

Data File : VR026636.D
Acq On : 13 Sep 2019 17:20
Operator : SY/MD
Sample : MDL02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL02

Quant Time: Sep 14 06:52:53 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	318944	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	258208	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	115587	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.19	65	38458	4.39	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	2.63	69	37409	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	3.63	63	79503	3.28	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	6.62	46	91507	48.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.28%
24) Chloroform-d	7.22	84	171699	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	7.91	65	57241	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	7.87	84	301965	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	8.92	67	83341	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	9.99	98	224469	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	10.25	79	16329	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	10.61	63	57513	49.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.30%
57) 1,1,2,2-Tetrachloroethane-	12.37	84	45205	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	13.53	152	76698	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	11445	0.317 ug/L	99
3) Chloromethane	2.06	50	6566	0.349 ug/L #	81
5) Vinyl chloride	2.20	62	5353	0.284 ug/L #	64
6) Bromomethane	2.54	94	4552	0.384 ug/L #	61
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	3045	0.213 ug/L #	75
12) 1,1-Dichloroethene	3.63	96	3515	0.250 ug/L #	1
13) Acetone	3.74	43	5677	3.972 ug/L	85
14) Carbon disulfide	3.98	76	15469	0.257 ug/L #	86
15) Methyl Acetate	4.22	43	1906	0.318 ug/L #	64
16) Methylene chloride	4.42	84	13694	0.468 ug/L	80
17) Methyl tert-butyl Ether	4.93	73	3305	0.109 ug/L #	82
18) trans-1,2-Dichloroethene	4.92	96	9610	0.327 ug/L #	66
19) 1,1-Dichloroethane	5.72	63	17540	0.318 ug/L	98
22) cis-1,2-Dichloroethene	6.69	96	8313	0.295 ug/L	84
23) Bromochloromethane	7.08	128	2595	0.331 ug/L #	61
25) Chloroform	7.25	83	22068	0.418 ug/L	86
27) 1,2-Dichloroethane	8.02	62	7466	0.402 ug/L #	91

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

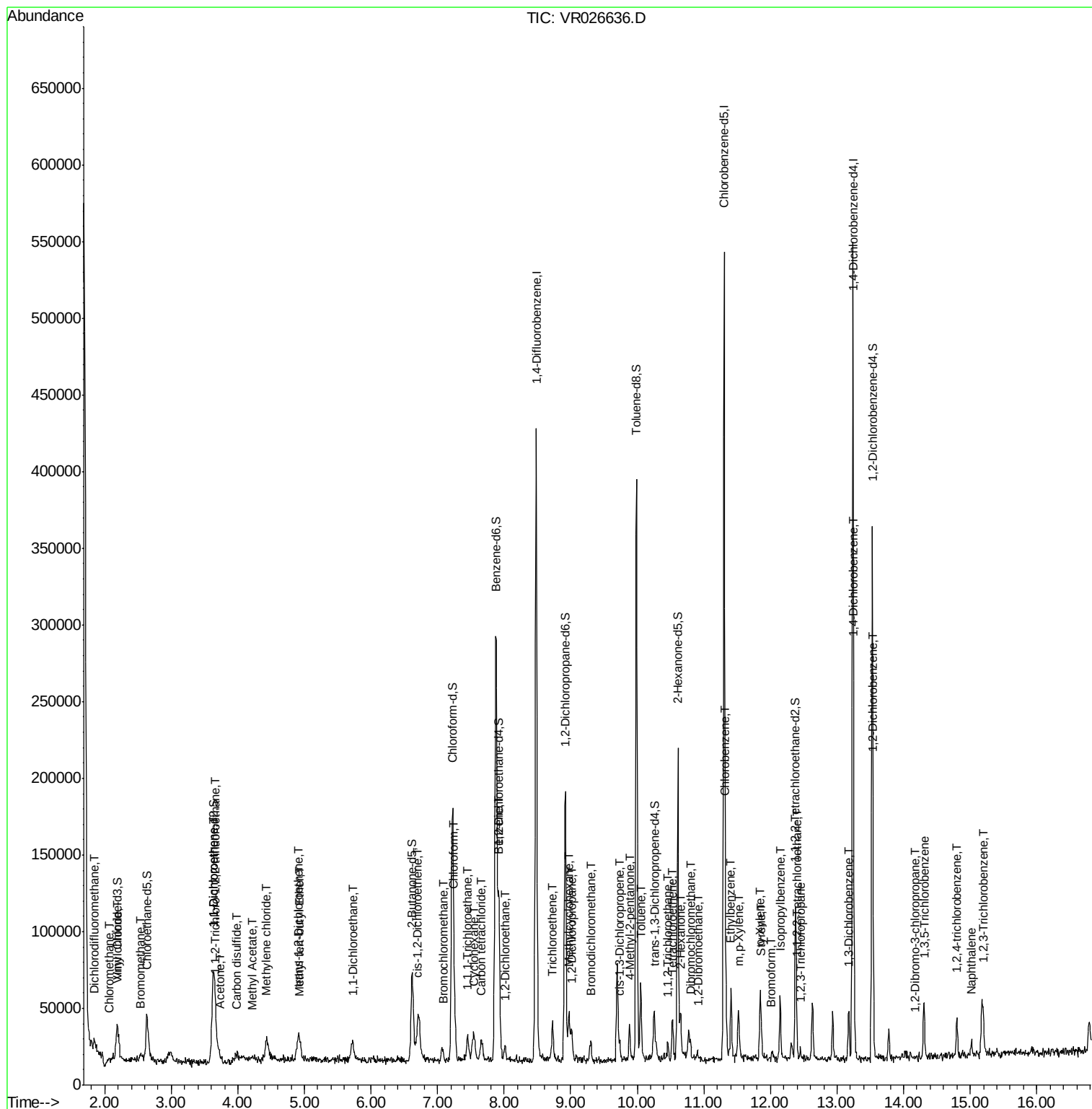
29) 1,1,1-Trichloroethane	7.45	97	12100	0.291	ug/L	96
30) Cyclohexane	7.54	56	8316	0.188	ug/L #	84
31) Carbon tetrachloride	7.65	117	10736	0.305	ug/L	98
33) Benzene	7.93	78	38598	0.337	ug/L	100
34) Trichloroethene	8.73	95	8515	0.299	ug/L	88
35) Methylcyclohexane	8.98	83	10247	0.239	ug/L	93
37) 1,2-Dichloropropane	9.02	63	8396	0.363	ug/L #	96
38) Bromodichloromethane	9.30	83	7744	0.315	ug/L #	95
39) cis-1,3-Dichloropropene	9.74	75	7902	0.322	ug/L #	79
40) 4-Methyl-2-pentanone	9.88	43	12258	2.117	ug/L #	86
42) Toluene	10.05	91	29097	0.291	ug/L	94
45) 1,1,2-Trichloroethane	10.46	97	3001	0.305	ug/L #	82
47) Tetrachloroethene	10.53	164	5578	0.331	ug/L	91
48) 2-Hexanone	10.65	43	11381	3.092	ug/L #	96
49) Dibromochloromethane	10.79	129	3209	0.299	ug/L	99
50) 1,2-Dibromoethane	10.90	107	2898	0.339	ug/L #	75
51) Chlorobenzene	11.33	112	18630	0.321	ug/L #	85
52) Ethylbenzene	11.41	91	28389	0.250	ug/L	94
53) m,p-Xylene	11.52	106	10472	0.258	ug/L	86
54) o-Xylene	11.84	106	7500	0.187	ug/L	97
55) Styrene	11.86	104	12514	0.218	ug/L	100
56) Isopropylbenzene	12.14	105	22804	0.202	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.40	83	4000	0.350	ug/L #	85
59) 1,2,3-Trichloropropane	12.45	75	2854	0.341	ug/L	93
61) Bromoform	12.02	173	2046	0.453	ug/L	88
62) 1,3-Dichlorobenzene	13.18	146	11606	0.282	ug/L	88
63) 1,4-Dichlorobenzene	13.26	146	13052	0.320	ug/L	91
65) 1,2-Dichlorobenzene	13.55	146	12011	0.345	ug/L	89
66) 1,2-Dibromo-3-chloropropan	14.17	75	752	0.433	ug/L #	73
67) 1,3,5-Trichlorobenzene	14.31	180	9685	0.291	ug/L	93
68) 1,2,4-trichlorobenzene	14.80	180	6075	0.259	ug/L #	93
69) Naphthalene	15.02	128	5705	0.183	ug/L #	91
70) 1,2,3-Trichlorobenzene	15.20	180	6206	0.298	ug/L	91

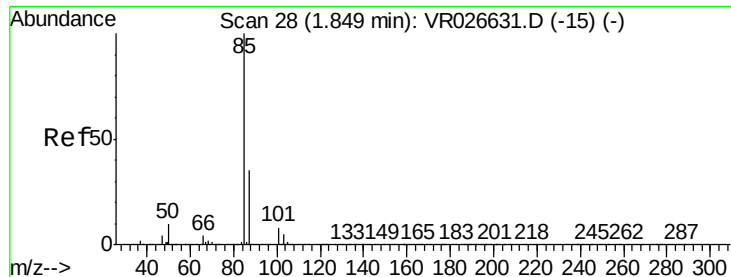
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.317 ug/L

RT: 1.85 min Scan# 28

Delta R.T. -0.00 min

Lab File: VR026636.D

Acq: 13 Sep 2019 17:20

Instrument :

MSVOA_R

ClientSampleId :

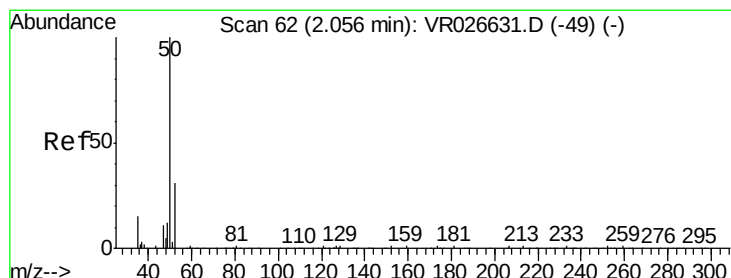
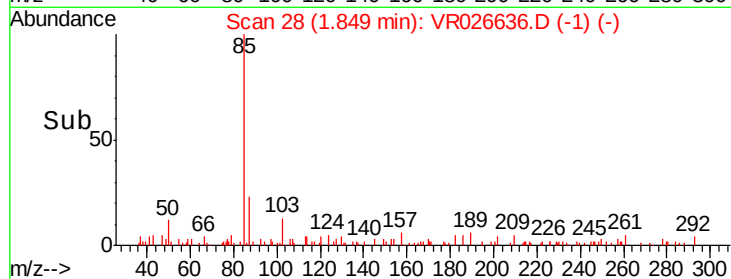
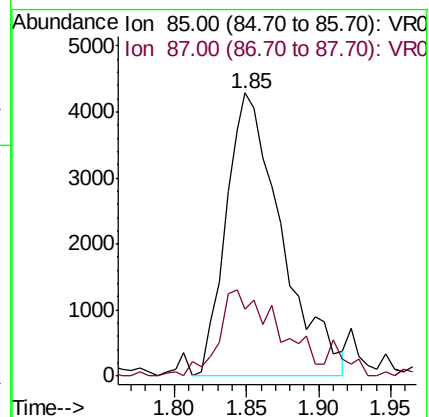
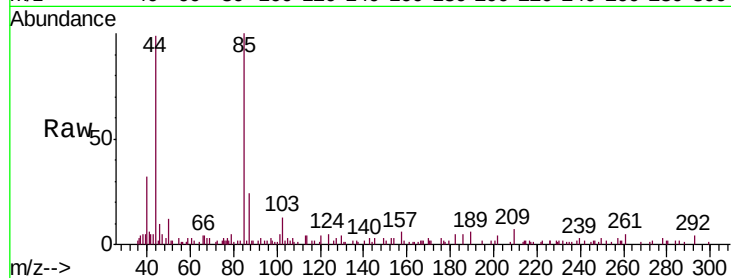
MDL02

Tgt Ion: 85 Resp: 11445

Ion Ratio Lower Upper

85 100

87 33.2 26.0 39.0



#3

Chloromethane

Concen: 0.349 ug/L

RT: 2.06 min Scan# 63

Delta R.T. 0.01 min

Lab File: VR026636.D

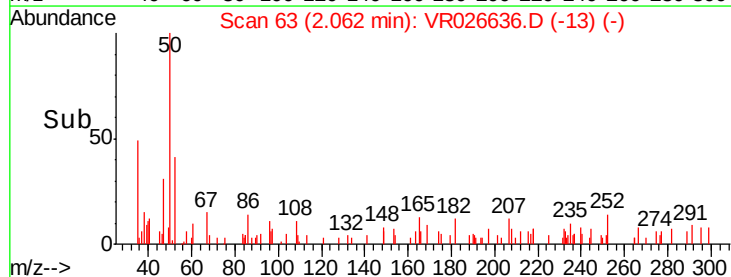
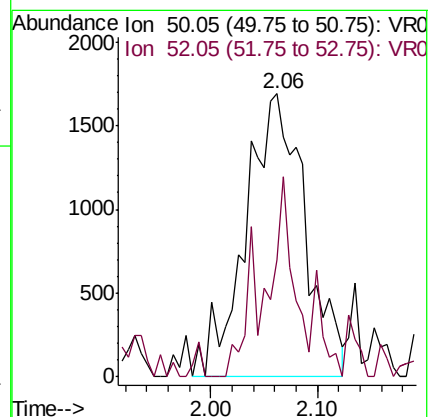
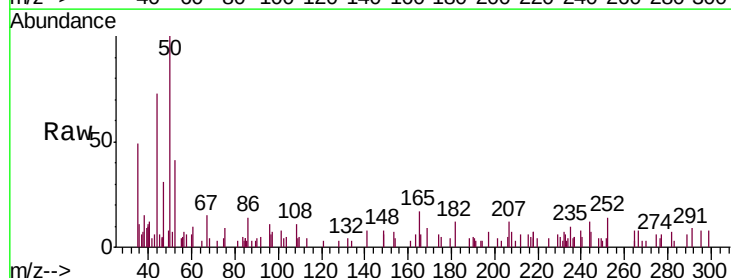
Acq: 13 Sep 2019 17:20

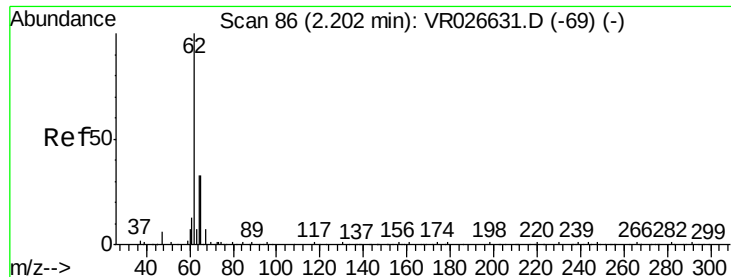
Tgt Ion: 50 Resp: 6566

Ion Ratio Lower Upper

50 100

52 41.5 21.7 40.3#





#5

Vinyl chloride

Concen: 0.284 ug/L

RT: 2.20 min Scan# 86

Delta R.T. -0.00 min

Lab File: VR026636.D

Acq: 13 Sep 2019 17:20

Instrument :

MSVOA_R

ClientSampleId :

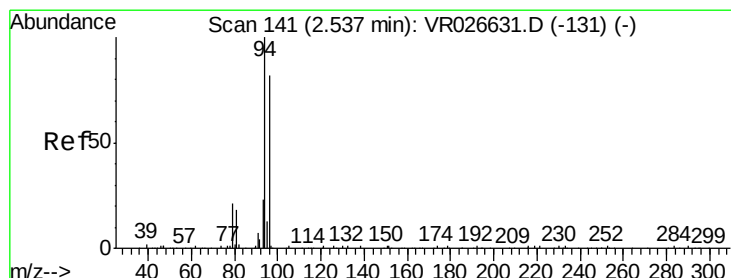
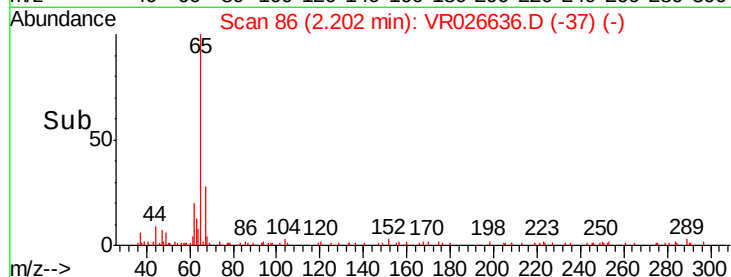
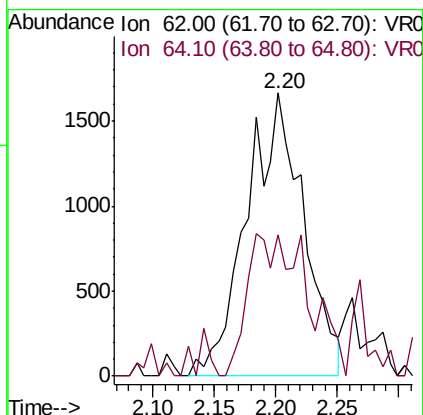
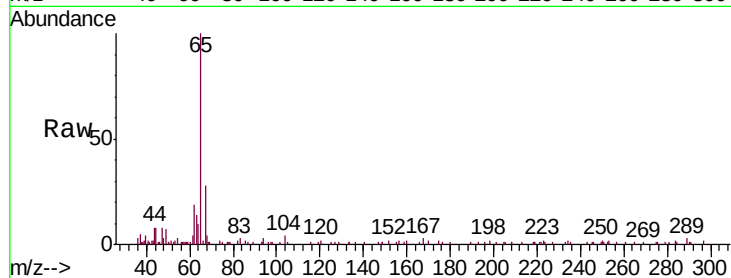
MDL02

Tgt Ion: 62 Resp: 5353

Ion Ratio Lower Upper

62 100

64 49.9 21.2 39.4#



#6

Bromomethane

Concen: 0.384 ug/L

RT: 2.54 min Scan# 141

Delta R.T. -0.00 min

Lab File: VR026636.D

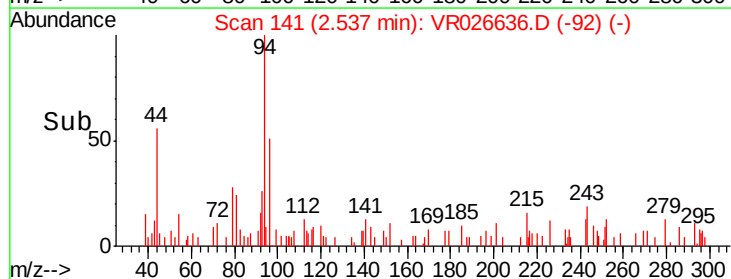
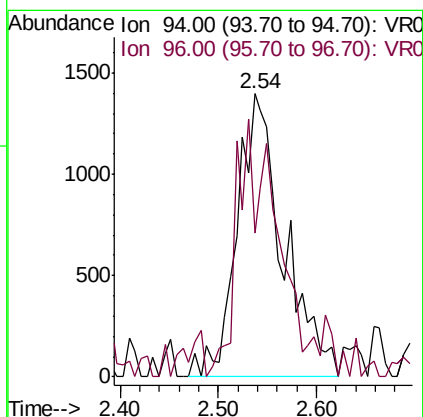
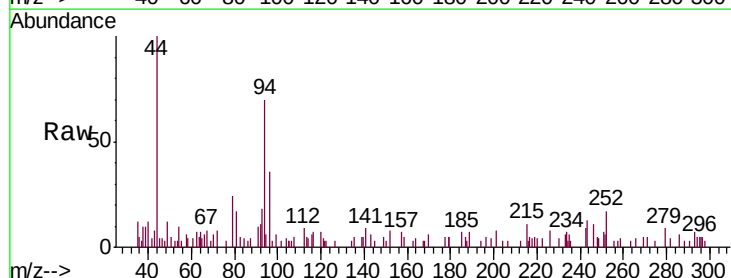
Acq: 13 Sep 2019 17:20

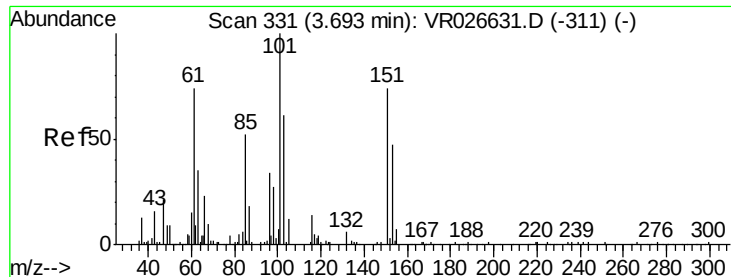
Tgt Ion: 94 Resp: 4552

Ion Ratio Lower Upper

94 100

96 50.9 61.0 113.4#





#10

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

Concen: 0.213 ug/L

RT: 3.67 min Scan# 328

Delta R.T. -0.02 min

Lab File: VR026636.D

Acq: 13 Sep 2019 17:20

Instrument :

MSVOA_R

ClientSampleId :

MDL02

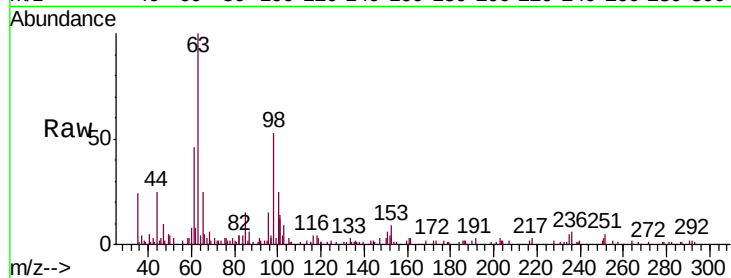
Tgt Ion:101 Resp: 3045

Ion Ratio Lower Upper

101 100

85 48.2 39.7 59.5

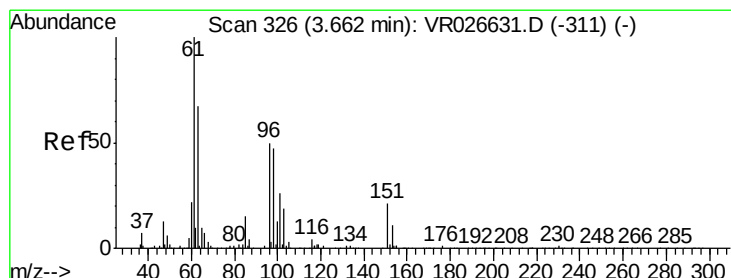
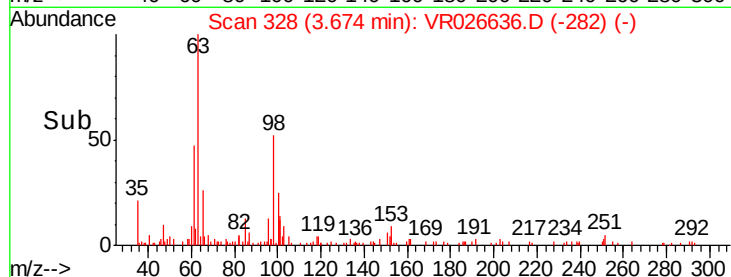
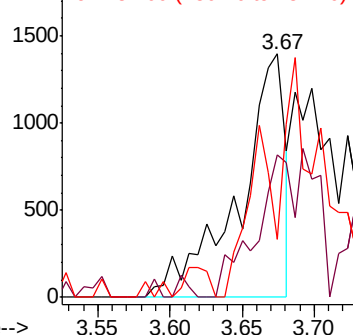
151 39.4 58.4 87.6#



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: 0.250 ug/L

RT: 3.63 min Scan# 321

Delta R.T. -0.03 min

Lab File: VR026636.D

Acq: 13 Sep 2019 17:20

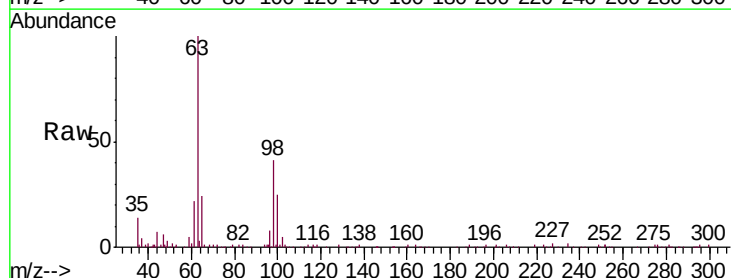
Tgt Ion: 96 Resp: 3515

Ion Ratio Lower Upper

96 100

61 260.3 143.3 266.1

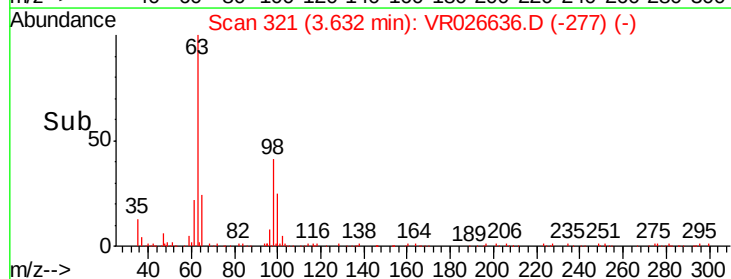
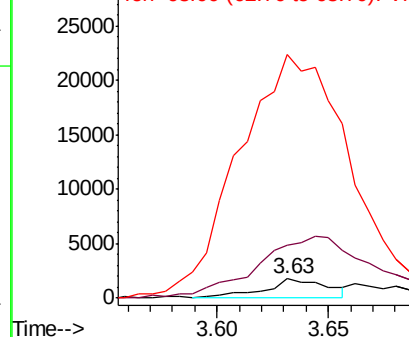
63 1203.4 112.6 209.0#

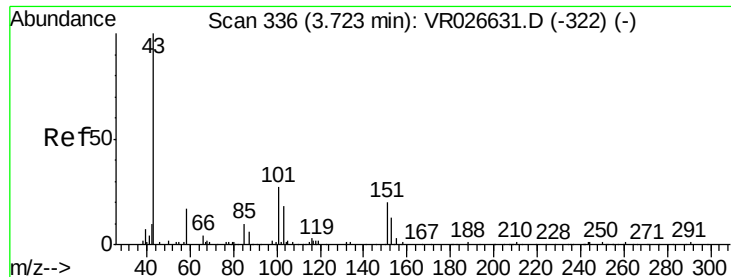


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 3.972 ug/L

RT: 3.74 min Scan# 338

Delta R.T. 0.01 min

Lab File: VR026636.D

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Instrument :

MSVOA_R

ClientSampleId :

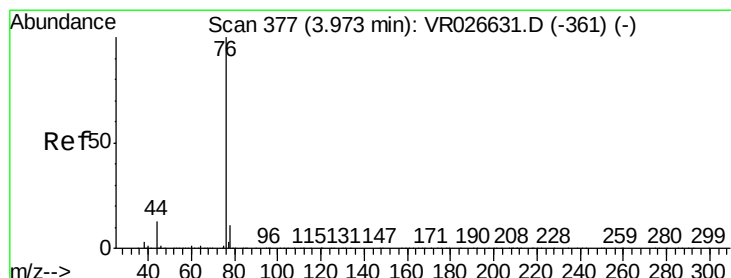
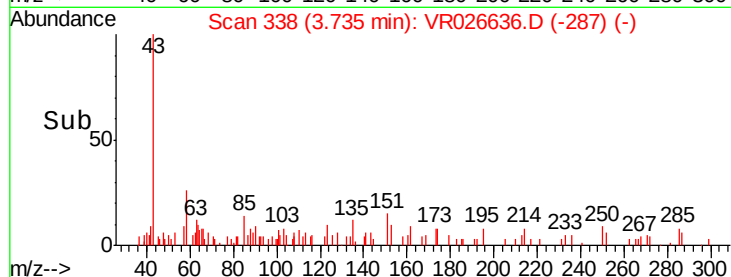
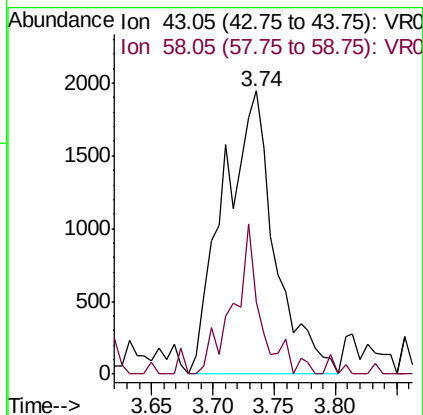
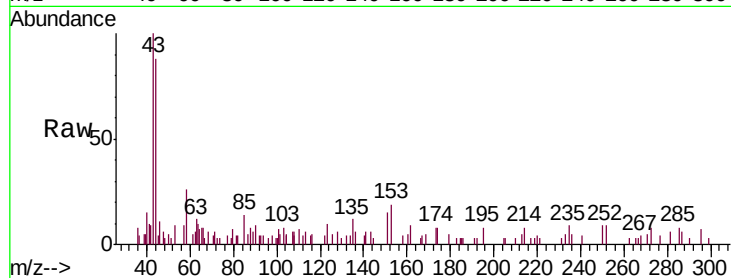
MDL02

Tgt Ion: 43 Resp: 5677

Ion Ratio Lower Upper

43 100

58 28.1 0.0 41.8



#14

Carbon disulfide

Concen: 0.257 ug/L

RT: 3.98 min Scan# 378

Delta R.T. 0.01 min

Lab File: VR026636.D

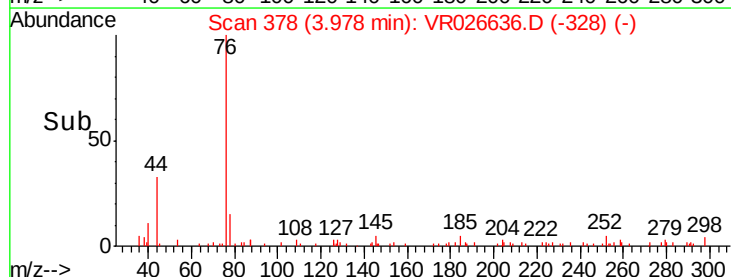
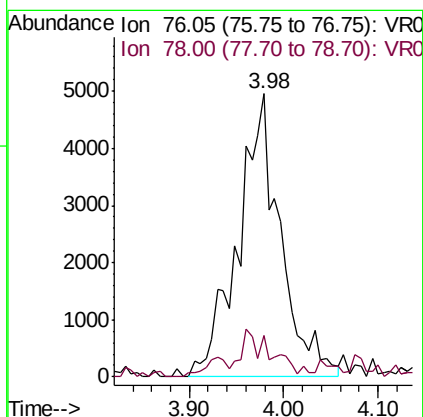
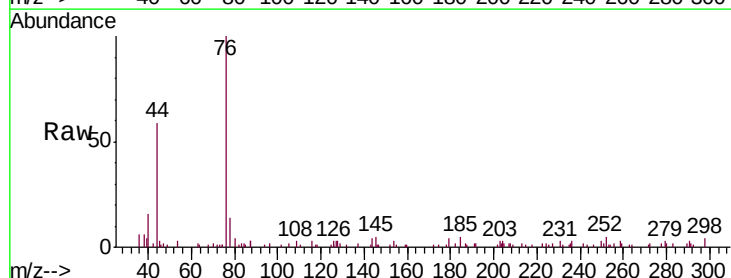
Acq: 13 Sep 2019 17:20

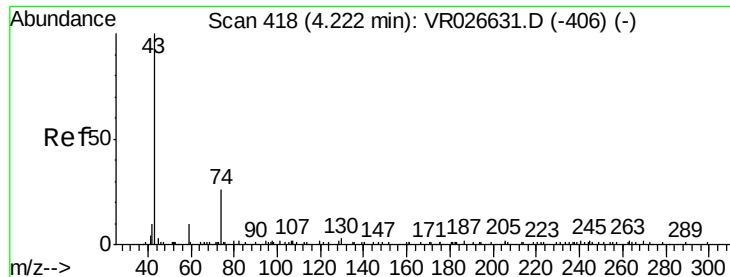
Tgt Ion: 76 Resp: 15469

Ion Ratio Lower Upper

76 100

78 14.4 7.4 11.0#

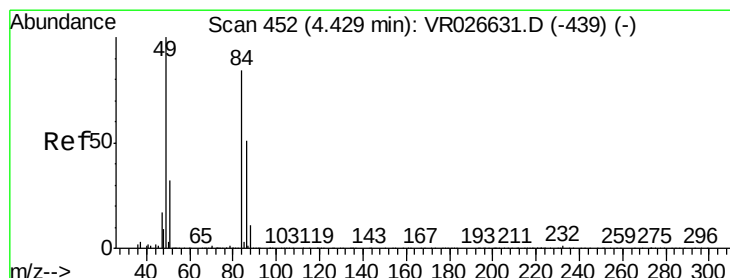
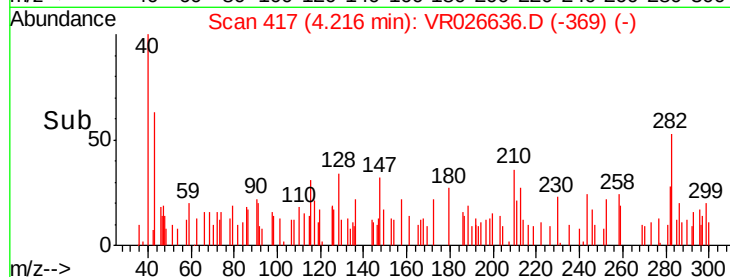
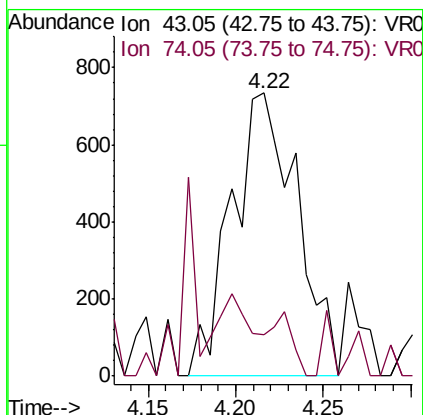
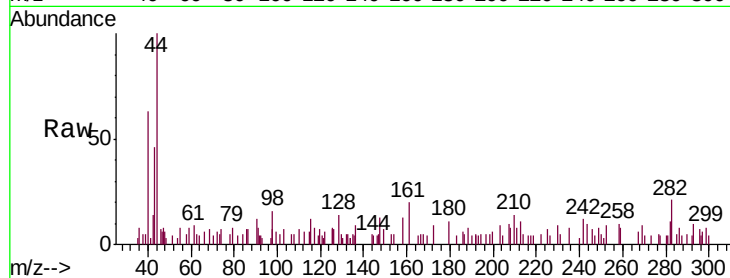




#15
Methyl Acetate
Concen: 0.318 ug/L
RT: 4.22 min Scan# 417
Delta R.T. -0.01 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

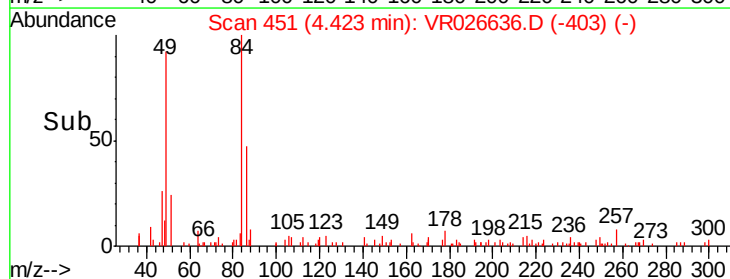
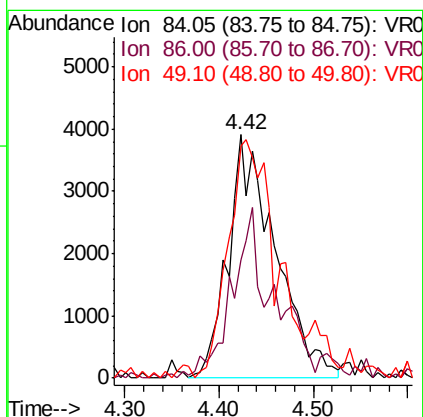
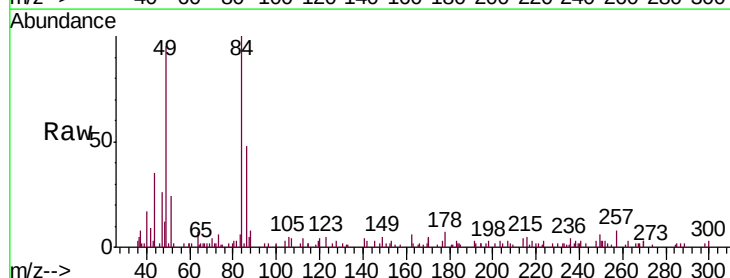
Instrument :
MSVOA_R
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MDL02

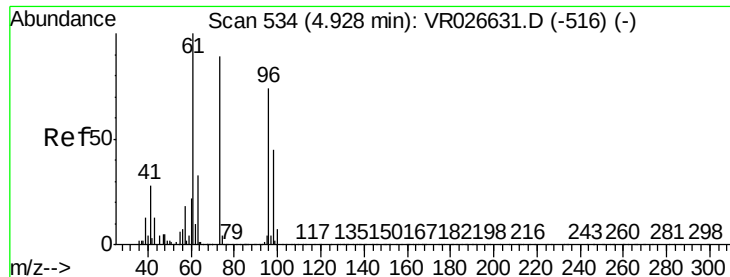
Tgt Ion: 43 Resp: 1906
Ion Ratio Lower Upper
43 100
74 5.0 17.5 26.3#



#16
Methylene chloride
Concen: 0.468 ug/L
RT: 4.42 min Scan# 451
Delta R.T. -0.01 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

Tgt Ion: 84 Resp: 13694
Ion Ratio Lower Upper
84 100
86 48.4 44.2 82.0
49 95.2 82.3 152.9

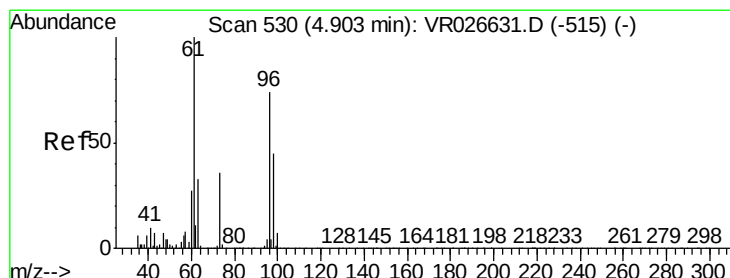
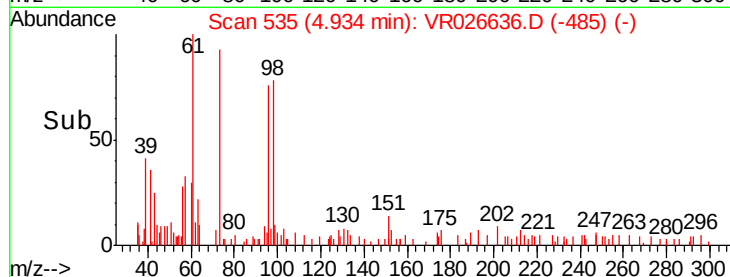
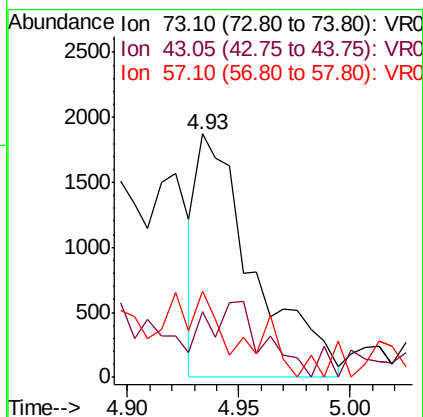
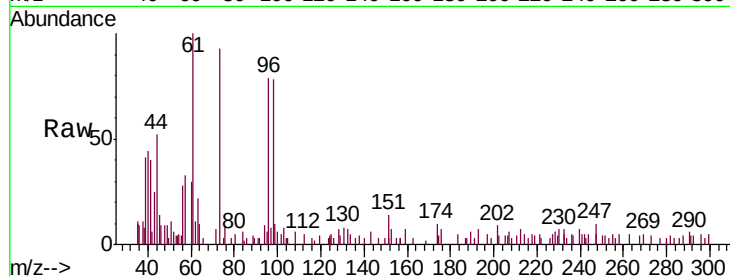




#17
Methyl tert-butyl Ether
Concen: 0.109 ug/L
RT: 4.93 min Scan# 535
Delta R.T. 0.01 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

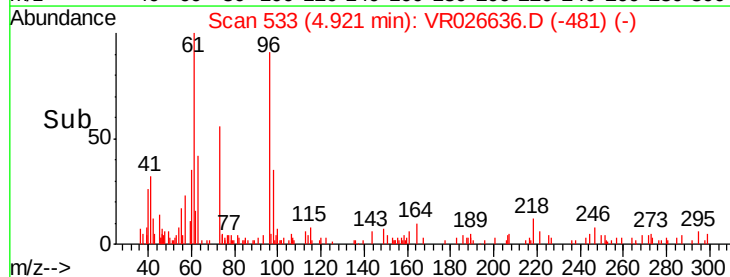
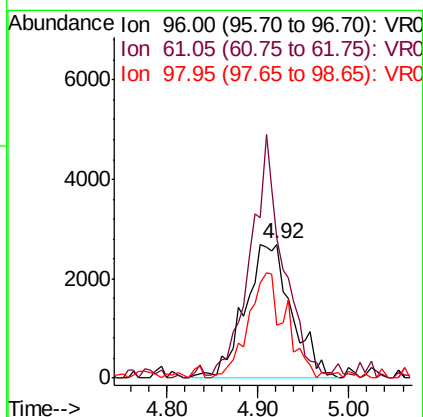
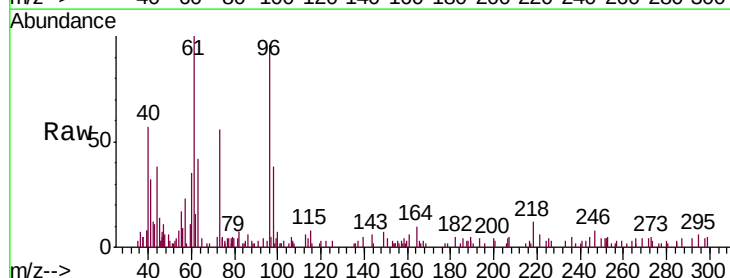
Instrument :
MSVOA_R
ClientSampleId :
MDL02

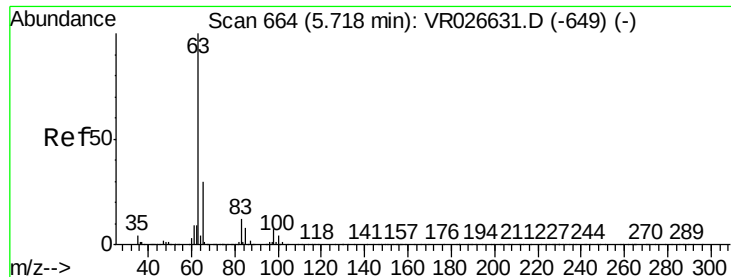
Tgt Ion: 73 Resp: 3305
Ion Ratio Lower Upper
73 100
43 31.0 14.7 22.1#
57 18.6 18.9 28.3#



#18
trans-1,2-Dichloroethene
Concen: 0.327 ug/L
RT: 4.92 min Scan# 533
Delta R.T. 0.02 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

Tgt Ion: 96 Resp: 9610
Ion Ratio Lower Upper
96 100
61 103.9 104.4 194.0#
98 39.9 44.2 82.0#





#19

1,1-Dichloroethane

Concen: 0.318 ug/L

RT: 5.72 min Scan# 664

Delta R.T. -0.00 min

Lab File: VR026636.D

Acq: 13 Sep 2019 17:20

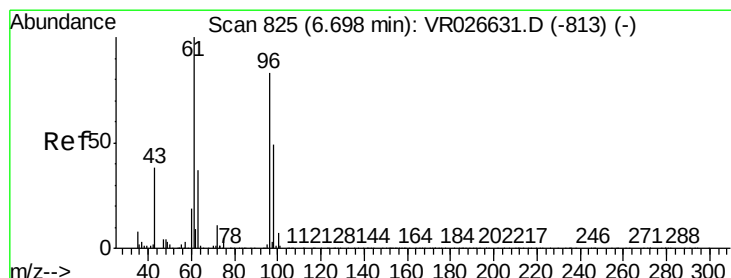
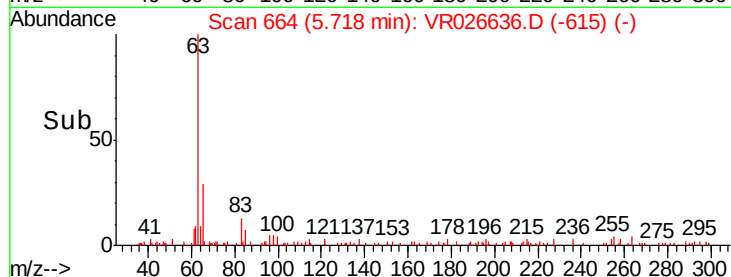
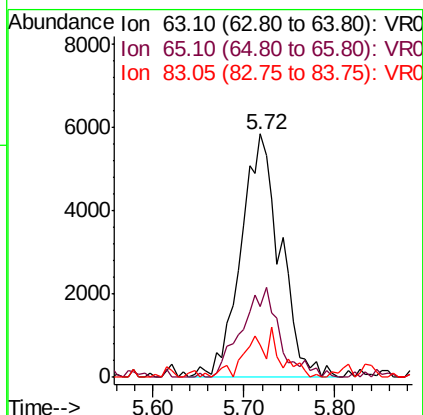
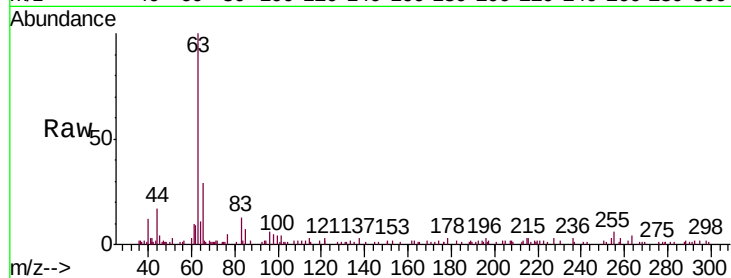
Instrument :

MSVOA_R

ClientSampleId :

MDL02

Tgt Ion:	63	Resp:	17540
Ion	Ratio	Lower	Upper
63	100		
65	31.0	22.5	41.9
83	13.4	8.6	16.0



#22

cis-1,2-Dichloroethene

Concen: 0.295 ug/L

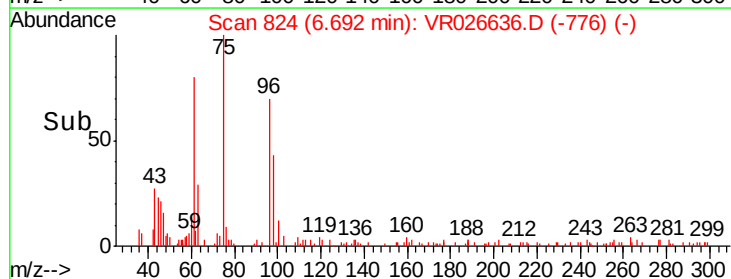
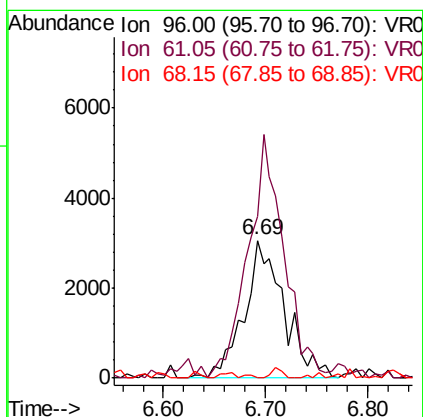
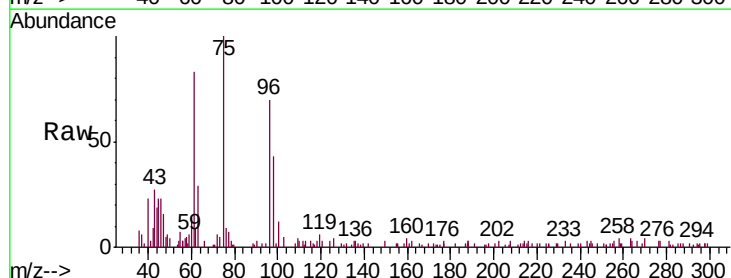
RT: 6.69 min Scan# 824

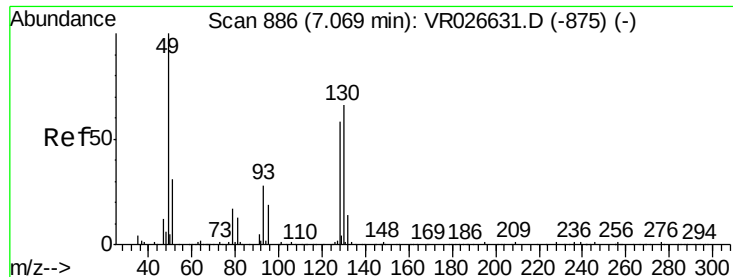
Delta R.T. -0.01 min

Lab File: VR026636.D

Acq: 13 Sep 2019 17:20

Tgt Ion:	96	Resp:	8313
Ion	Ratio	Lower	Upper
96	100		
61	117.4	95.4	177.2
68	0.0	0.0	0.0





#23

Bromochloromethane

Concen: 0.331 ug/L

RT: 7.08 min Scan# 888

Delta R.T. 0.01 min

Lab File: VR026636.D

Acq: 13 Sep 2019 17:20

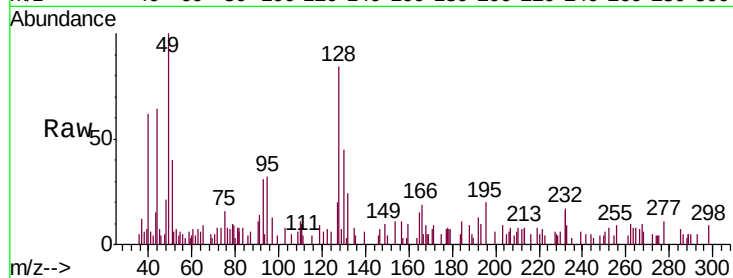
Instrument :

MSVOA_R

ClientSampleID :

MDL02

Tgt Ion:	128	Resp:	2595
Ion	Ratio	Lower	Upper
128	100		
49	118.9	118.6	220.3
130	53.9	80.6	149.6#
51	47.2	41.5	62.3

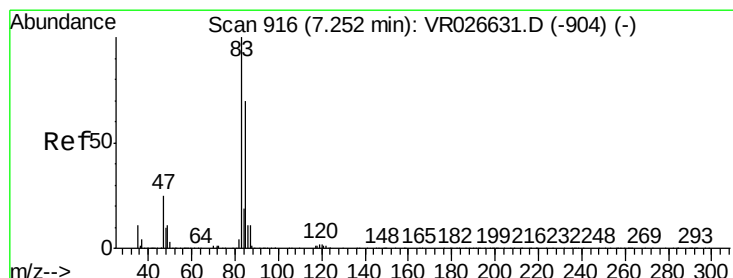
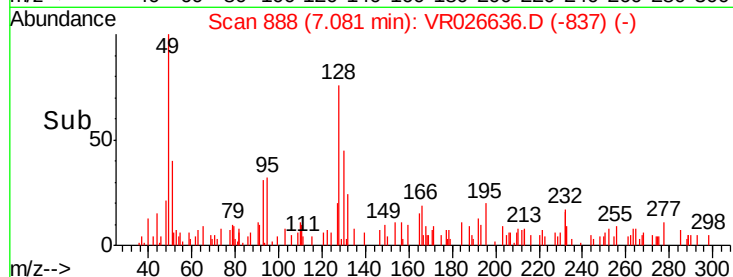
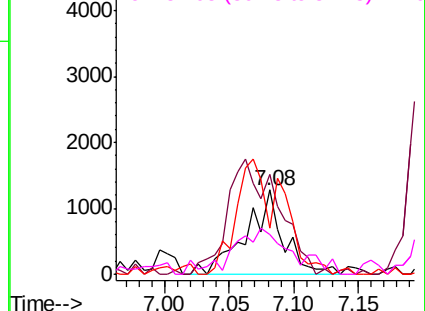


Abundance Ion 127.90 (127.60 to 128.60): V

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: 0.418 ug/L

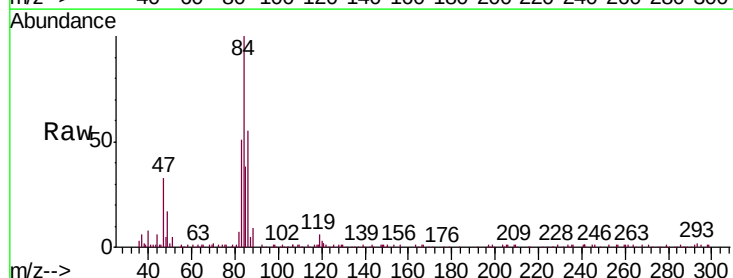
RT: 7.25 min Scan# 916

Delta R.T. -0.00 min

Lab File: VR026636.D

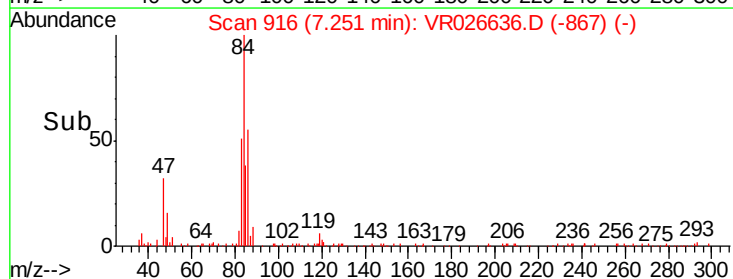
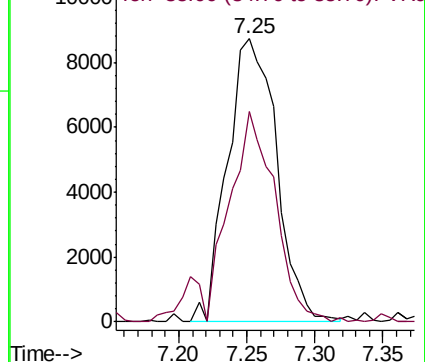
Acq: 13 Sep 2019 17:20

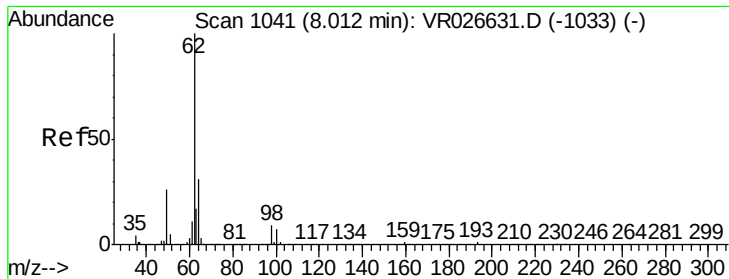
Tgt Ion:	83	Resp:	22068
Ion	Ratio	Lower	Upper
83	100		
85	74.5	44.3	82.3



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

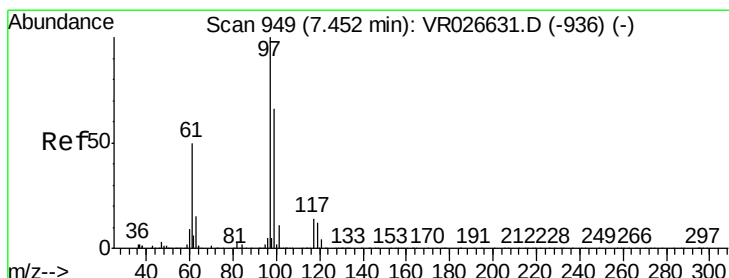
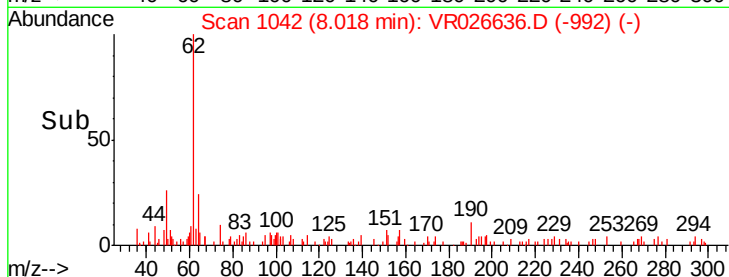
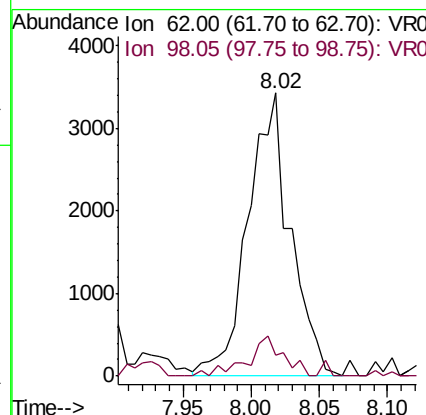
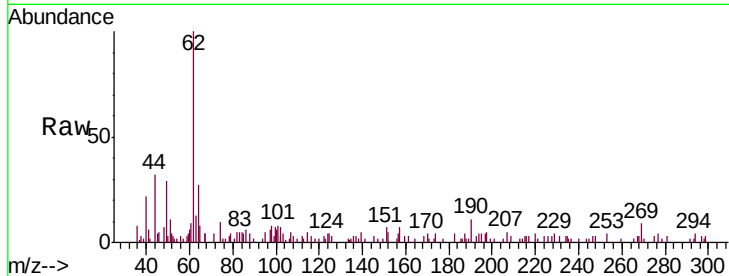




#27
 1,2-Dichloroethane
 Concen: 0.402 ug/L
 RT: 8.02 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VR026636.D
 Acq: 13 Sep 2019 17:20

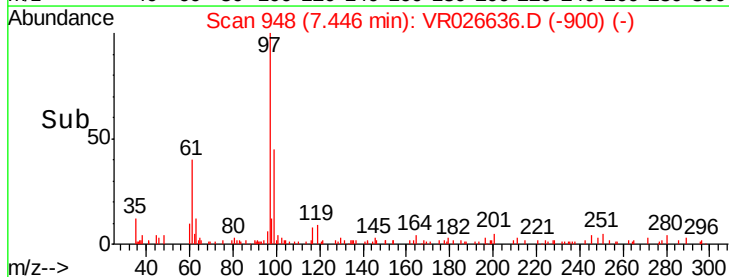
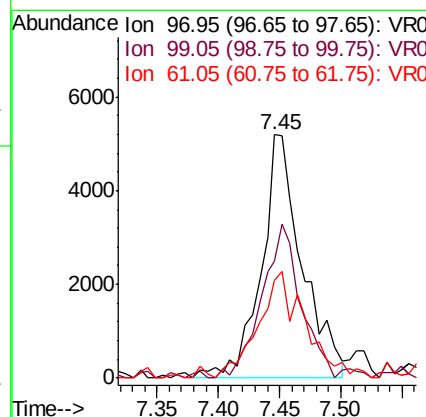
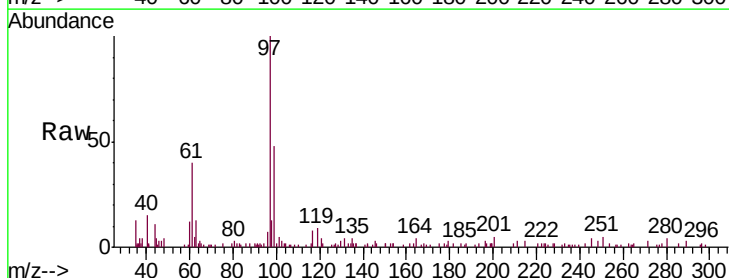
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL02

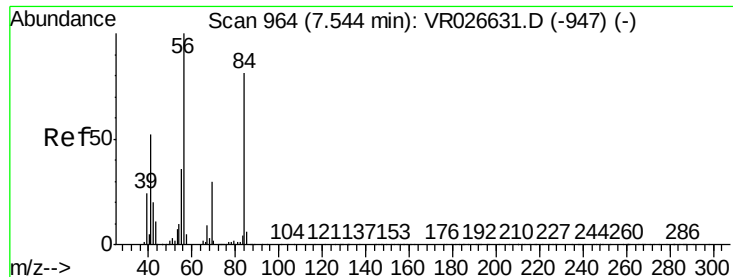
Tgt Ion: 62 Resp: 7466
 Ion Ratio Lower Upper
 62 100
 98 7.6 9.0 13.4#



#29
 1,1,1-Trichloroethane
 Concen: 0.291 ug/L
 RT: 7.45 min Scan# 948
 Delta R.T. -0.01 min
 Lab File: VR026636.D
 Acq: 13 Sep 2019 17:20

Tgt Ion: 97 Resp: 12100
 Ion Ratio Lower Upper
 97 100
 99 59.9 50.1 75.1
 61 50.2 37.8 56.8

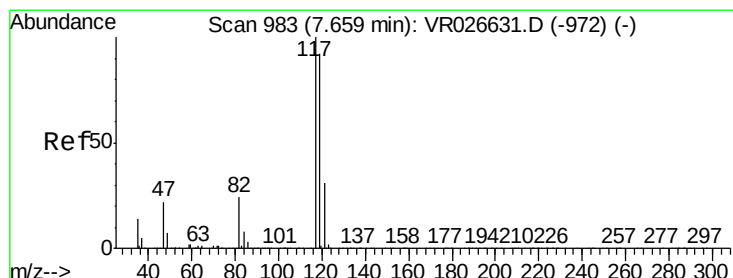
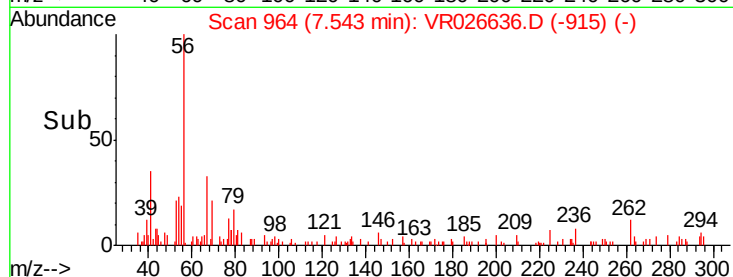
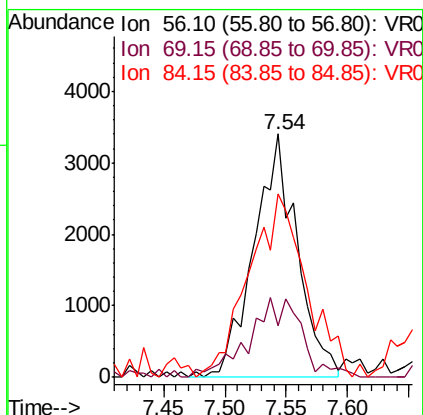
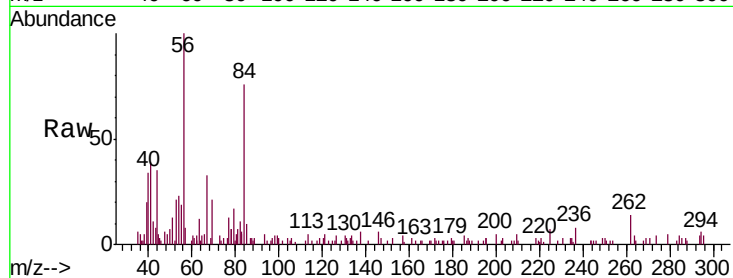




#30
Cyclohexane
Concen: 0.188 ug/L
RT: 7.54 min Scan# 964
Delta R.T. -0.00 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

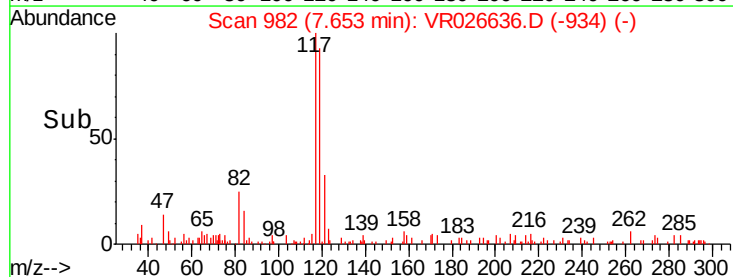
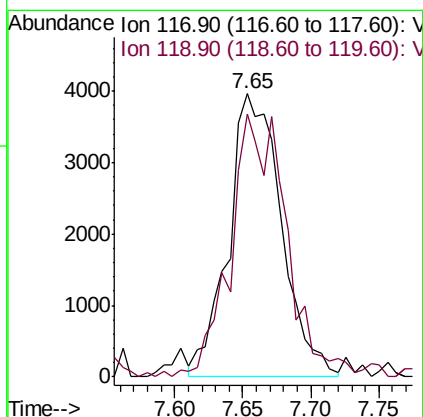
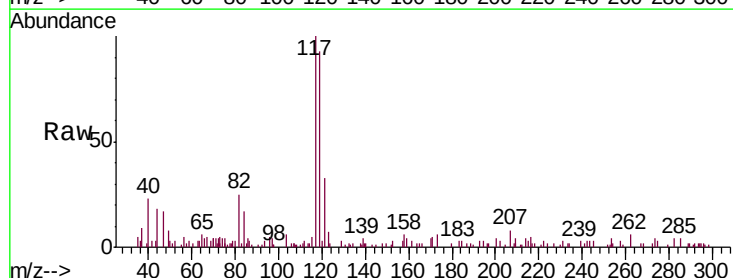
Instrument :
MSVOA_R
ClientSampleId :
MDL02

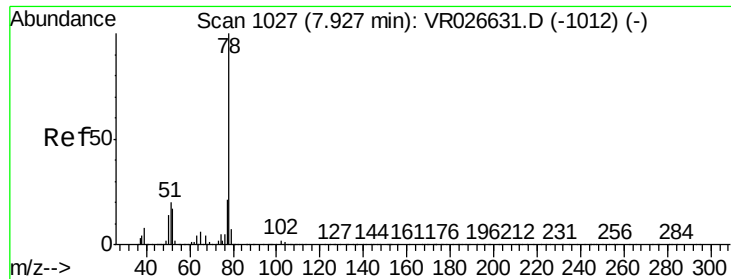
Tgt Ion: 56 Resp: 8316
Ion Ratio Lower Upper
56 100
69 23.6 25.9 38.9#
84 99.6 67.6 101.4



#31
Carbon tetrachloride
Concen: 0.305 ug/L
RT: 7.65 min Scan# 982
Delta R.T. -0.01 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

Tgt Ion: 117 Resp: 10736
Ion Ratio Lower Upper
117 100
119 97.4 76.6 115.0





#33

Benzene

Concen: 0.337 ug/L

RT: 7.93 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VR026636.D

Acq: 13 Sep 2019 17:20

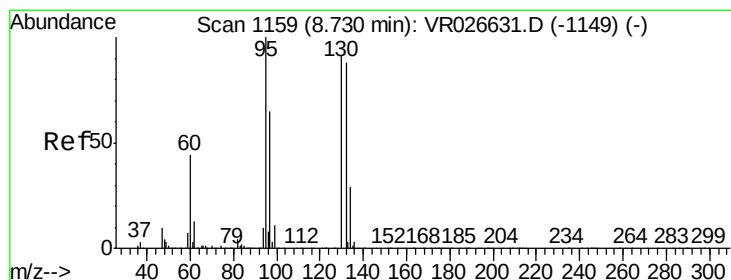
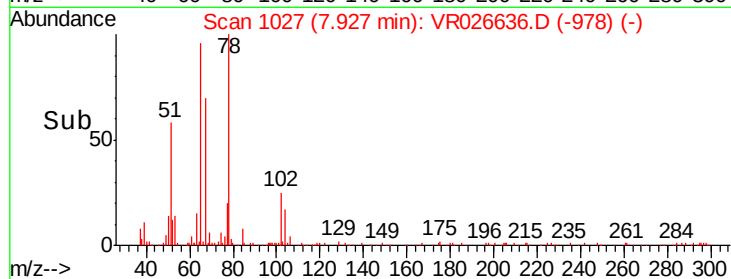
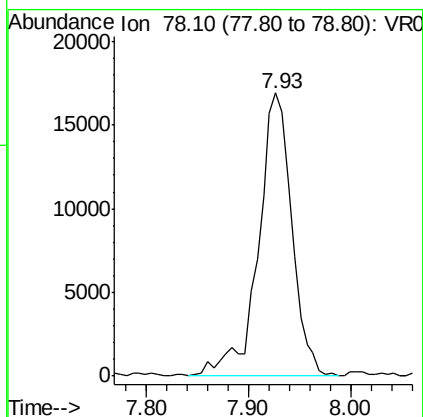
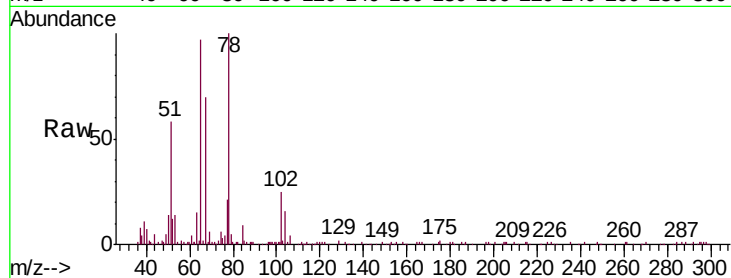
Instrument :

MSVOA_R

ClientSampled :

MDL02

Tgt Ion: 78 Resp: 38598



#34

Trichloroethene

Concen: 0.299 ug/L

RT: 8.73 min Scan# 1159

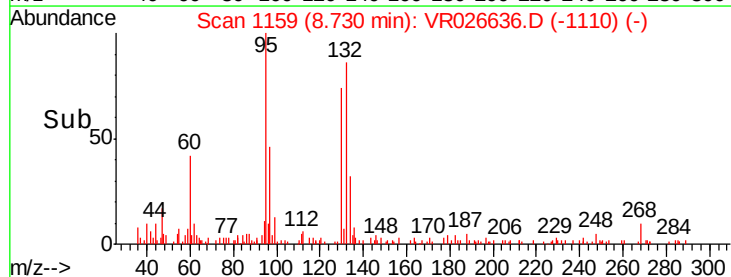
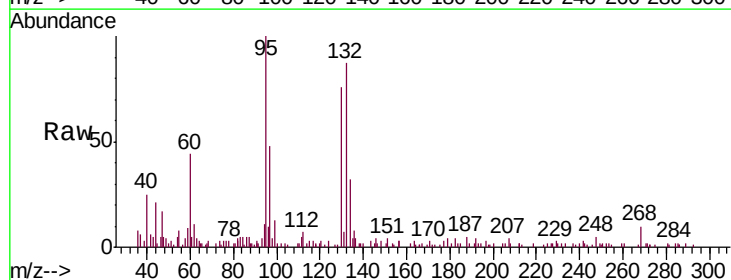
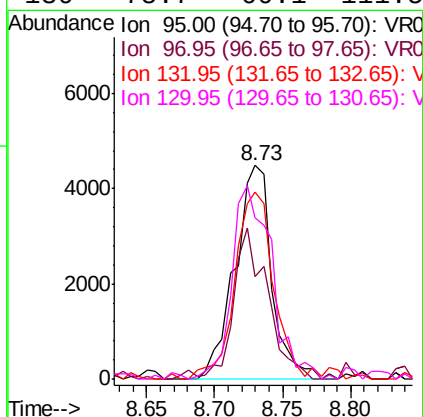
Delta R.T. -0.00 min

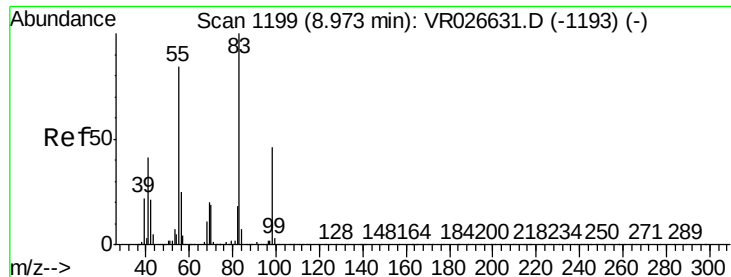
Lab File: VR026636.D

Acq: 13 Sep 2019 17:20

Tgt Ion: 95 Resp: 8515

Ion	Ratio	Lower	Upper
95	100		
97	48.0	45.6	84.6
132	87.4	57.3	106.5
130	75.7	60.1	111.5

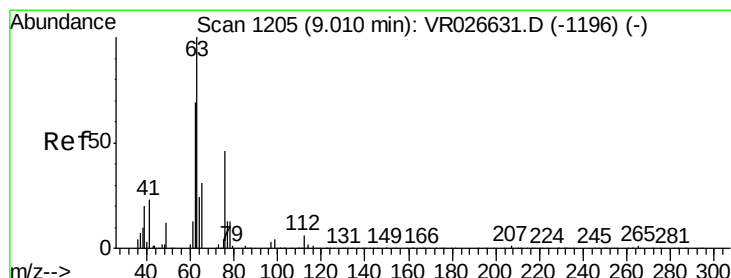
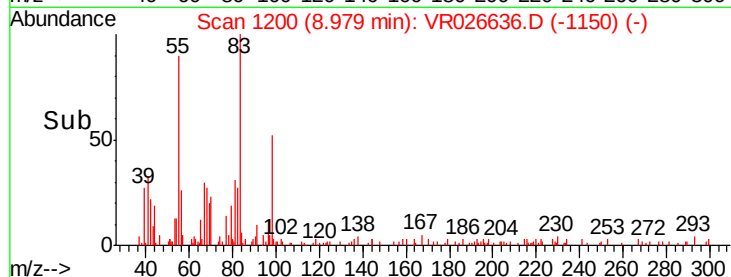
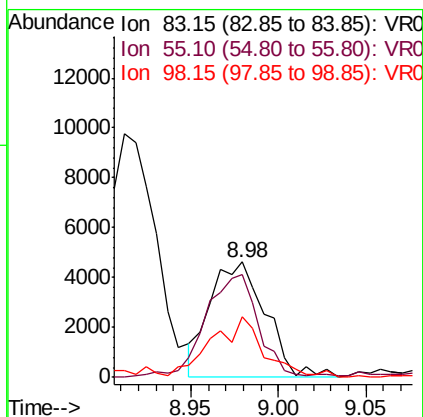
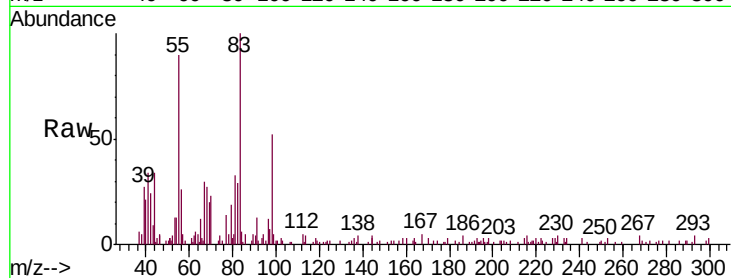




#35
Methylcyclohexane
Concen: 0.239 ug/L
RT: 8.98 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

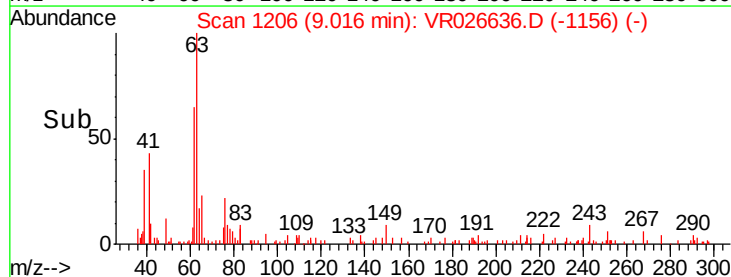
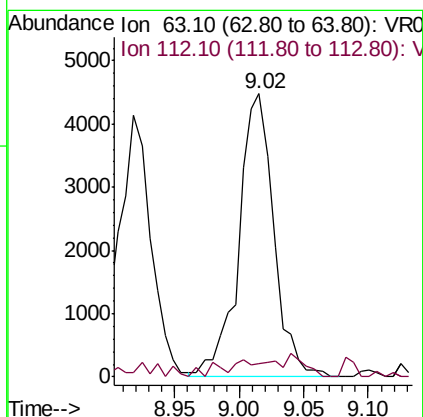
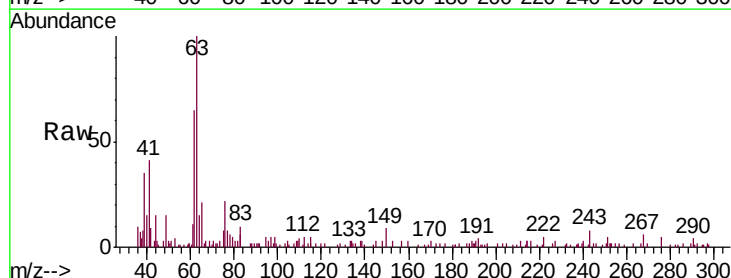
Instrument :
MSVOA_R
ClientSampleId :
MDL02

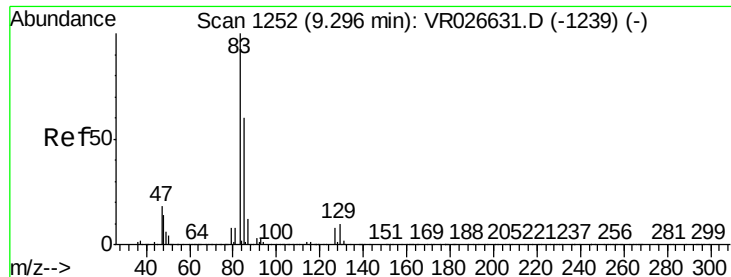
Tgt Ion: 83 Resp: 10247
Ion Ratio Lower Upper
83 100
55 84.8 63.5 95.3
98 49.4 35.4 53.0



#37
1,2-Dichloropropane
Concen: 0.363 ug/L
RT: 9.02 min Scan# 1206
Delta R.T. 0.01 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

Tgt Ion: 63 Resp: 8396
Ion Ratio Lower Upper
63 100
112 2.5 3.1 4.7#





#38

Bromodichloromethane

Concen: 0.315 ug/L

RT: 9.30 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VR026636.D

Acq: 13 Sep 2019 17:20

Instrument :

MSVOA_R

ClientSampleId :

MDL02

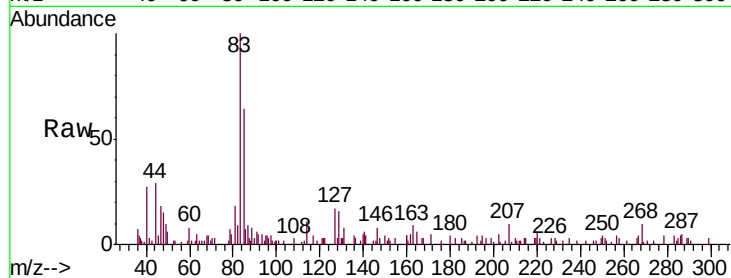
Tgt Ion: 83 Resp: 7744

Ion Ratio Lower Upper

83 100

85 64.2 44.0 81.8

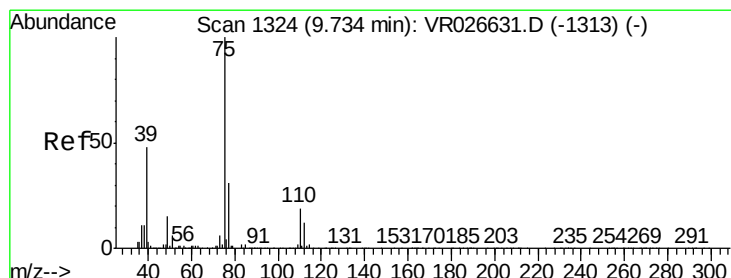
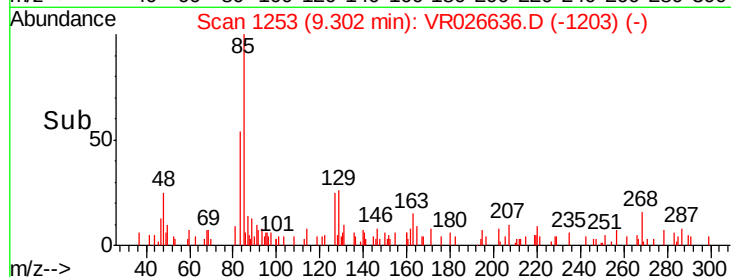
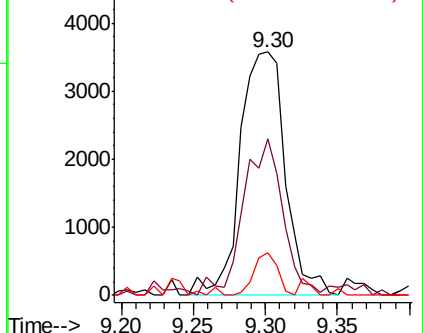
127 17.4 6.4 9.6#



Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V



#39

cis-1,3-Dichloropropene

Concen: 0.322 ug/L

RT: 9.74 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VR026636.D

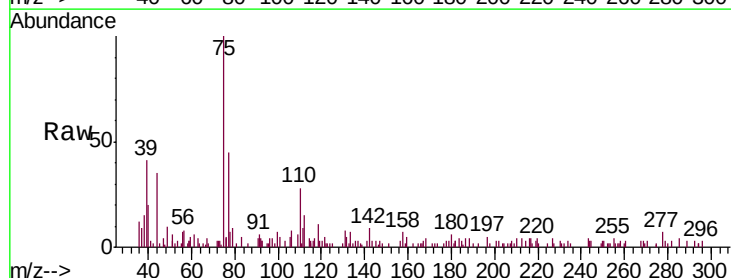
Acq: 13 Sep 2019 17:20

Tgt Ion: 75 Resp: 7902

Ion Ratio Lower Upper

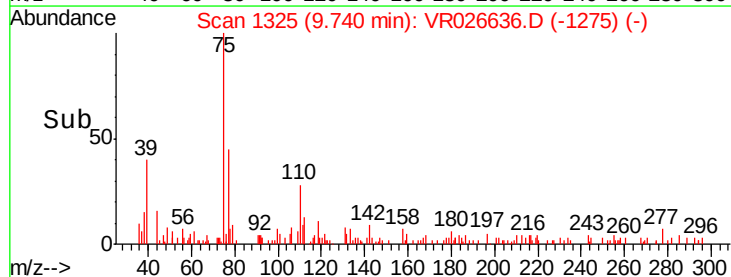
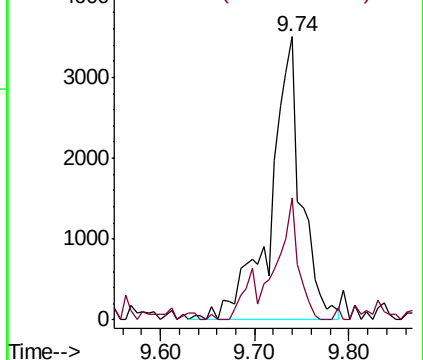
75 100

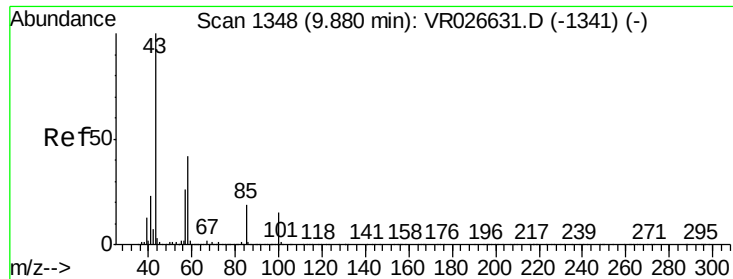
77 43.0 21.8 40.6#



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

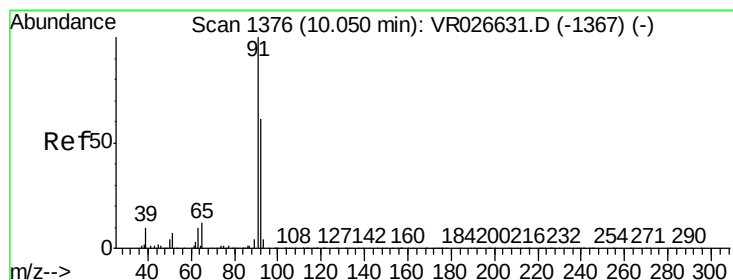
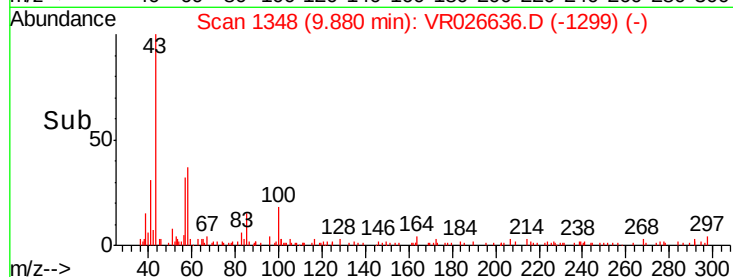
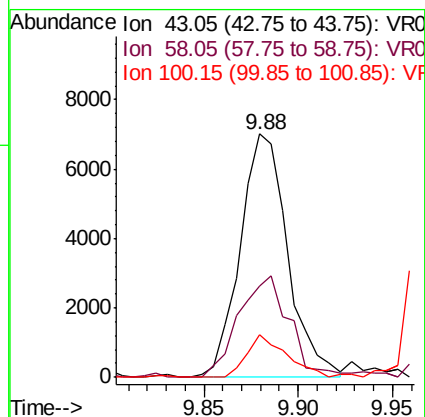
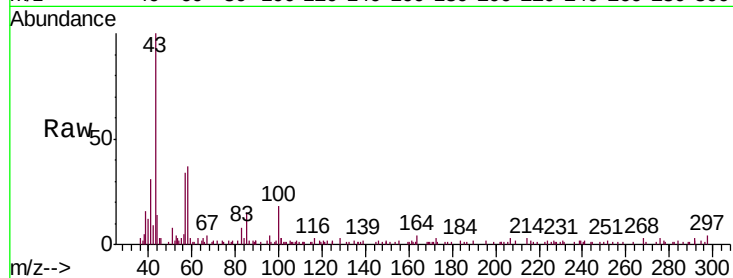




#40
4-Methyl-2-pentanone
Concen: 2.117 ug/L
RT: 9.88 min Scan# 1348
Delta R.T. -0.00 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

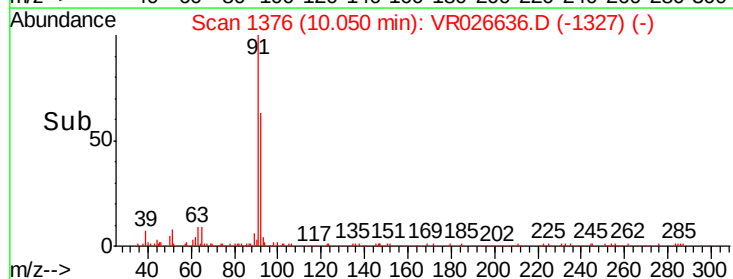
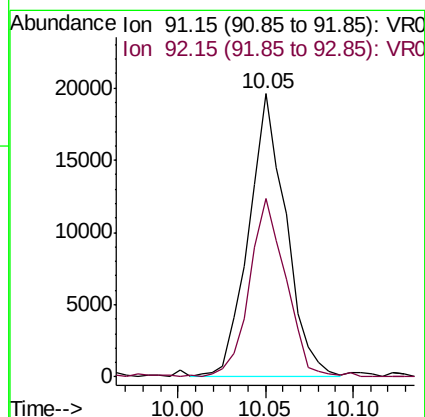
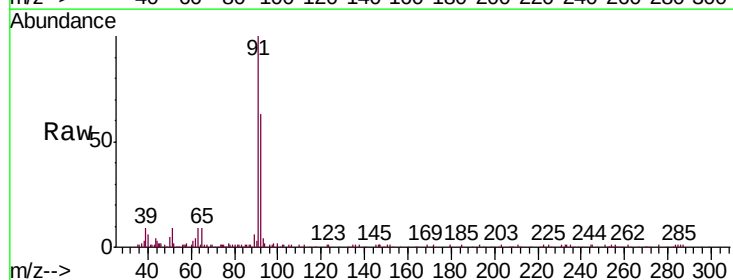
Instrument :
MSVOA_R
ClientSampleId :
MDL02

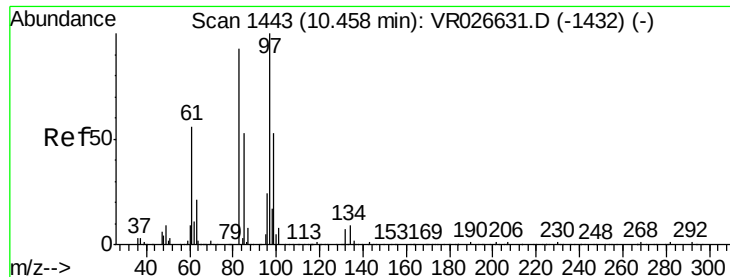
Tgt Ion: 43 Resp: 12258
Ion Ratio Lower Upper
43 100
58 44.4 32.6 48.8
100 0.0 11.7 17.5#



#42
Toluene
Concen: 0.291 ug/L
RT: 10.05 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

Tgt Ion: 91 Resp: 29097
Ion Ratio Lower Upper
91 100
92 63.0 40.8 75.8

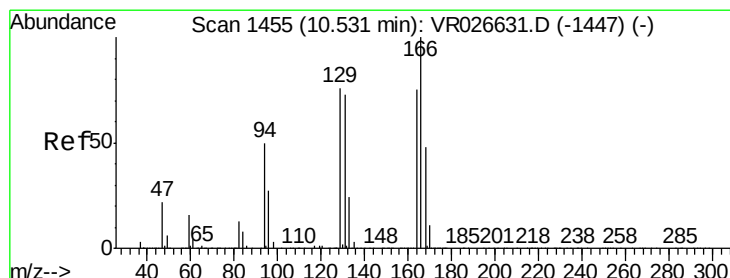
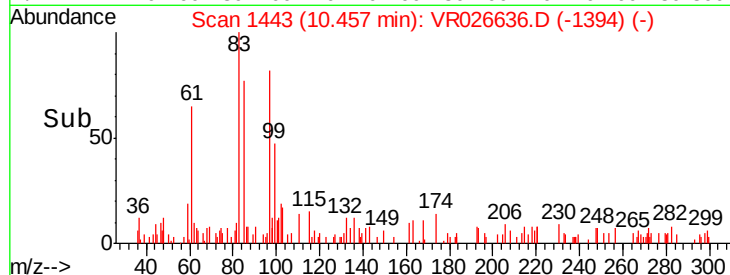
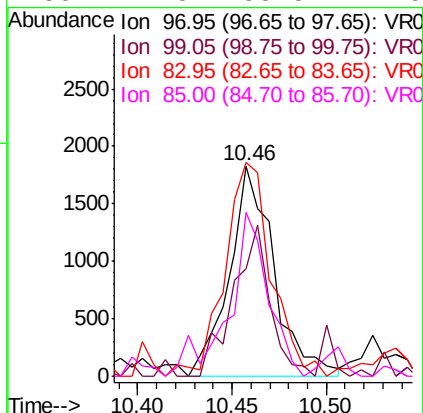
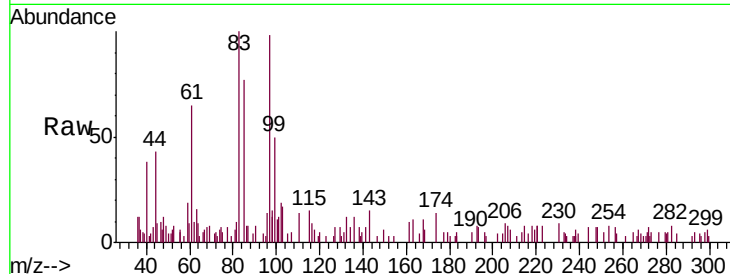




#45
1,1,2-Trichloroethane
Concen: 0.305 ug/L
RT: 10.46 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

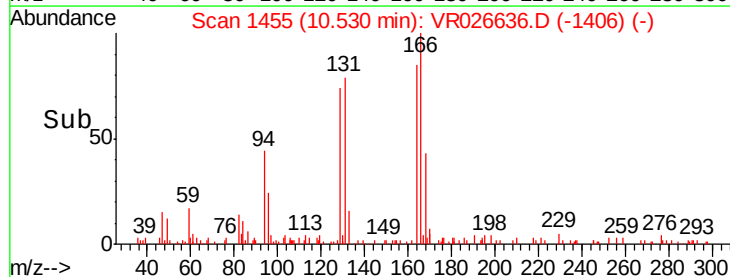
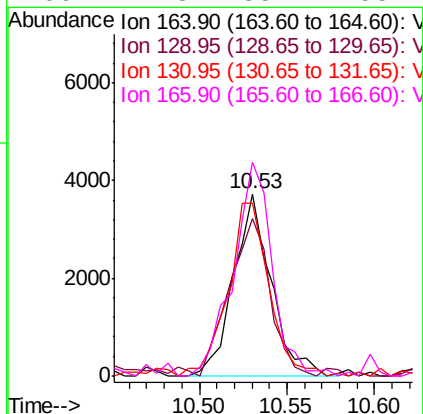
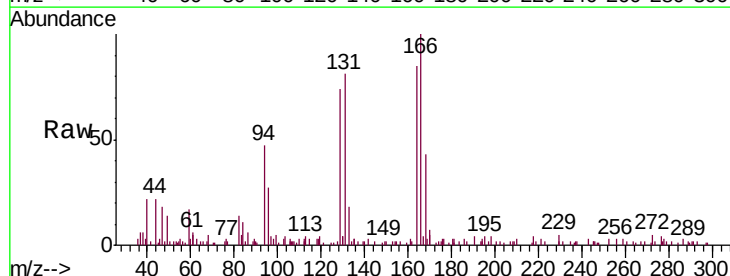
Instrument :
MSVOA_R
ClientSampleId :
MDL02

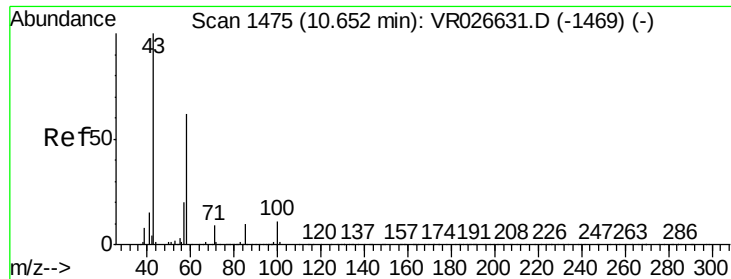
Tgt Ion:	97	Resp:	3001
Ion	Ratio	Lower	Upper
97	100		
99	51.1	45.6	84.6
83	101.6	64.5	119.9
85	77.8	38.5	71.5#



#47
Tetrachloroethene
Concen: 0.331 ug/L
RT: 10.53 min Scan# 1455
Delta R.T. -0.00 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

Tgt Ion:	164	Resp:	5578
Ion	Ratio	Lower	Upper
164	100		
129	86.4	74.8	139.0
131	94.8	69.1	128.3
166	117.3	85.2	158.2

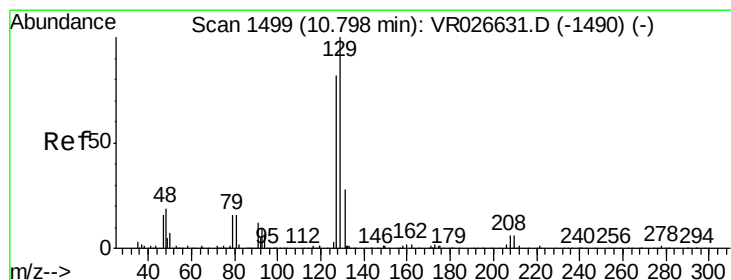
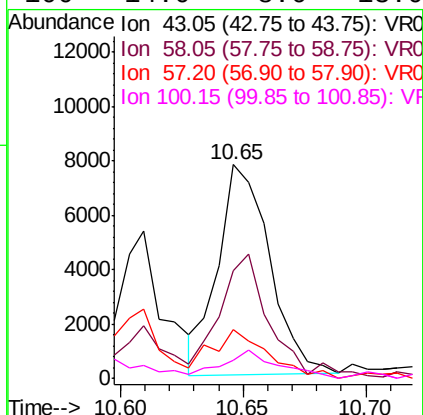
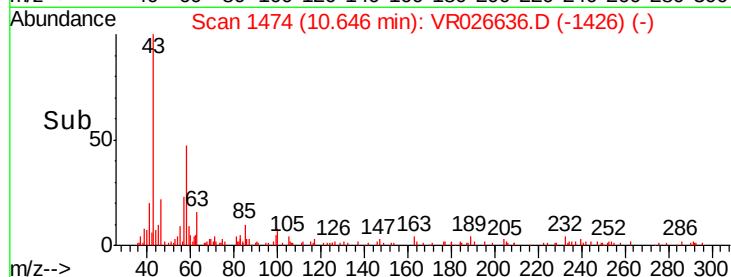
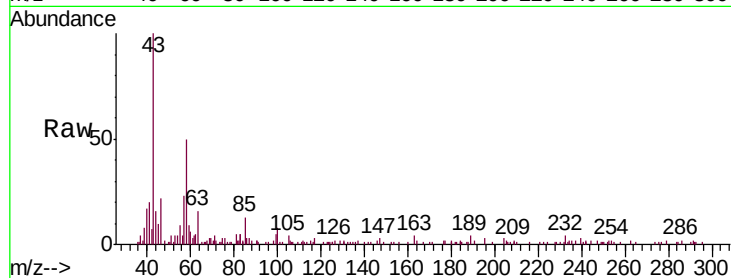




#48
2-Hexanone
Concen: 3.092 ug/L
RT: 10.65 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

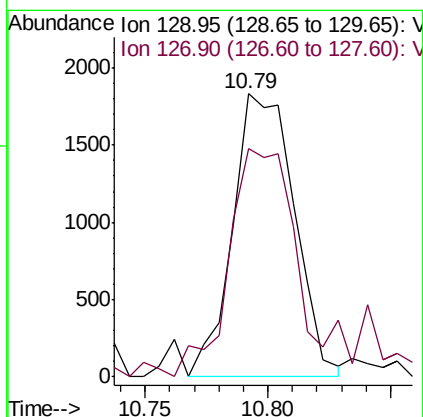
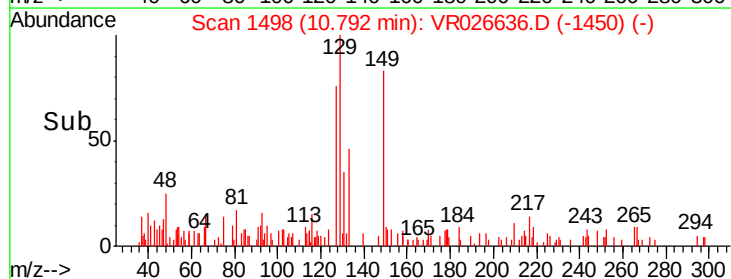
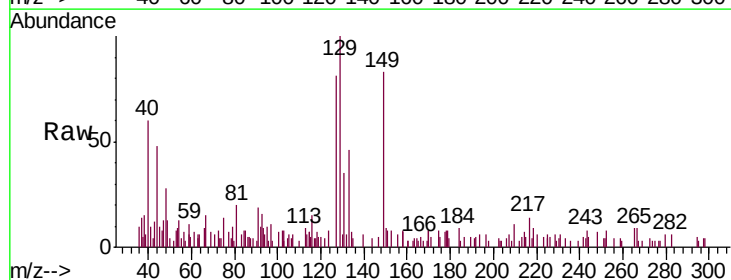
Instrument :
MSVOA_R
ClientSampleId :
MDL02

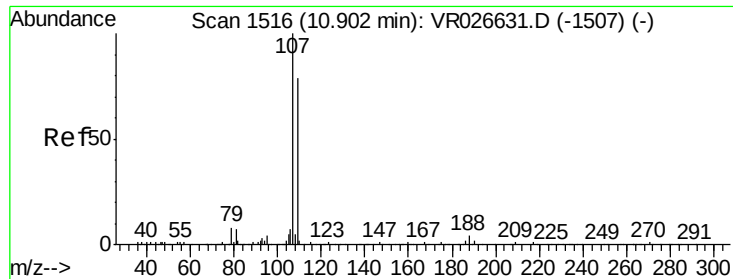
Tgt Ion:	43	Resp:	11381
Ion	Ratio	Lower	Upper
43	100		
58	58.3	46.4	69.6
57	25.4	16.7	25.1#
100	14.0	8.6	13.0#



#49
Dibromochloromethane
Concen: 0.299 ug/L
RT: 10.79 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

Tgt Ion:	129	Resp:	3209
Ion	Ratio	Lower	Upper
129	100		
127	80.6	57.0	105.9

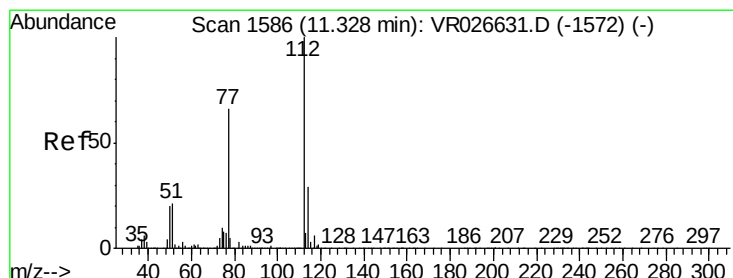
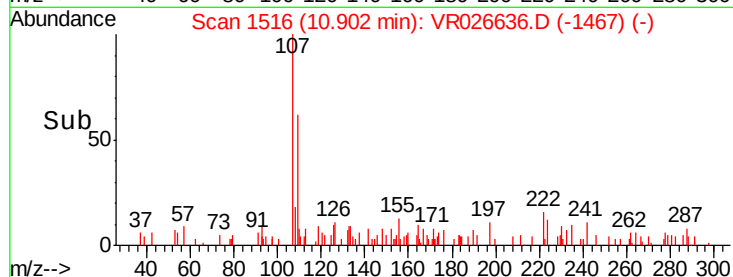
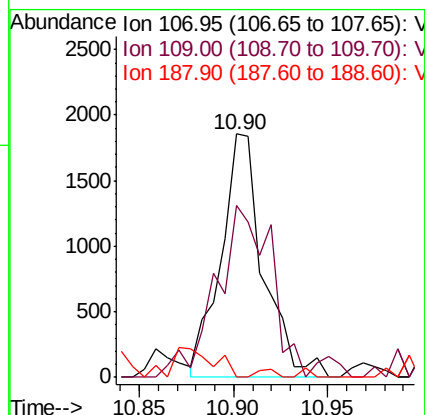
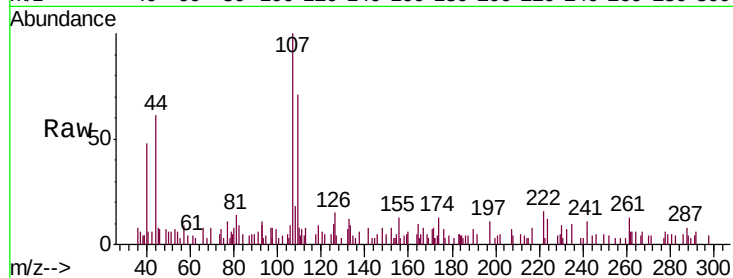




#50
1,2-Dibromoethane
Concen: 0.339 ug/L
RT: 10.90 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

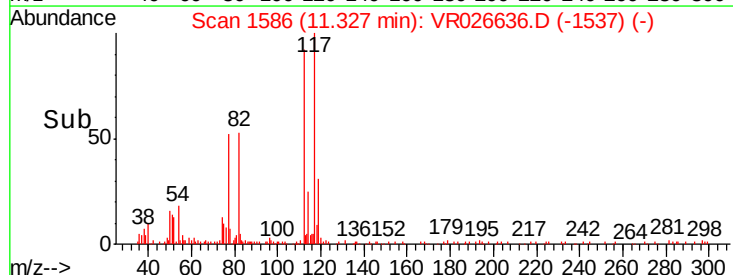
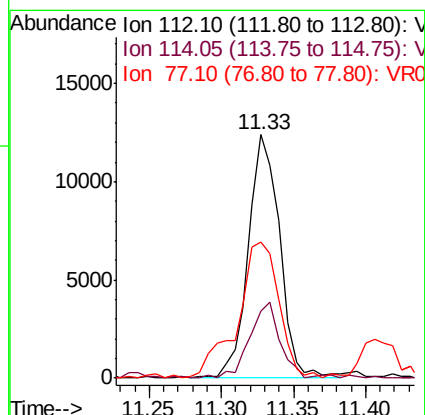
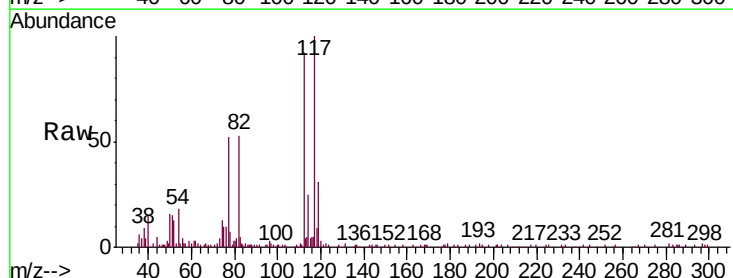
Instrument :
MSVOA_R
ClientSampled :
MDL02

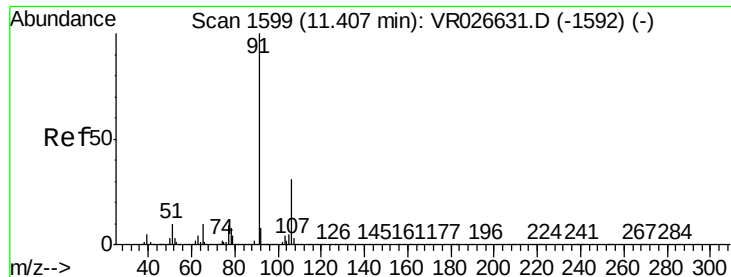
Tgt Ion:107 Resp: 2898
Ion Ratio Lower Upper
107 100
109 70.9 67.2 124.8
188 0.0 1.8 2.8#



#51
Chlorobenzene
Concen: 0.321 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

Tgt Ion:112 Resp: 18630
Ion Ratio Lower Upper
112 100
114 26.3 22.7 42.1
77 53.4 54.0 81.0#





#52

Ethylbenzene

Concen: 0.250 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VR026636.D

Acq: 13 Sep 2019 17:20

Instrument :

MSVOA_R

ClientSampleId :

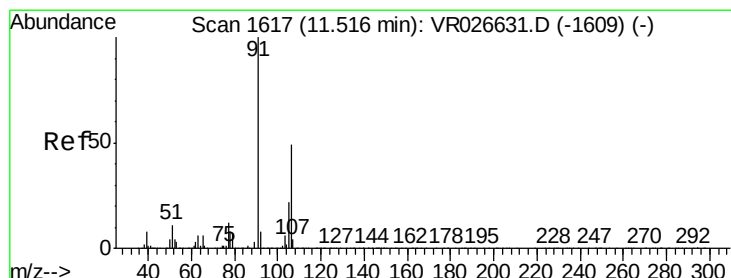
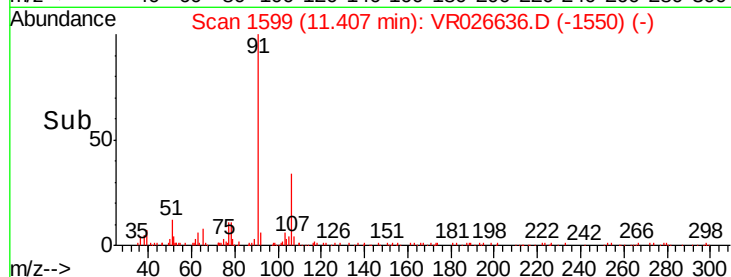
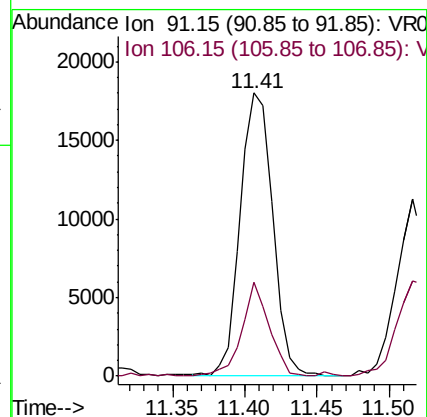
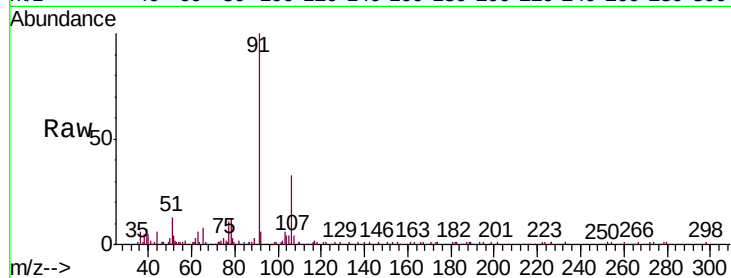
MDL02

Tgt Ion: 91 Resp: 28389

Ion Ratio Lower Upper

91 100

106 33.2 21.0 39.0



#53

m,p-Xylene

Concen: 0.258 ug/L

RT: 11.52 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VR026636.D

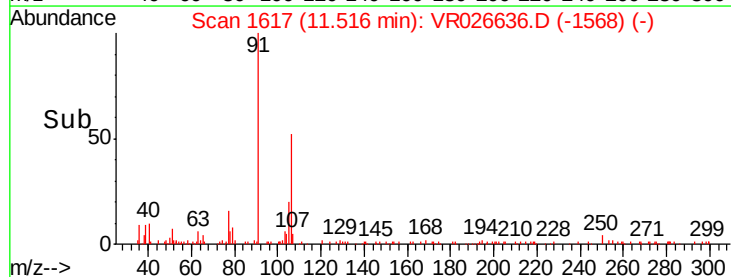
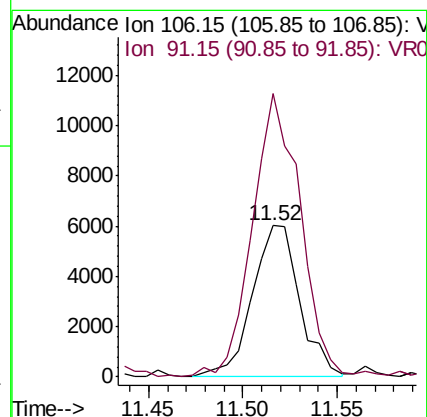
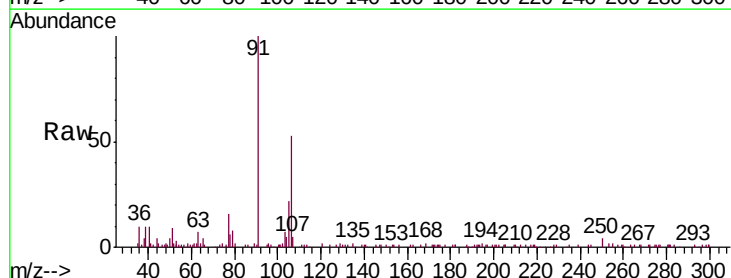
Acq: 13 Sep 2019 17:20

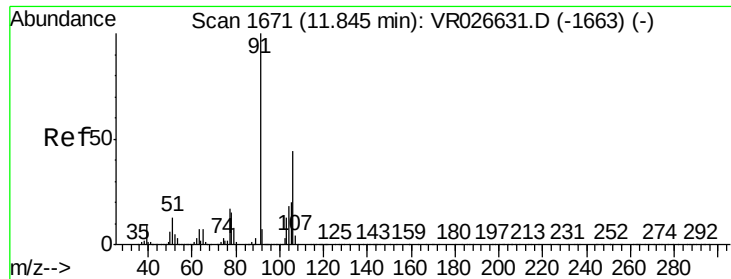
Tgt Ion: 106 Resp: 10472

Ion Ratio Lower Upper

106 100

91 187.0 146.5 272.1

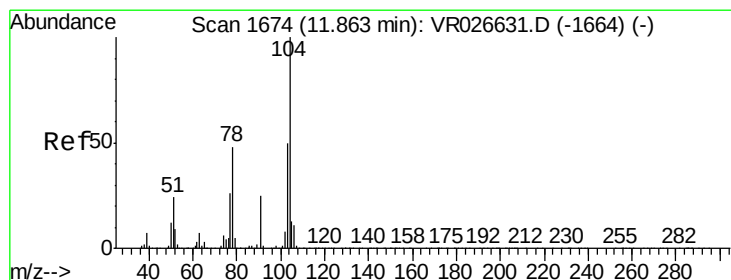
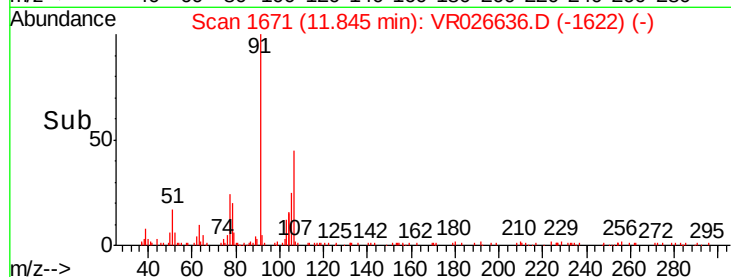
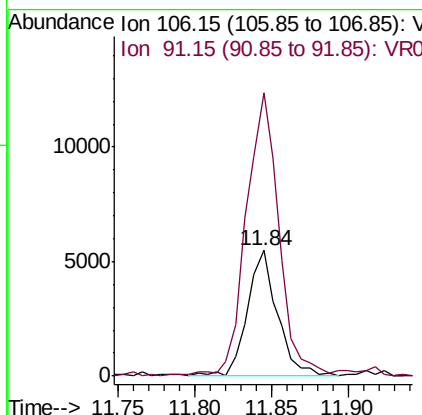
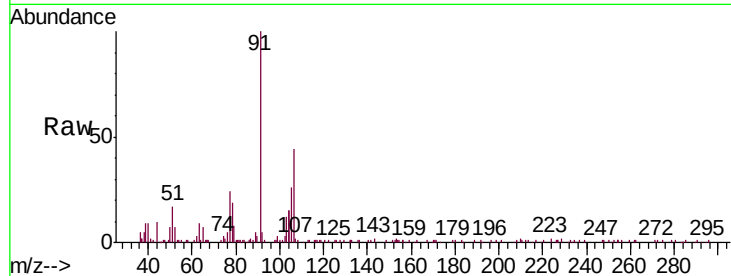




#54
o-Xylene
Concen: 0.187 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

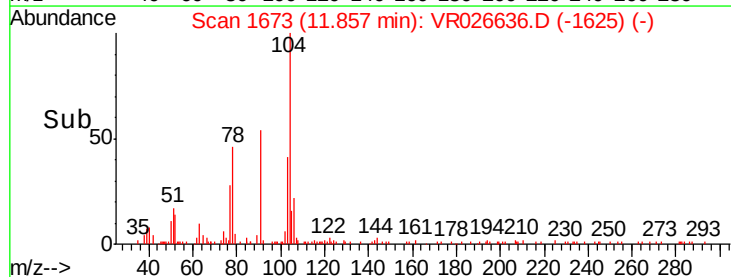
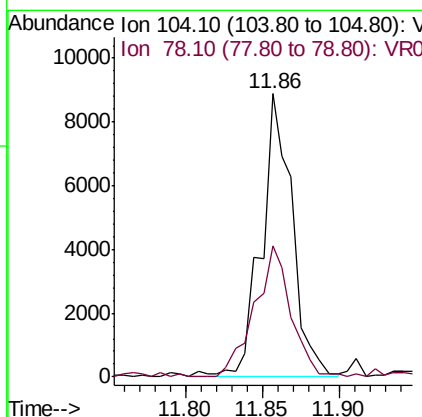
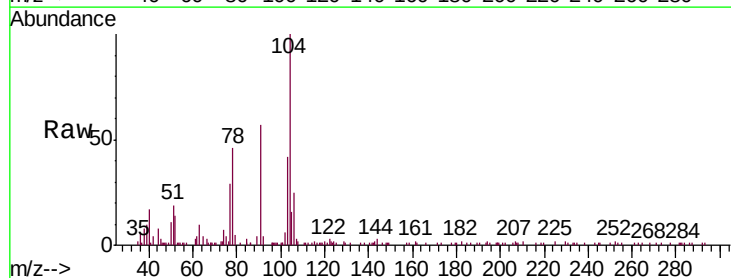
Instrument :
MSVOA_R
ClientSampled :
MDL02

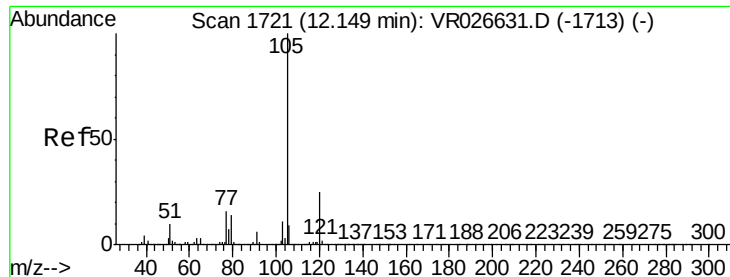
Tgt Ion:106 Resp: 7500
Ion Ratio Lower Upper
106 100
91 224.9 154.3 286.5



#55
Styrene
Concen: 0.218 ug/L
RT: 11.86 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VR026636.D
Acq: 13 Sep 2019 17:20

Tgt Ion:104 Resp: 12514
Ion Ratio Lower Upper
104 100
78 46.3 32.5 60.3





#56

Isopropylbenzene

Concen: 0.202 ug/L

RT: 12.14 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VR026636.D

Acq: 13 Sep 2019 17:20

Instrument :

MSVOA_R

ClientSampleId :

MDL02

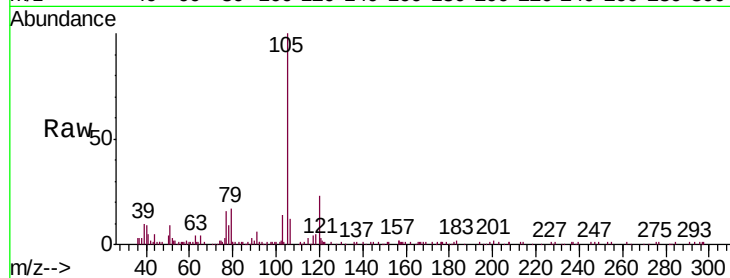
Tgt Ion: 105 Resp: 22804

Ion Ratio Lower Upper

105 100

120 26.5 20.7 31.1

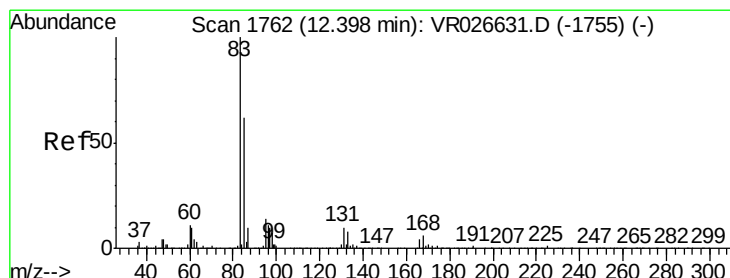
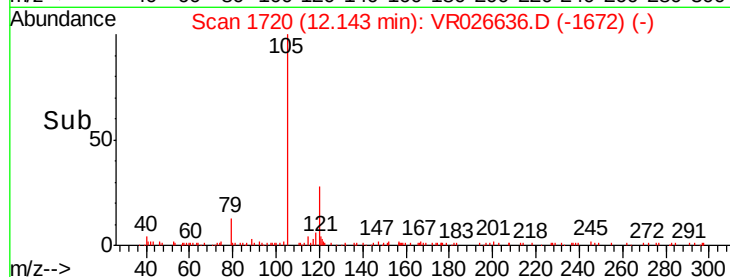
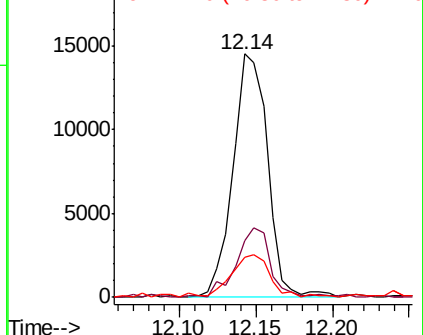
77 19.6 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 0.350 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VR026636.D

Acq: 13 Sep 2019 17:20

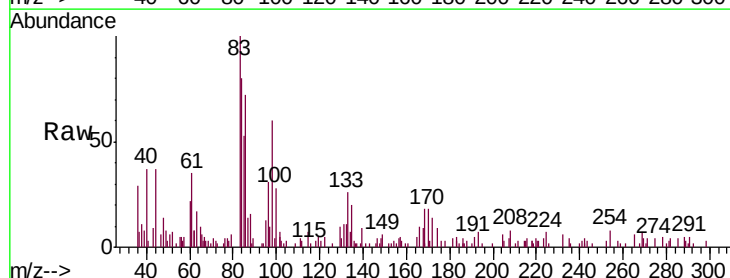
Tgt Ion: 83 Resp: 4000

Ion Ratio Lower Upper

83 100

85 53.0 46.1 85.7

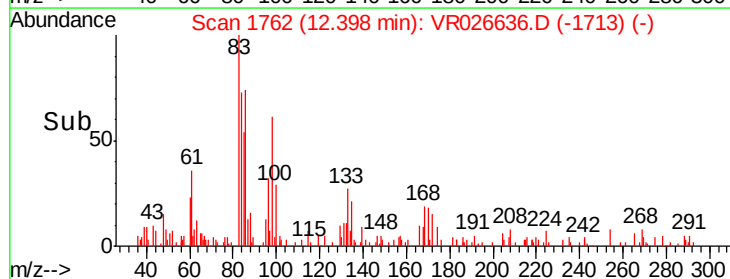
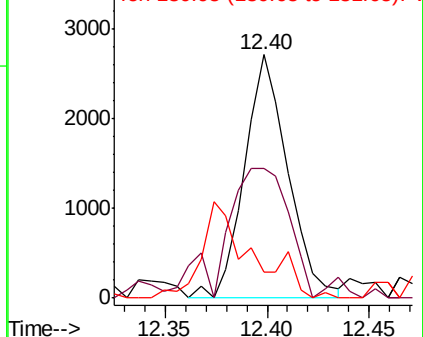
131 10.5 6.8 10.2#

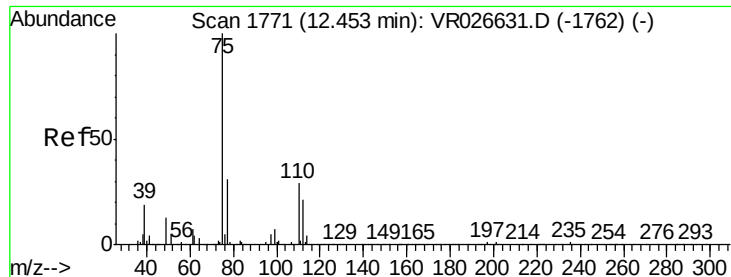


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.341 ug/L

RT: 12.45 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VR026636.D

Acq: 13 Sep 2019 17:20

Instrument :

MSVOA_R

ClientSampled :

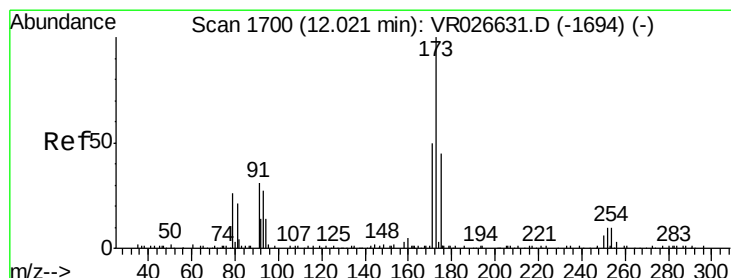
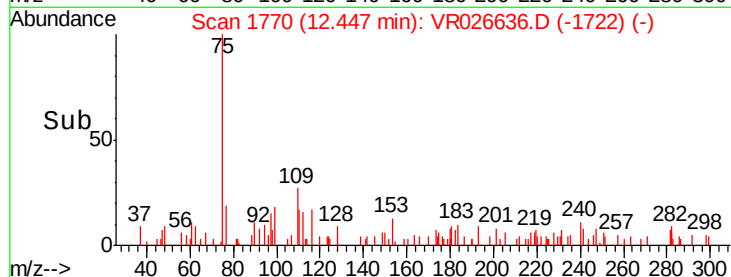
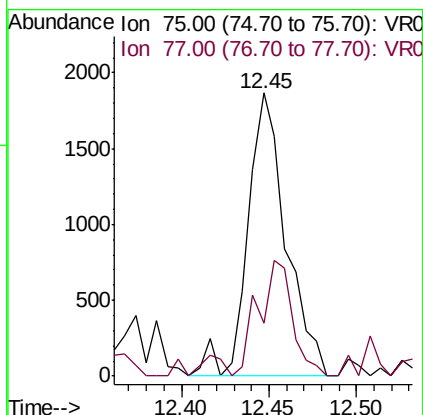
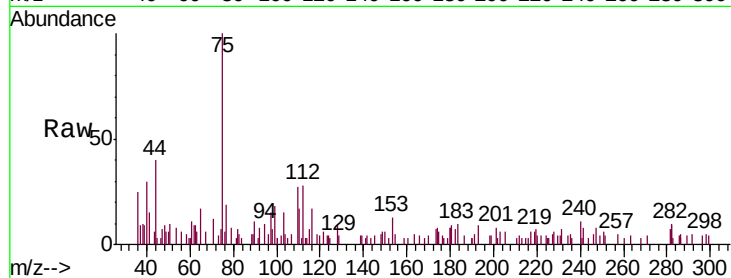
MDL02

Tgt Ion: 75 Resp: 2854

Ion Ratio Lower Upper

75 100

77 36.4 25.8 38.6



#61

Bromoform

Concen: 0.453 ug/L

RT: 12.02 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VR026636.D

Acq: 13 Sep 2019 17:20

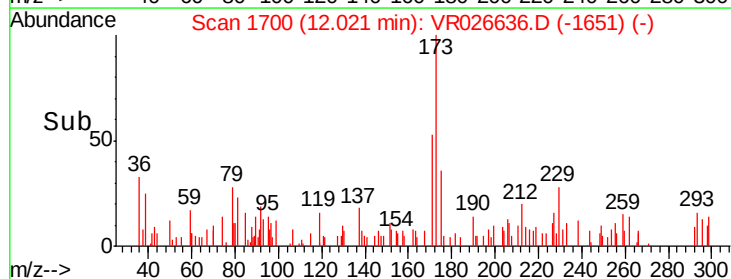
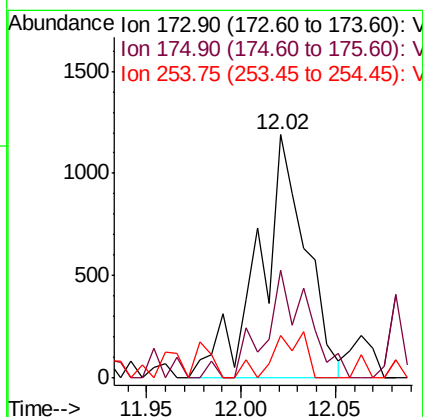
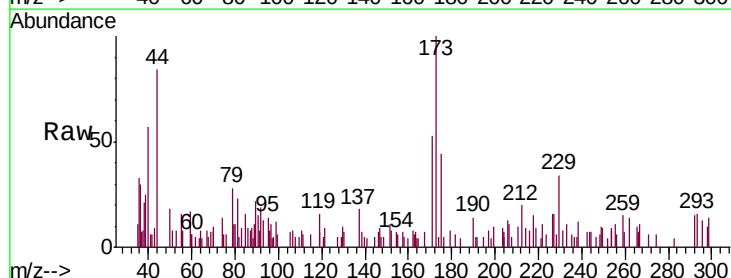
Tgt Ion: 173 Resp: 2046

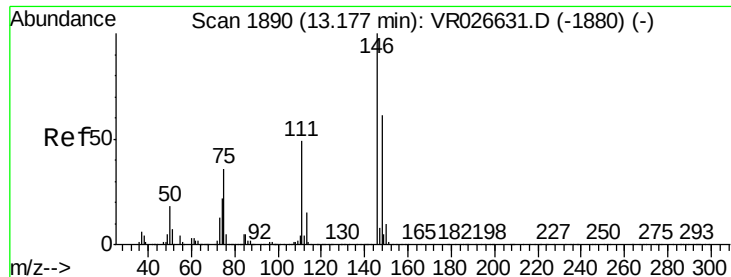
Ion Ratio Lower Upper

173 100

175 40.9 40.2 60.2

254 13.0 8.7 13.1

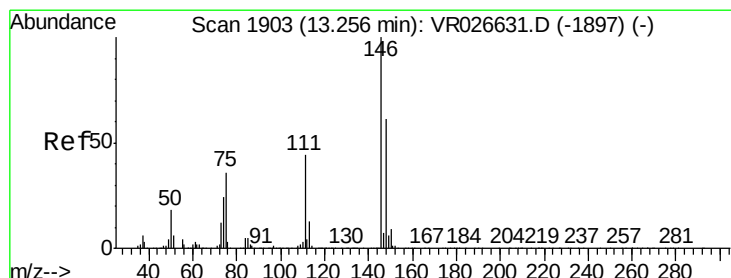
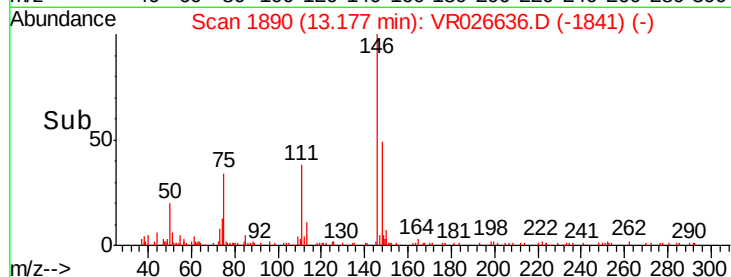
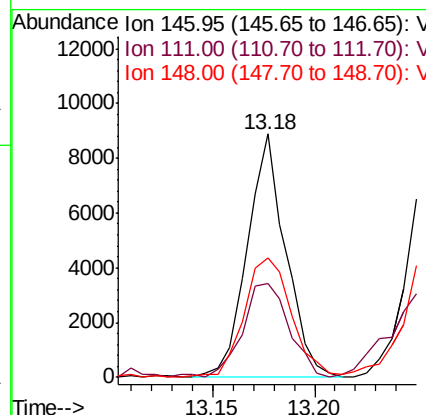
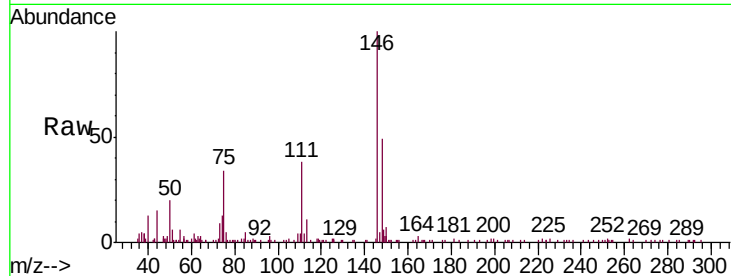




#62
 1,3-Dichlorobenzene
 Concen: 0.282 ug/L
 RT: 13.18 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VR026636.D
 Acq: 13 Sep 2019 17:20

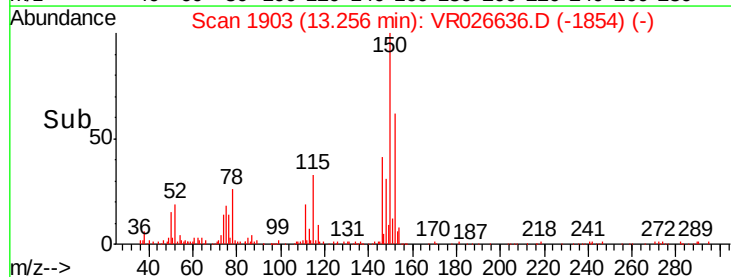
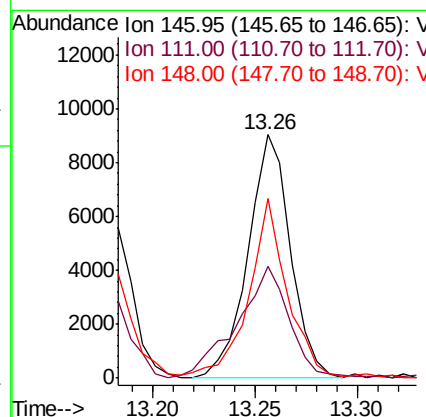
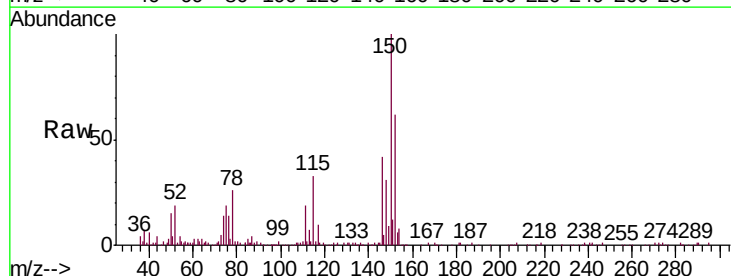
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL02

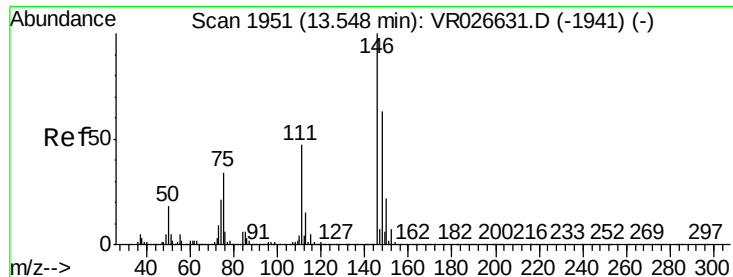
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	29.5	54.9
148	49.2	42.8	79.4



#63
 1,4-Dichlorobenzene
 Concen: 0.320 ug/L
 RT: 13.26 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VR026636.D
 Acq: 13 Sep 2019 17:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	31.1	57.9
148	74.0	44.6	82.8

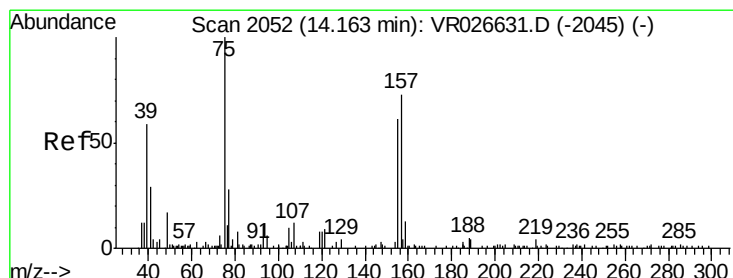
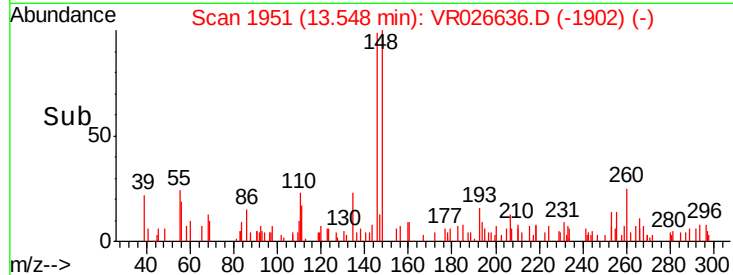
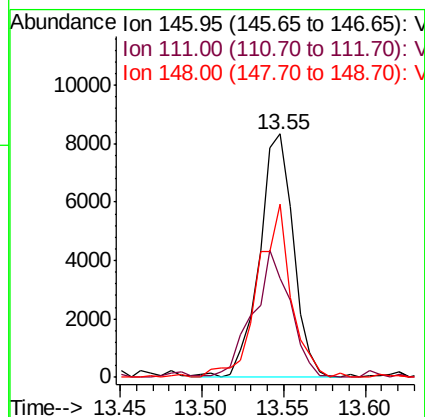
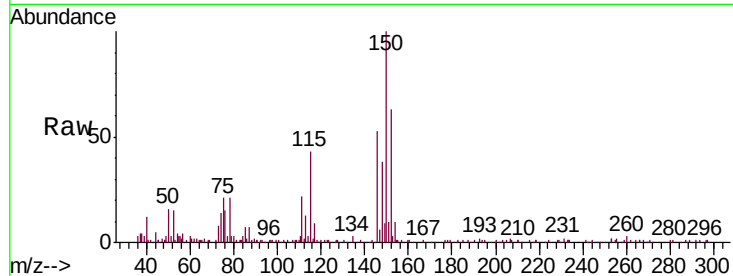




#65
 1,2-Dichlorobenzene
 Concen: 0.345 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VR026636.D
 Acq: 13 Sep 2019 17:20

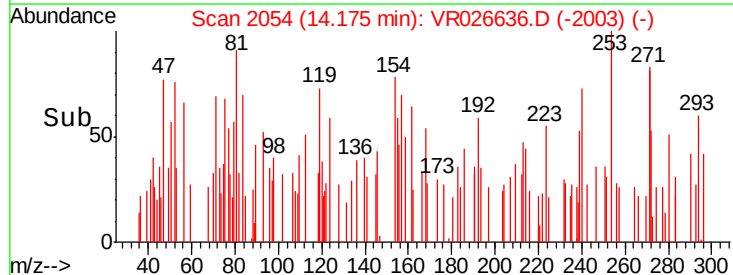
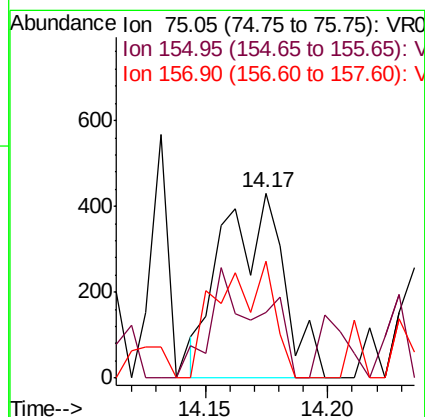
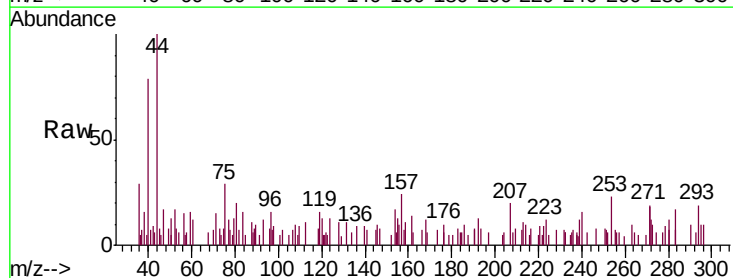
Instrument :
 MSVOA_R
 ClientSampled :
 MDL02

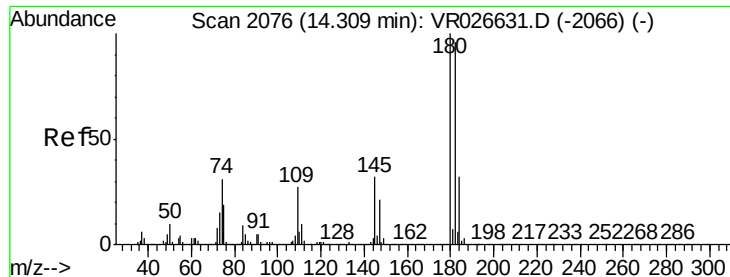
Tgt Ion: 146 Resp: 12011
 Ion Ratio Lower Upper
 146 100
 111 40.5 38.2 57.2
 148 71.2 50.1 75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.433 ug/L
 RT: 14.17 min Scan# 2054
 Delta R.T. 0.01 min
 Lab File: VR026636.D
 Acq: 13 Sep 2019 17:20

Tgt Ion: 75 Resp: 752
 Ion Ratio Lower Upper
 75 100
 155 35.5 49.4 74.2#
 157 63.1 65.2 97.8#

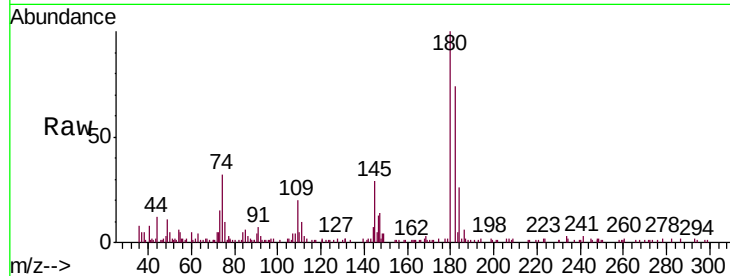




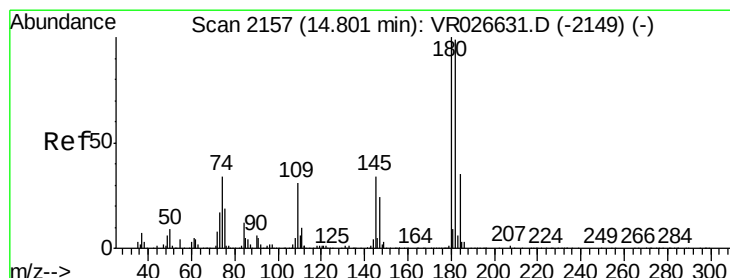
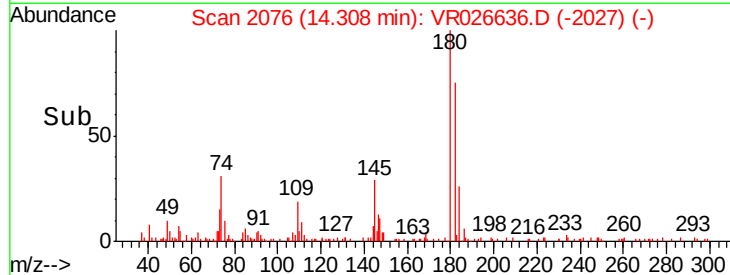
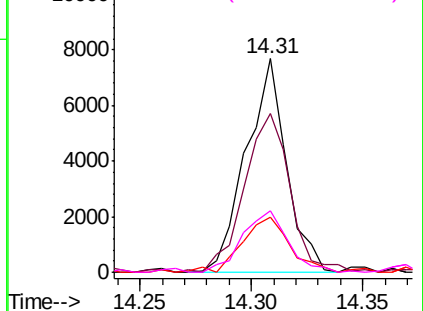
#67
 1,3,5-Trichlorobenzene
 Concen: 0.291 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VR026636.D
 Acq: 13 Sep 2019 17:20

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL02

Tgt Ion:	180	Resp:	9685
Ion	Ratio	Lower	Upper
180	100		
182	84.3	76.3	114.5
184	30.8	24.4	36.6
145	32.6	25.1	37.7

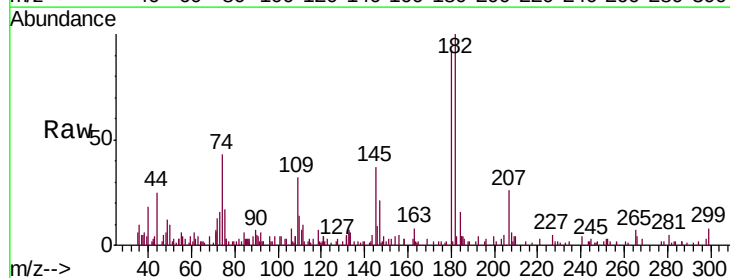


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

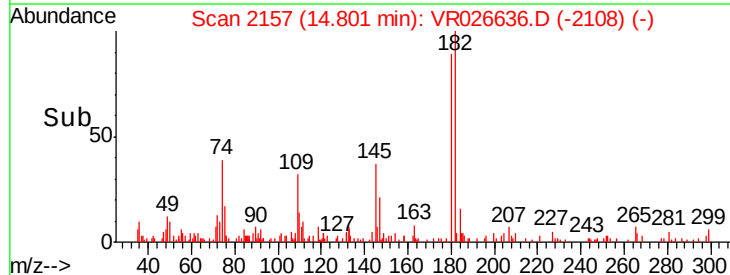
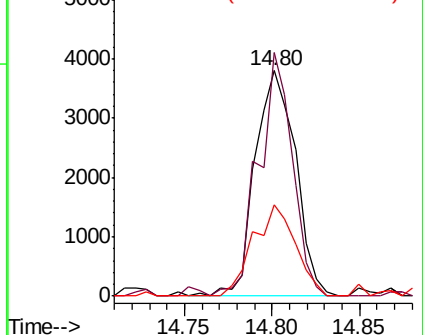


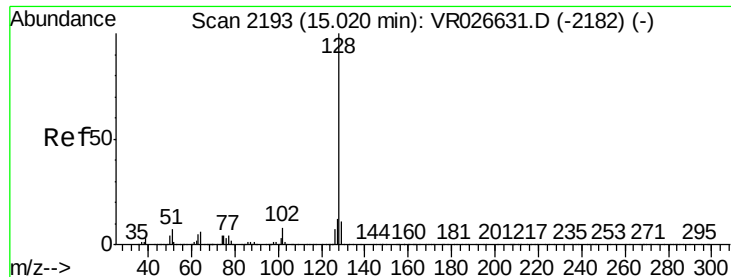
#68
 1,2,4-trichlorobenzene
 Concen: 0.259 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. -0.00 min
 Lab File: VR026636.D
 Acq: 13 Sep 2019 17:20

Tgt Ion:	180	Resp:	6075
Ion	Ratio	Lower	Upper
180	100		
182	91.0	75.1	112.7
145	42.4	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: 0.183 ug/L

RT: 15.02 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VR026636.D

Acq: 13 Sep 2019 17:20

Instrument :

MSVOA_R

ClientSampled :

MDL02

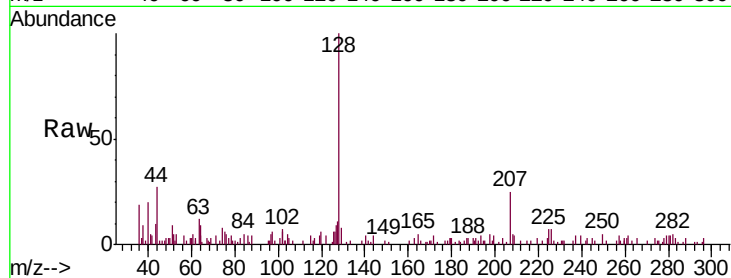
Tgt Ion:128 Resp: 5705

Ion Ratio Lower Upper

128 100

127 17.1 10.8 16.2#

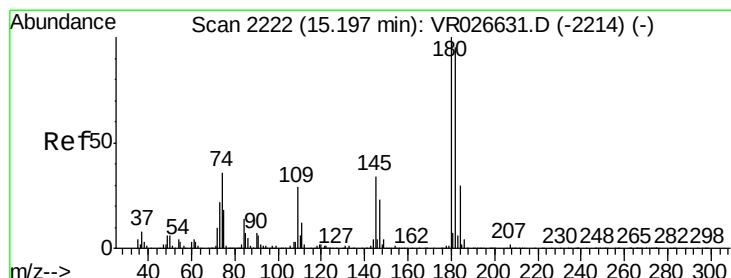
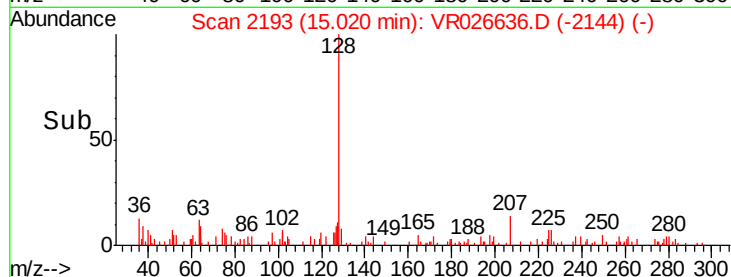
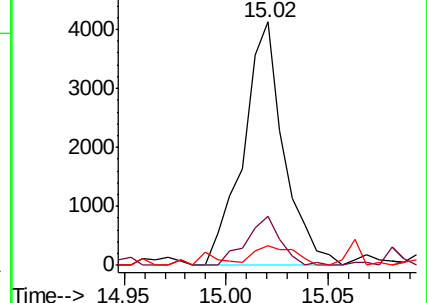
129 7.9 8.9 13.3#



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: 0.298 ug/L

RT: 15.20 min Scan# 2222

Delta R.T. -0.00 min

Lab File: VR026636.D

Acq: 13 Sep 2019 17:20

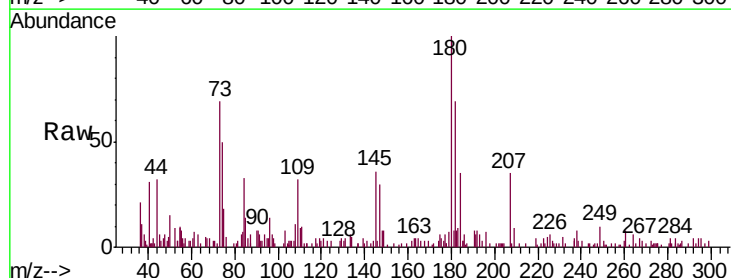
Tgt Ion:180 Resp: 6206

Ion Ratio Lower Upper

180 100

182 84.9 76.2 114.4

145 37.8 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

