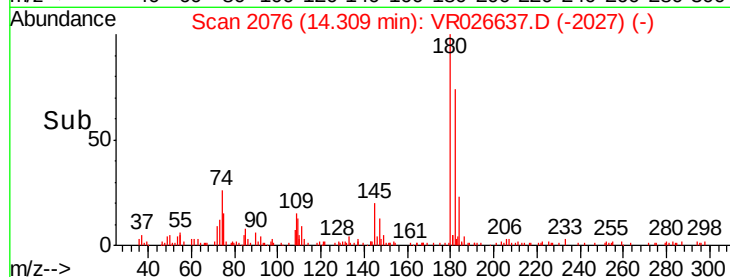
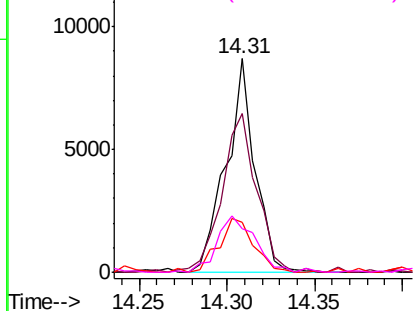
#67
 1,3,5-Trichlorobenzene
 Concen: 0.289 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. 0.00 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL03

Tgt Ion:	180	Resp:	10060
Ion	Ratio	Lower	Upper
180	100		
182	88.6	76.3	114.5
184	31.0	24.4	36.6
145	34.6	25.1	37.7

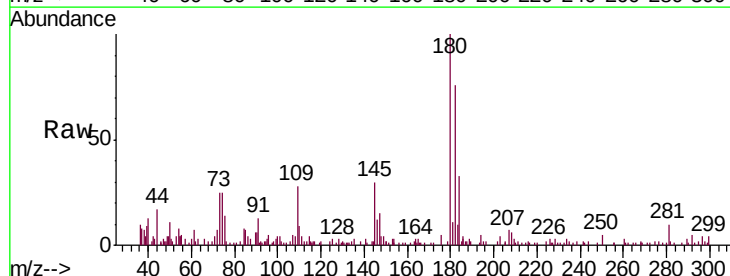


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

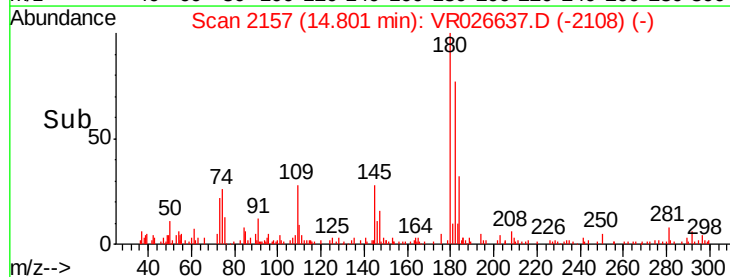
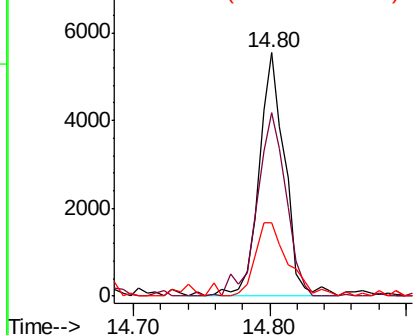


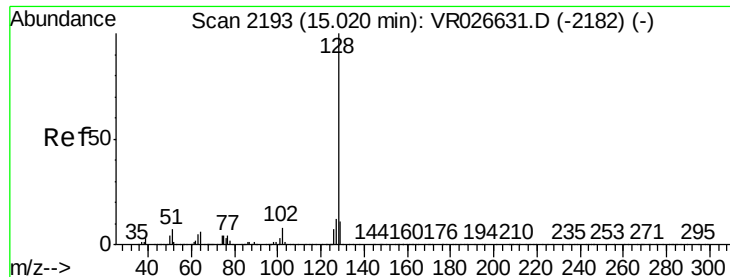
#68
 1,2,4-trichlorobenzene
 Concen: 0.302 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. 0.00 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Tgt Ion:	180	Resp:	7418
Ion	Ratio	Lower	Upper
180	100		
182	84.2	75.1	112.7
145	38.1	25.9	38.9



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: 0.219 ug/L

RT: 15.02 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampleId :

MDL03

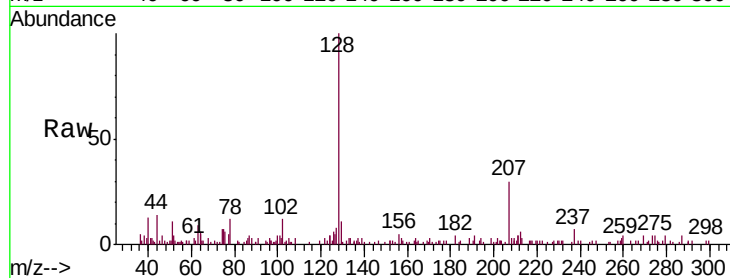
Tgt Ion:128 Resp: 7153

Ion Ratio Lower Upper

128 100

127 14.7 10.8 16.2

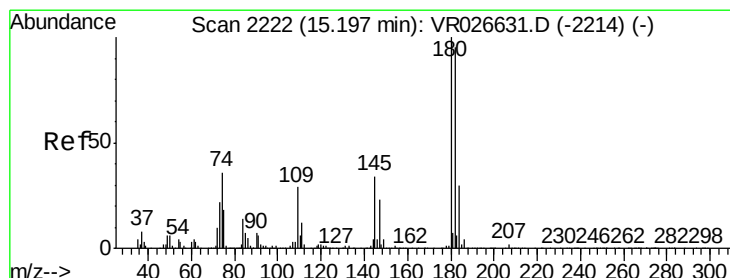
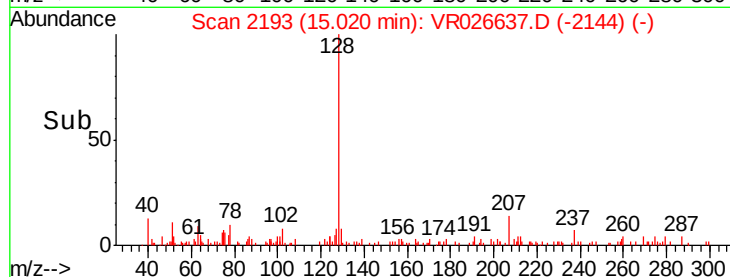
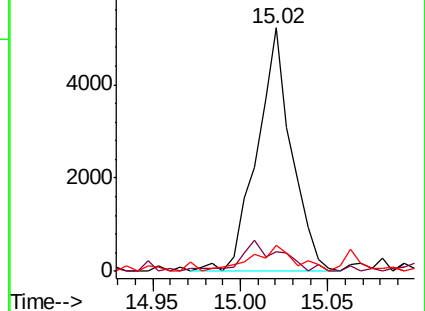
129 12.8 8.9 13.3



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: 0.321 ug/L

RT: 15.20 min Scan# 2222

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

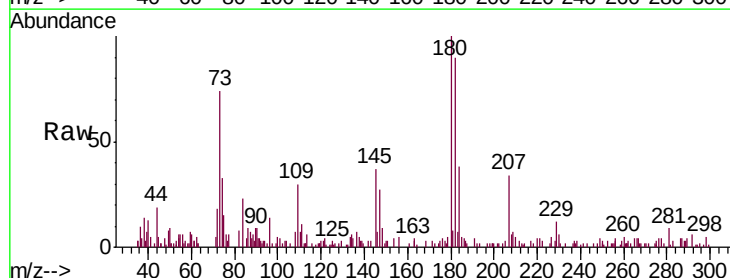
Tgt Ion:180 Resp: 6980

Ion Ratio Lower Upper

180 100

182 97.4 76.2 114.4

145 38.7 28.6 42.8



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

