

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059121.D
 Acq On : 7 Nov 2019 14:48
 Operator : JC/SP
 Sample : K5675-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-110619

Quant Time: Nov 08 01:15:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	483882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	741346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	660540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	242745	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	293229	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
35) Dibromofluoromethane	7.57	113	227414	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
50) Toluene-d8	10.08	98	911313	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.40	95	290940	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	435	0.384	ug/l #	72
13) Acrolein	3.59	56	193	0.330	ug/l #	14
16) Acetone	3.80	43	14178	4.584	ug/l #	87
17) Carbon Disulfide	4.03	76	5217	0.372	ug/l	96
18) Methyl Acetate	4.31	43	5924	0.807	ug/l #	90
20) Methylene Chloride	4.53	84	60313	11.192	ug/l	97
25) 2-Butanone	6.82	43	4229	1.037	ug/l	96
30) Chloroform	7.35	83	2165	0.231	ug/l	93
31) Cyclohexane	7.64	56	9346	1.009	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	36165	5.219	ug/l #	50
38) Carbon Tetrachloride	7.64	117	45859	6.649	ug/l #	17
43) Isopropyl Acetate	8.14	43	122618	9.977	ug/l #	89
45) 1,2-Dichloropropane	9.26	63	2718	0.480	ug/l #	44
48) Methyl methacrylate	9.17	41	7149	1.300	ug/l #	14
49) 1,4-Dioxane	9.26	88	93	0.952	ug/l #	1
51) 4-Methyl-2-Pentanone	9.97	43	9759	1.403	ug/l #	87
54) cis-1,3-Dichloropropene	9.90	75	49240	5.618	ug/l #	61
56) Ethyl methacrylate	10.54	69	1837	2.083	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	8662	0.994	ug/l #	42
59) 2-Hexanone	10.76	43	126000	23.607	ug/l #	53
68) m/p-Xylenes	11.62	106	2427	0.284	ug/l	89
71) Bromoform	12.40	173	1582	0.421	ug/l #	1
74) N-amyl acetate	12.03	43	3598	0.481	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	146019	26.422	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	6346	0.424	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	146019	69.787	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	11948	0.825	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	1674	0.220	ug/l	89
88) 1,4-Dichlorobenzene	13.28	146	1674	0.220	ug/l	88
89) n-Butylbenzene	13.62	91	3973	0.306	ug/l	80
91) 1,2-Dichlorobenzene	13.66	146	2041	0.273	ug/l	90
93) 1,2,4-Trichlorobenzene	14.92	180	3313	3.733	ug/l #	85
94) Hexachlorobutadiene	15.01	225	626	0.243	ug/l	83
95) Naphthalene	15.13	128	29966	5.282	ug/l	98

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Response via : Initial Calibration

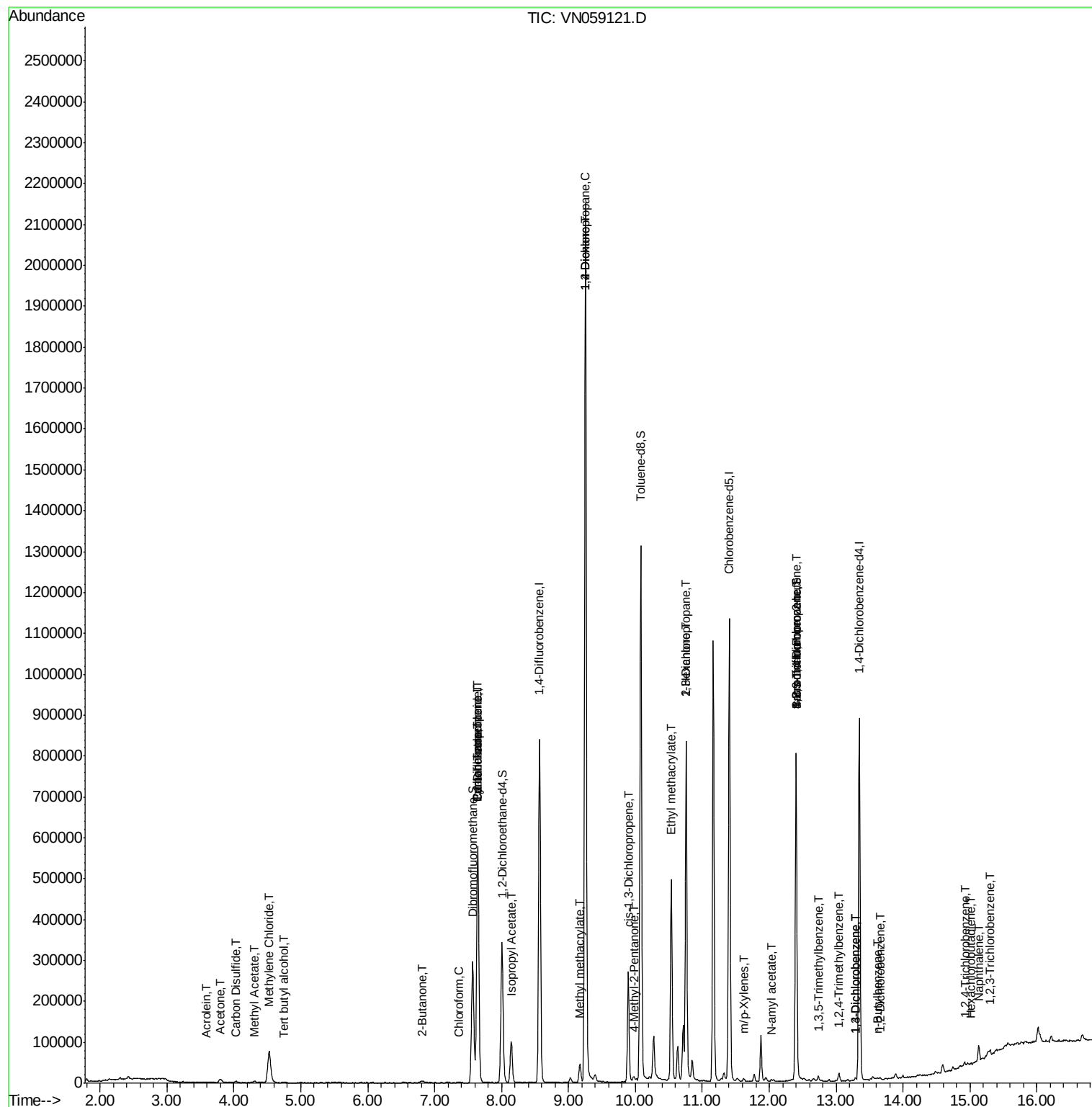
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.30	180	4230	1.010	ug/l #	81

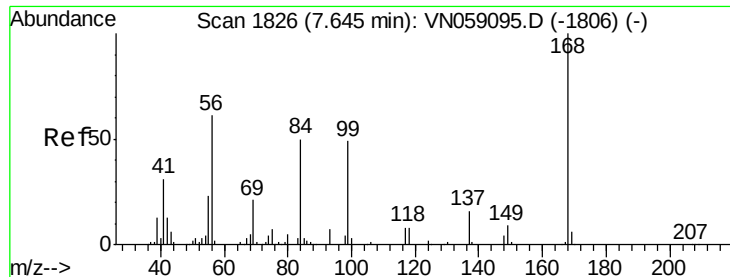
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN059121.D
Acq On : 7 Nov 2019 14:48
Operator : JC/SP
Sample : K5675-08
Misc : 5.00mL/MSVOA N/WATER
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

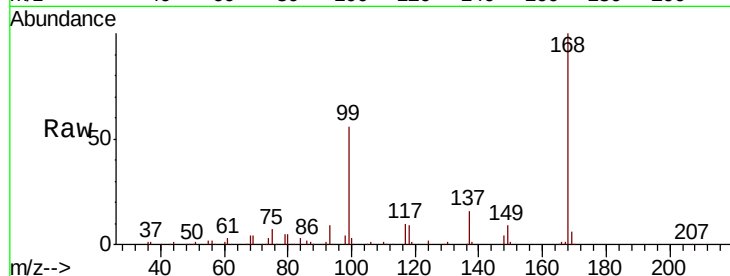
TR-04-110619

Tot Ion:168 Resp: 483882

Ion Ratio Lower Upper

168 100

99 55.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059121.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059121.D (-1733) (-)

7.64

200000

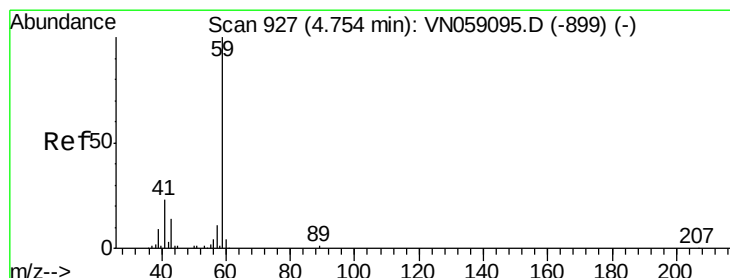
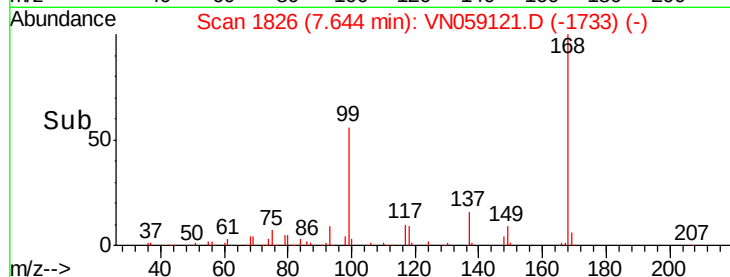
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.384 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.01 min

Lab File: VN059121.D

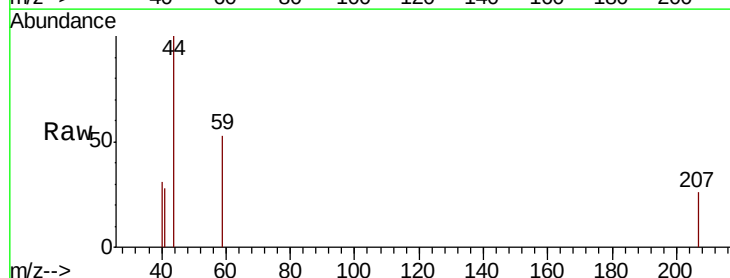
Acq: 7 Nov 2019 14:48

Tgt Ion: 59 Resp: 435

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN059121.D (-834) (-)

Ion 57.00 (56.70 to 57.70): VN059121.D (-834) (-)

4.74

400

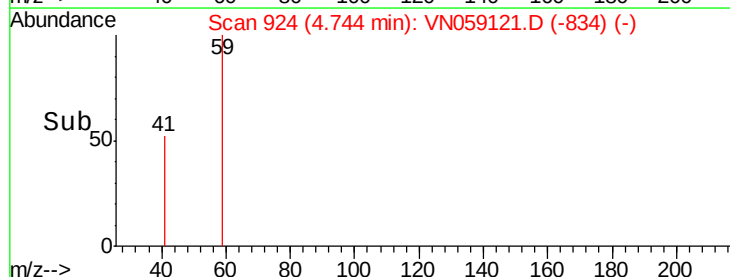
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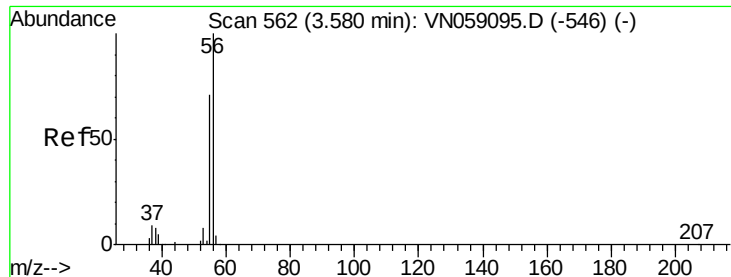
200

100

0

Time-->





#13

Acrolein

Concen: 0.330 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

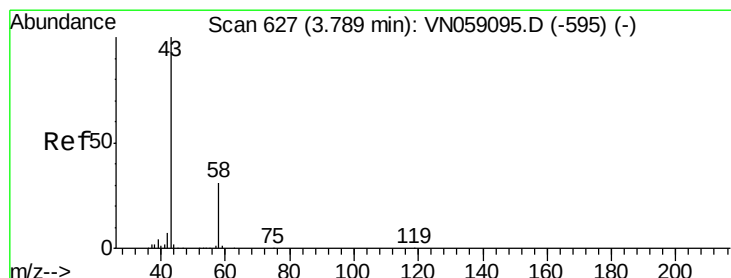
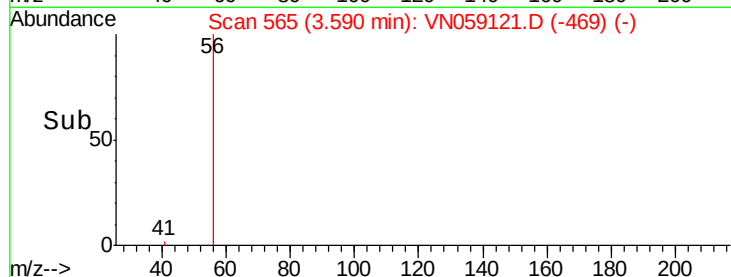
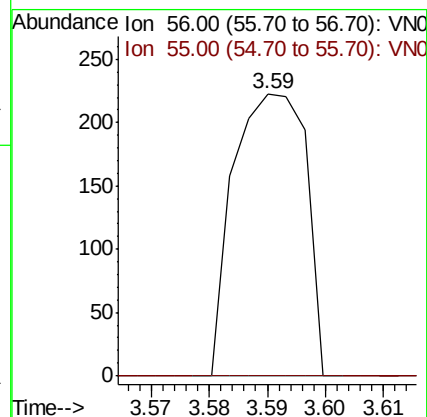
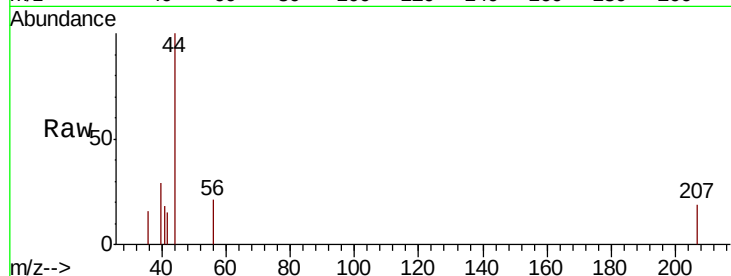
TR-04-110619

Tot Ion: 56 Resp: 193

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#



#16

Acetone

Concen: 4.584 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059121.D

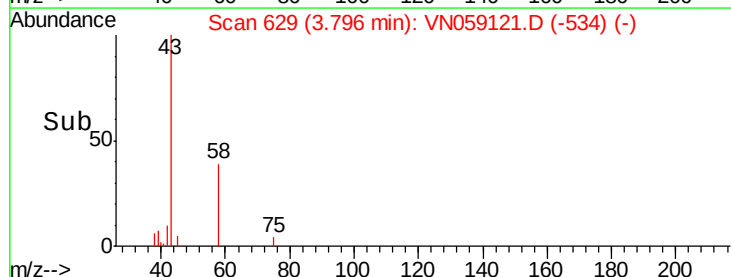
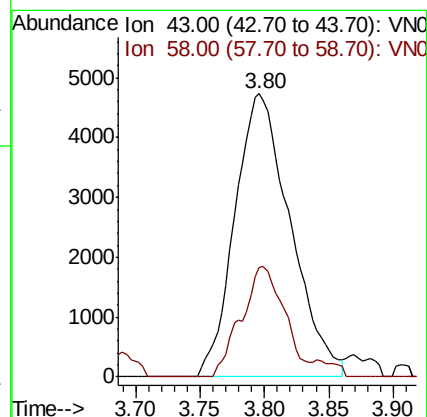
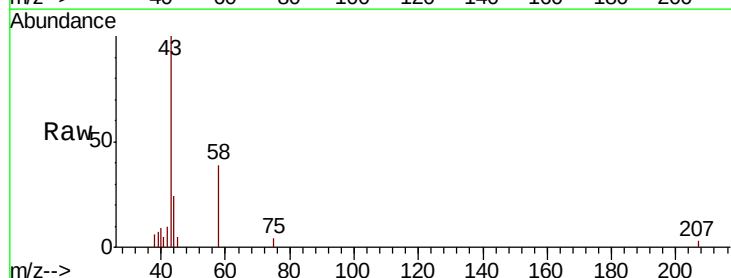
Acq: 7 Nov 2019 14:48

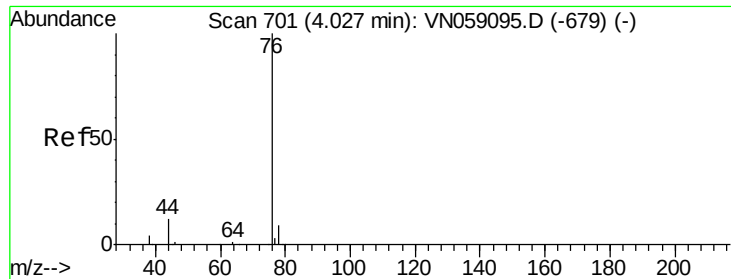
Tgt Ion: 43 Resp: 14178

Ion Ratio Lower Upper

43 100

58 38.5 24.9 37.3#

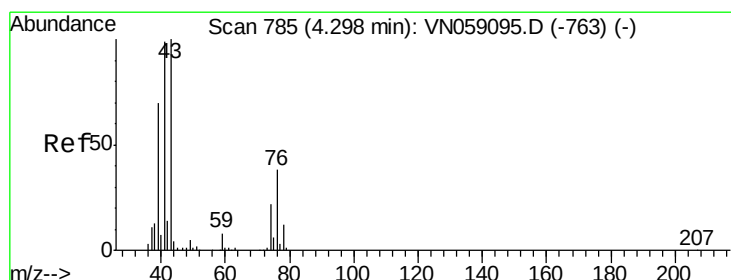
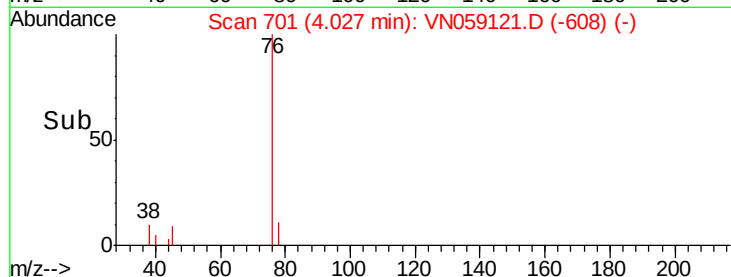
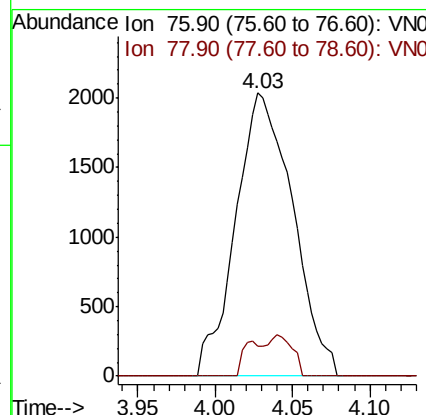
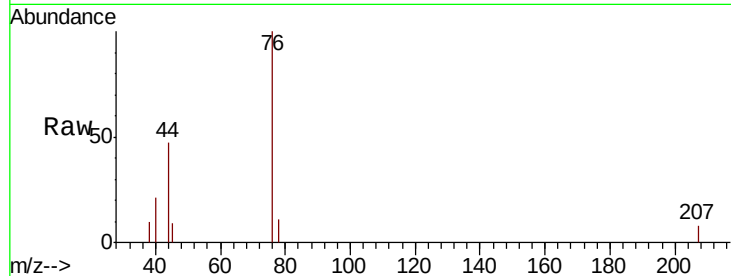




#17
Carbon Disulfide
Concen: 0.372 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059121.D
Acq: 7 Nov 2019 14:48

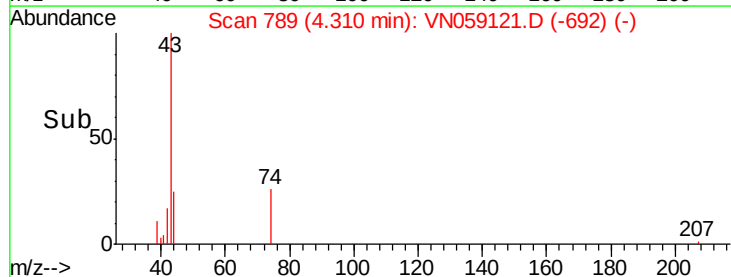
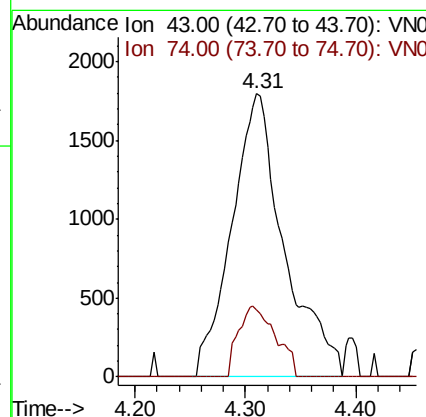
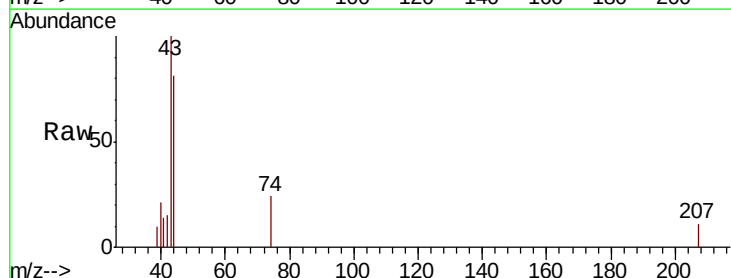
Instrument :
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TR-04-110619

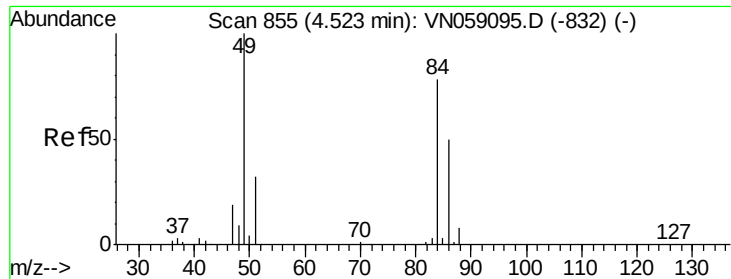
Tot Ion: 76 Resp: 5217
Ion Ratio Lower Upper
76 100
78 10.7 7.4 11.0



#18
Methyl Acetate
Concen: 0.807 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN059121.D
Acq: 7 Nov 2019 14:48

Tgt Ion: 43 Resp: 5924
Ion Ratio Lower Upper
43 100
74 17.7 17.8 26.8#

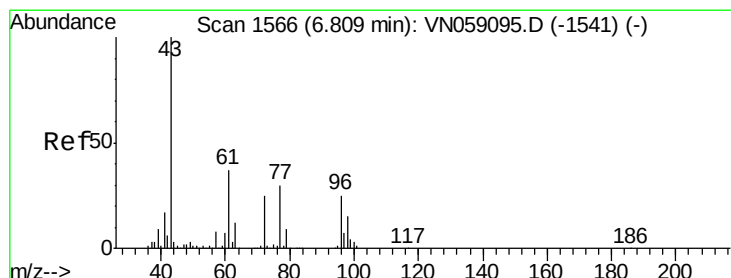
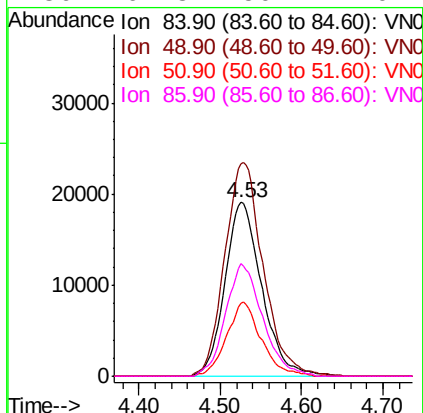
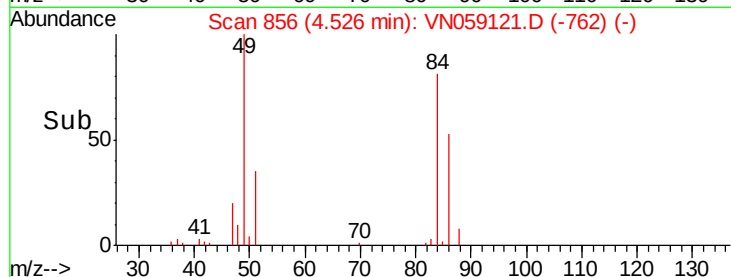
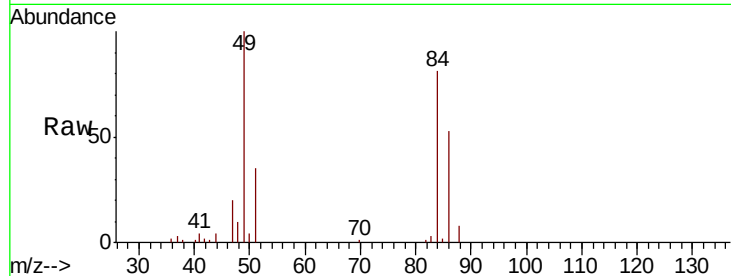




#20
Methylene Chloride
Concen: 11.192 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059121.D
Acq: 7 Nov 2019 14:48

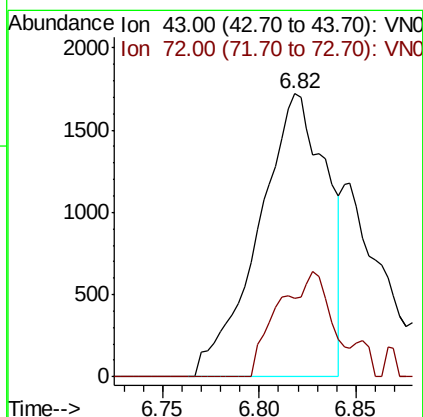
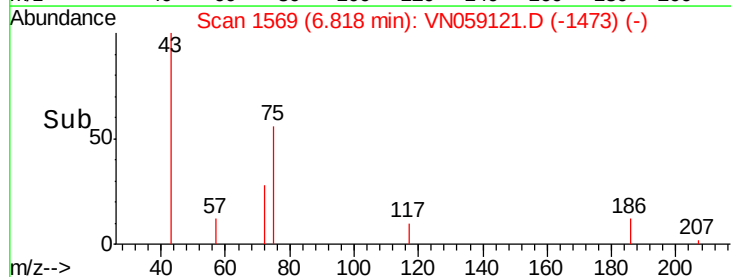
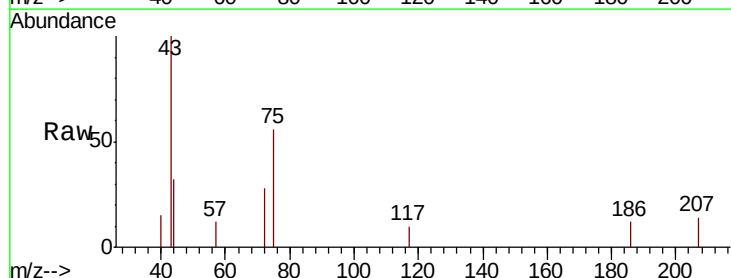
Instrument :
MSVOA_N
ClientSampled :
TR-04-110619

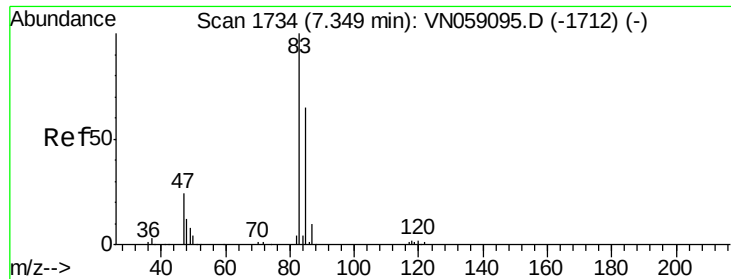
Tot Ion: 84 Resp: 60313
Ion Ratio Lower Upper
84 100
49 122.8 102.0 153.0
51 42.4 32.2 48.2
86 64.8 50.7 76.1



#25
2-Butanone
Concen: 1.037 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN059121.D
Acq: 7 Nov 2019 14:48

Tgt Ion: 43 Resp: 4229
Ion Ratio Lower Upper
43 100
72 27.6 20.3 30.5

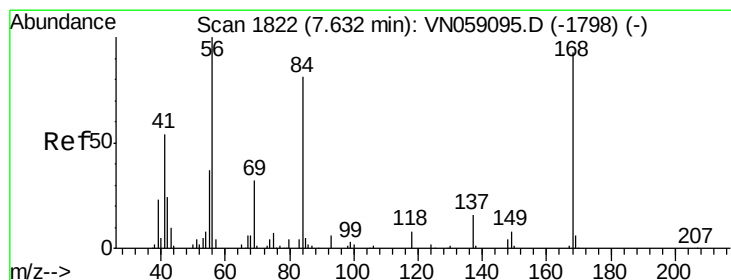
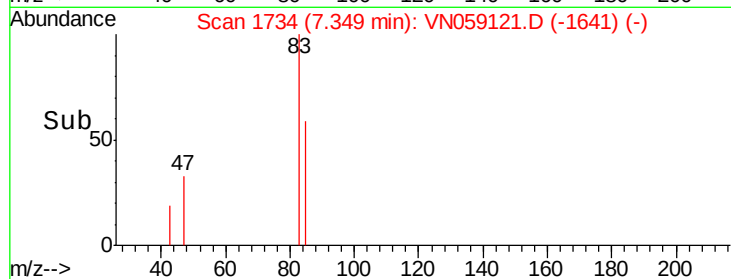
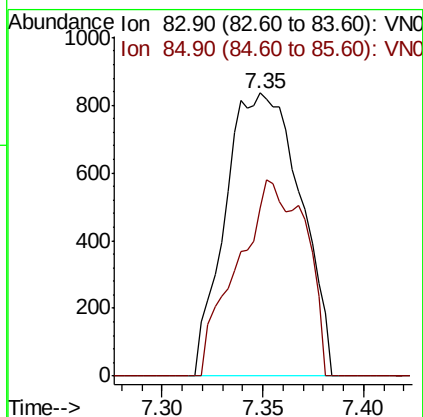
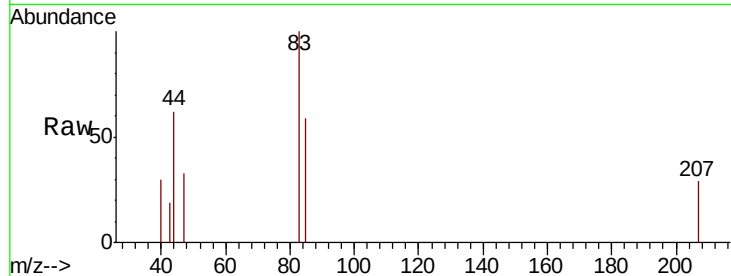




#30
Chloroform
Concen: 0.231 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059121.D
Acq: 7 Nov 2019 14:48

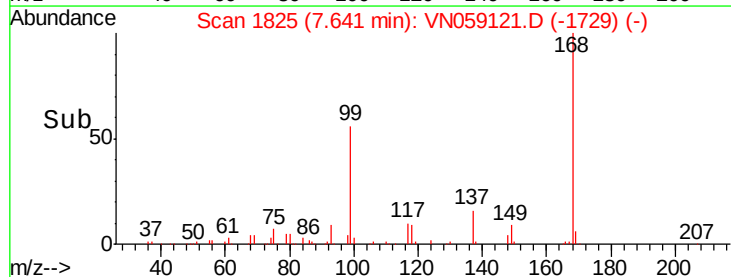
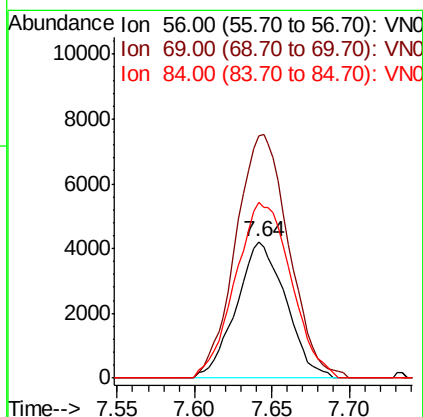
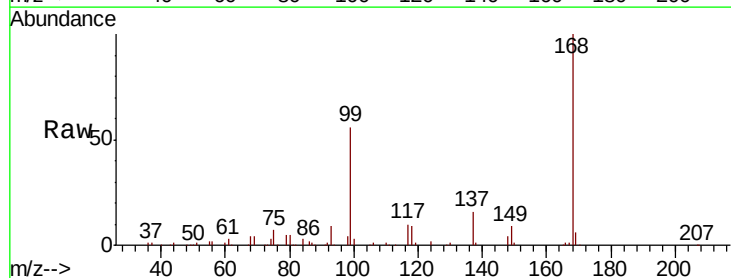
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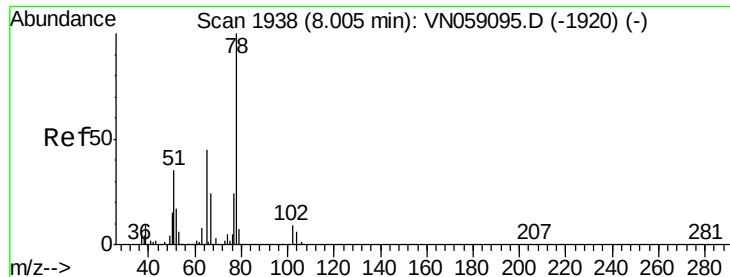
Tot Ion: 83 Resp: 2165
Ion Ratio Lower Upper
83 100
85 59.2 51.8 77.8



#31
Cyclohexane
Concen: 1.009 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059121.D
Acq: 7 Nov 2019 14:48

Tgt Ion: 56 Resp: 9346
Ion Ratio Lower Upper
56 100
69 178.3 25.8 38.8#
84 128.7 65.0 97.4#

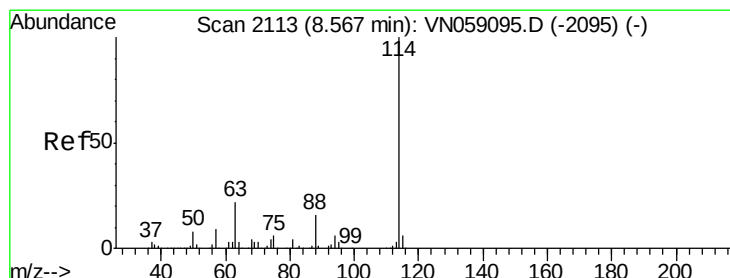
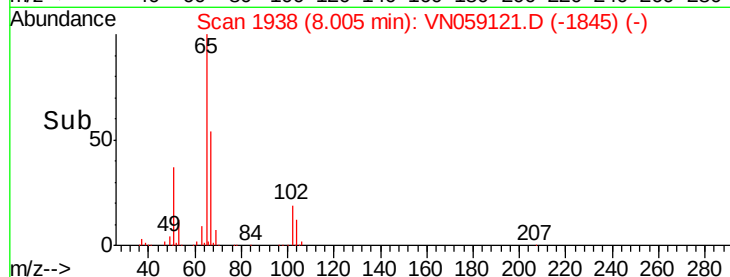
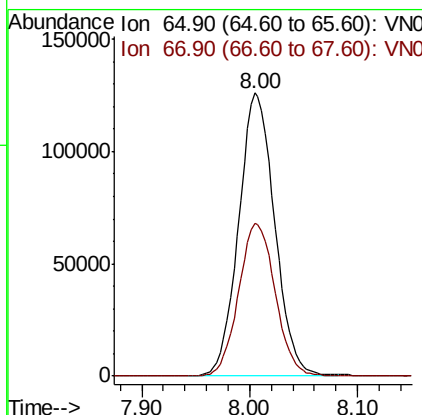
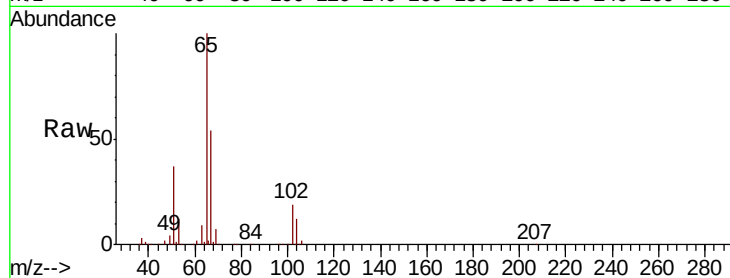




#33
 1,2-Dichloroethane-d4
 Concen: 49.297 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059121.D
 Acq: 7 Nov 2019 14:48

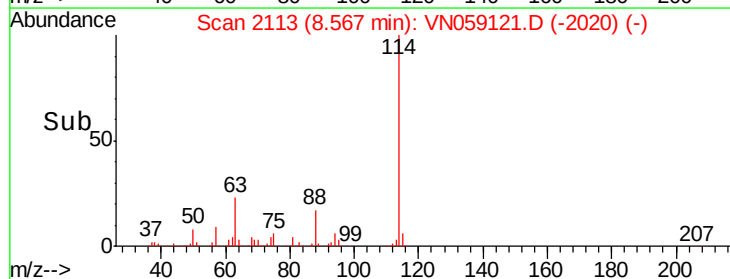
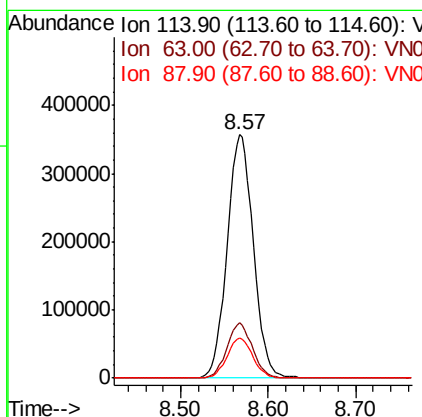
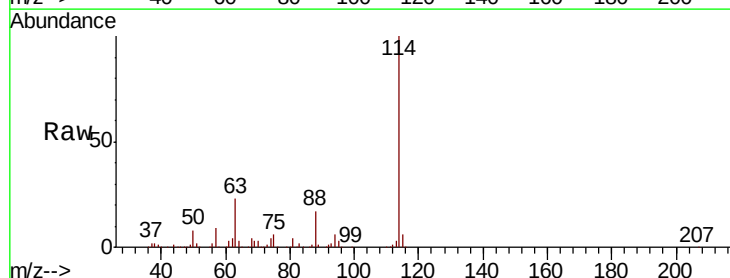
Instrument :
 MSVOA_N
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 TR-04-110619

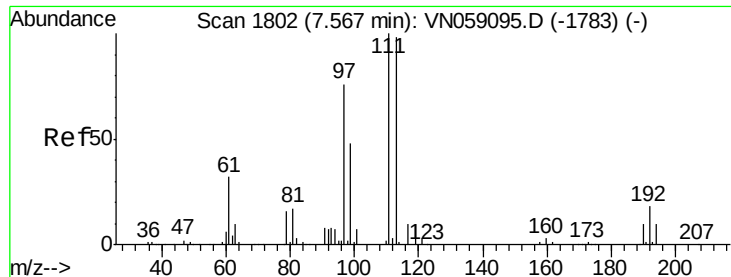
Tot Ion: 65 Resp: 293229
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059121.D
 Acq: 7 Nov 2019 14:48

Tgt Ion: 114 Resp: 741346
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.4
 88 16.5 0.0 32.2

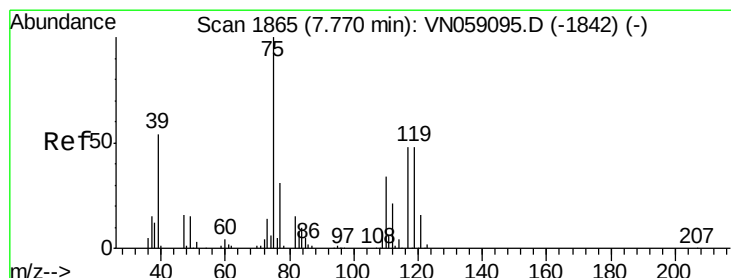
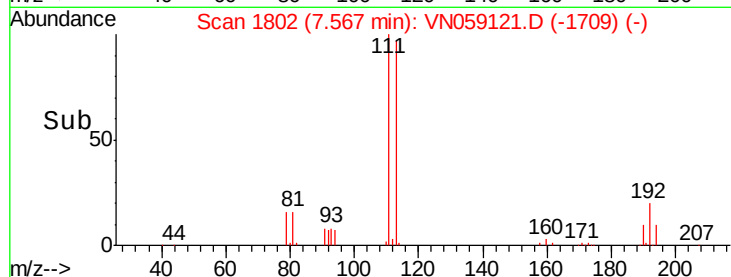
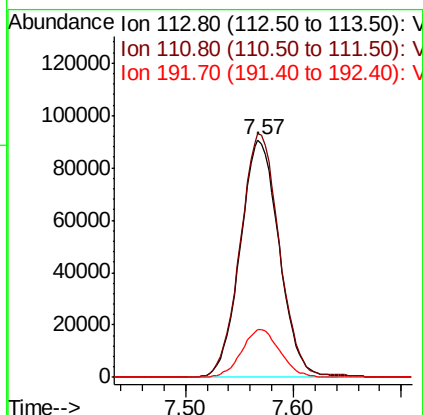
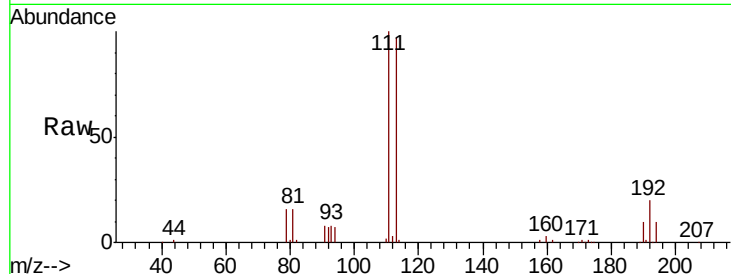




#35
 Dibromofluoromethane
 Concen: 51.375 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059121.D
 Acq: 7 Nov 2019 14:48

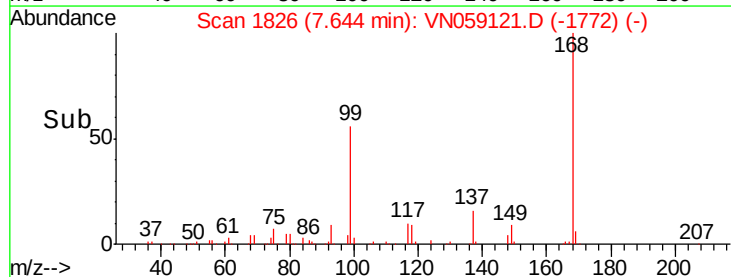
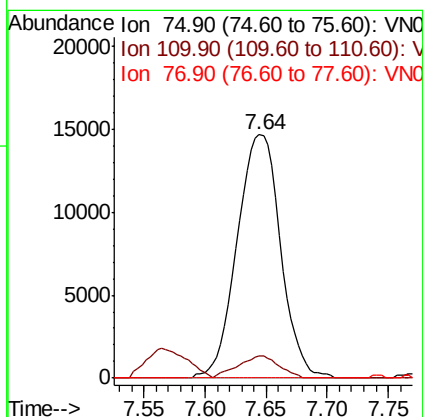
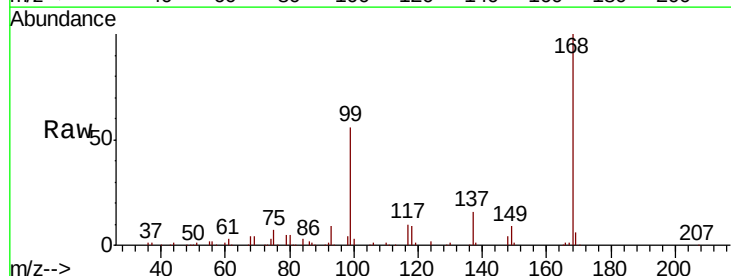
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-110619

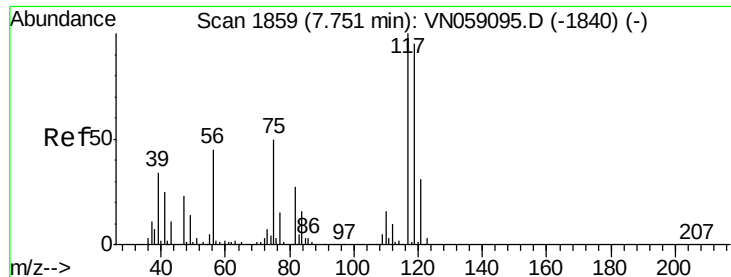
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.8	124.2
192	19.9	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.219 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059121.D
 Acq: 7 Nov 2019 14:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.1	51.2#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.649 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

Instrument :

MSVOA_N

ClientSampled :

TR-04-110619

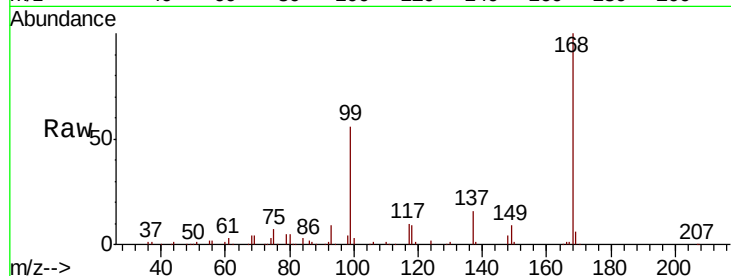
Tot Ion:117 Resp: 45859

Ion Ratio Lower Upper

117 100

119 5.2 75.6 113.4#

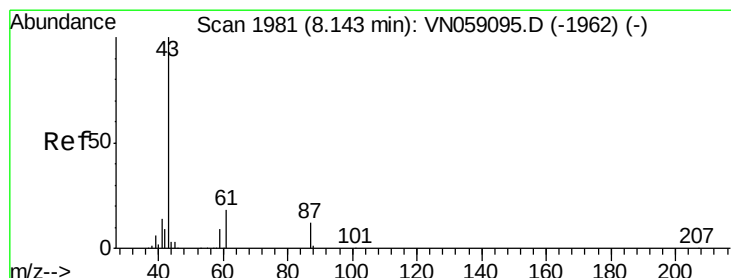
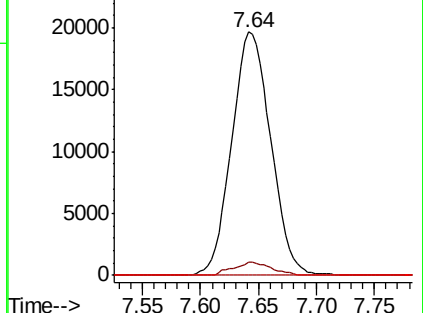
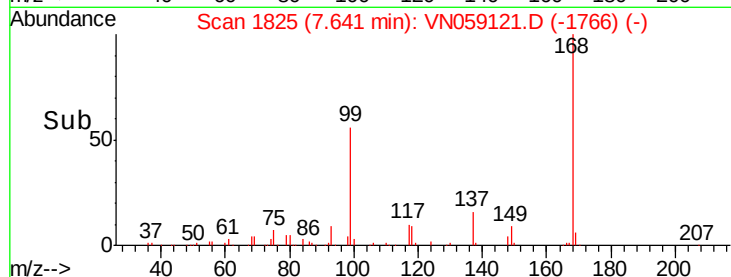
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.977 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

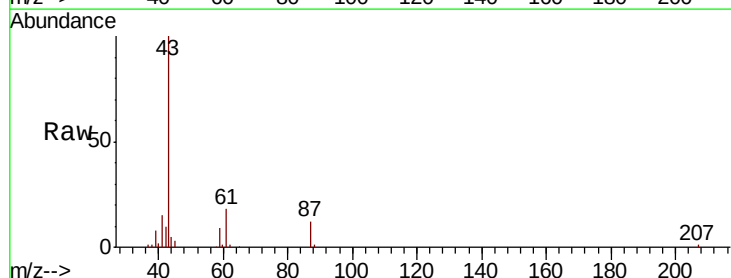
Tgt Ion: 43 Resp: 122618

Ion Ratio Lower Upper

43 100

61 18.4 21.0 31.6#

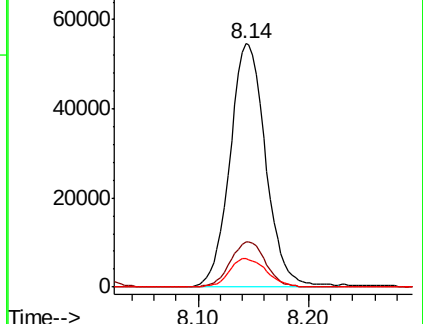
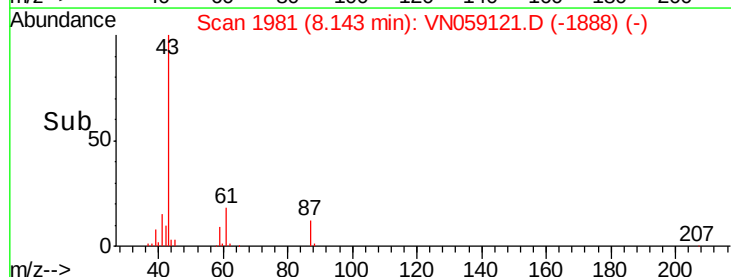
87 12.1 9.8 14.6

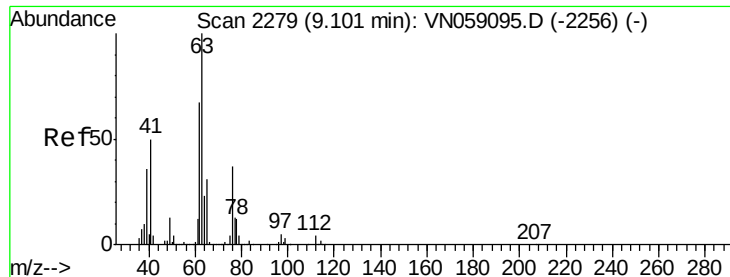


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.480 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

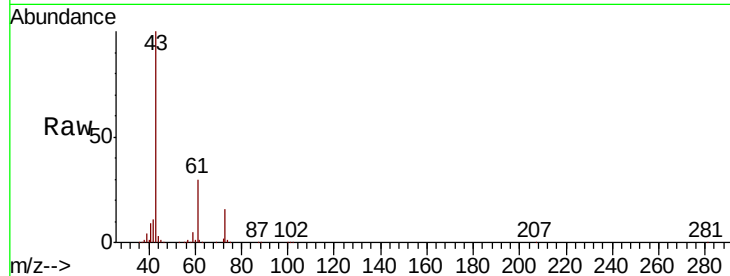
TR-04-110619

Tot Ion: 63 Resp: 2718

Ion Ratio Lower Upper

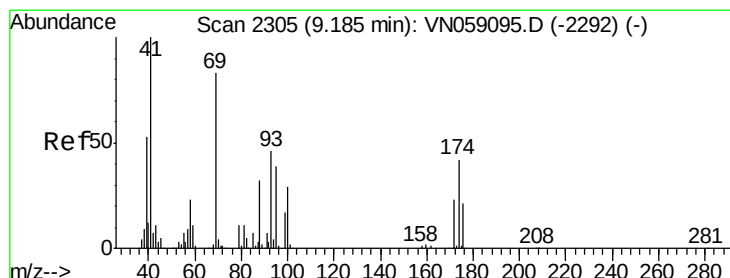
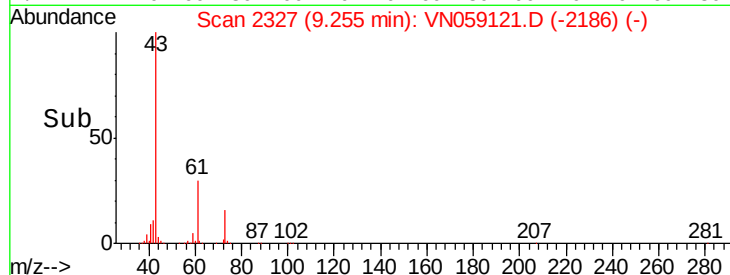
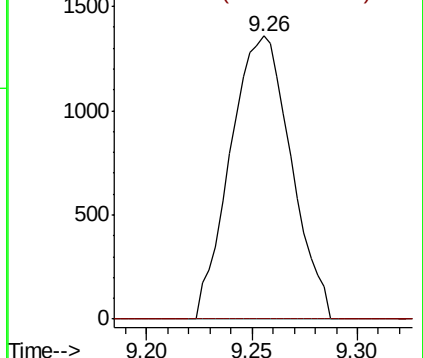
63 100

65 0.0 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#48

Methyl methacrylate

Concen: 1.300 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.02 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

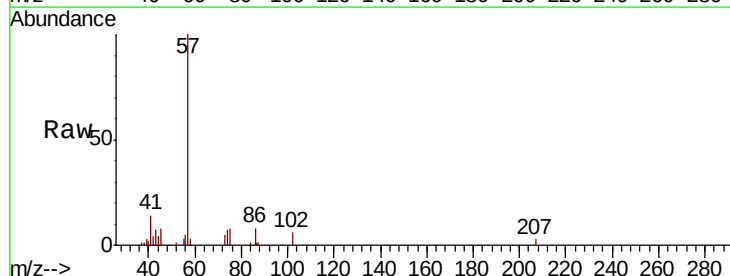
Tgt Ion: 41 Resp: 7149

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

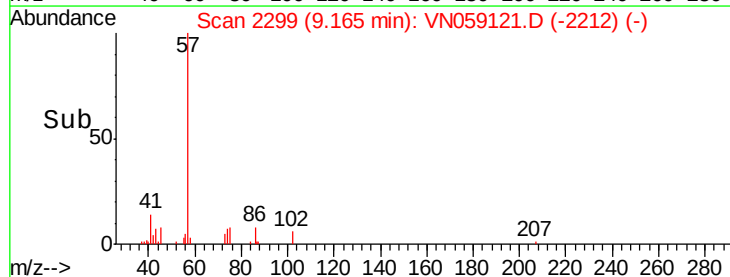
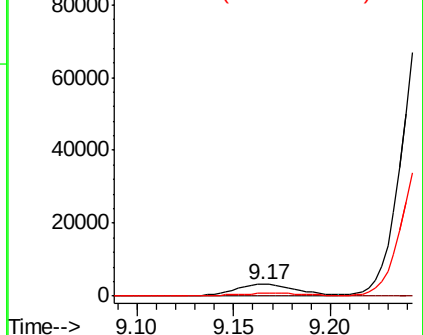
39 0.0 43.3 64.9#

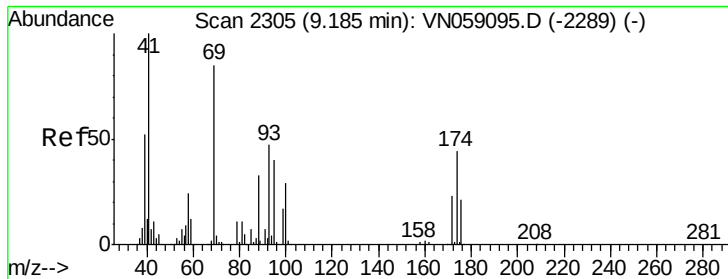


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#49

1,4-Dioxane

Concen: 0.952 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.07 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

Instrument :
MSVOA_N
ClientSampled :
TR-04-110619

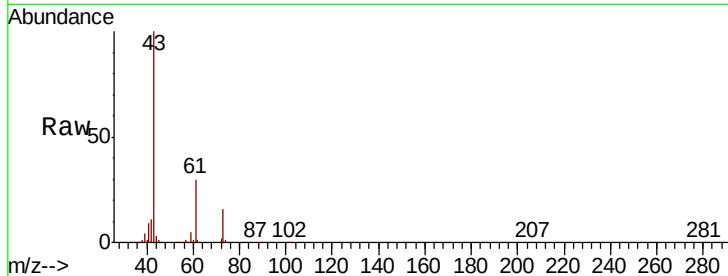
Tot Ion: 88 Resp: 93

Ion Ratio Lower Upper

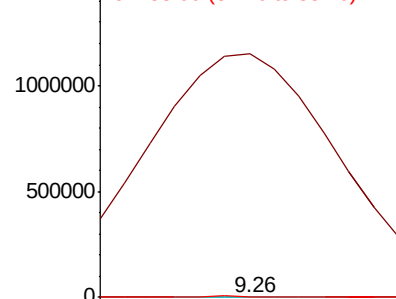
88 100

43 2317882.8 26.3 39.5#

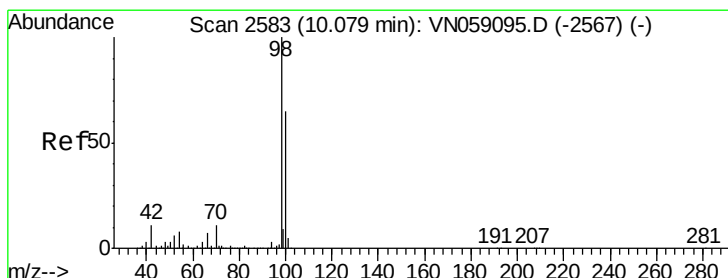
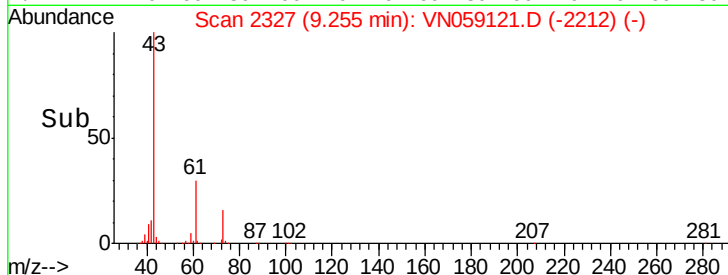
58 10504.3 60.6 90.8#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO



Time-->



#50

Toluene-d8

Concen: 52.267 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059121.D

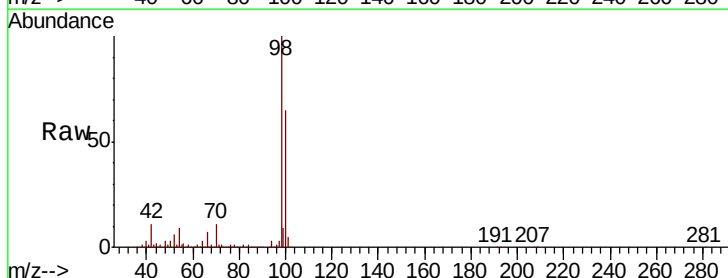
Acq: 7 Nov 2019 14:48

Tgt Ion: 98 Resp: 911313

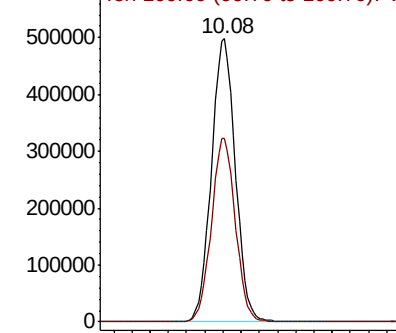
Ion Ratio Lower Upper

98 100

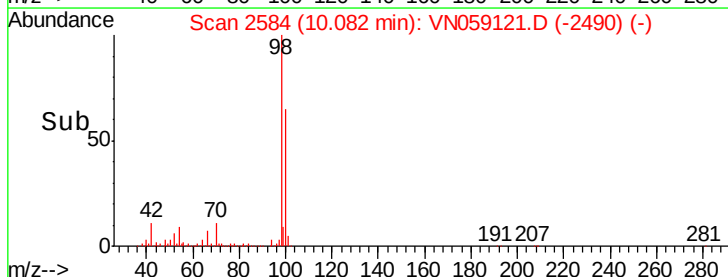
100 64.8 52.2 78.2

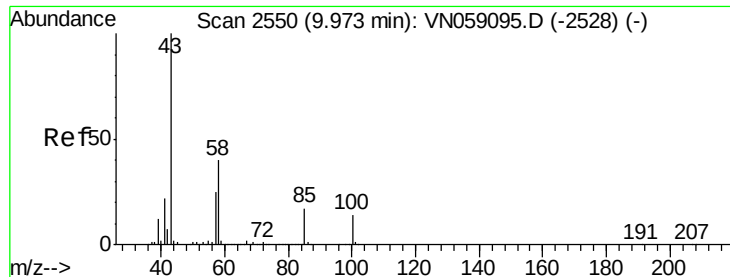


Abundance Ion 98.00 (97.70 to 98.70): VNO
Ion 100.00 (99.70 to 100.70): VNO



Time-->





#51

4-Methyl-2-Pentanone

Concen: 1.403 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

Instrument :

MSVOA_N

ClientSampled :

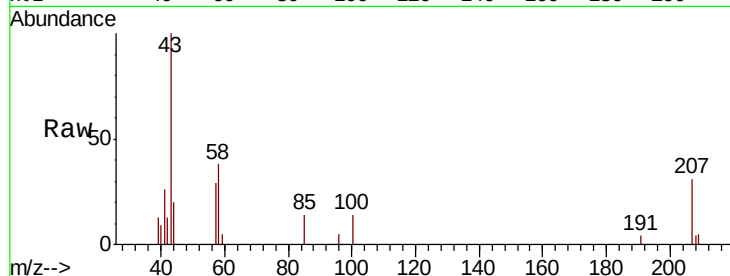
TR-04-110619

Tot Ion: 43 Resp: 9759

Ion Ratio Lower Upper

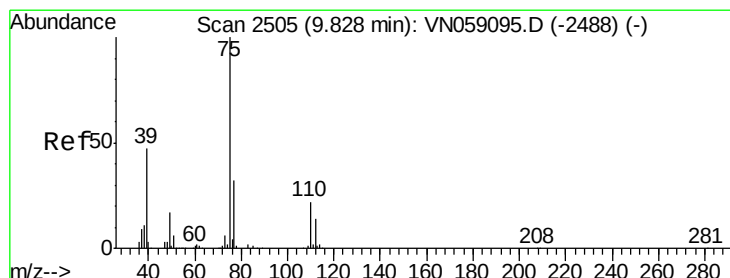
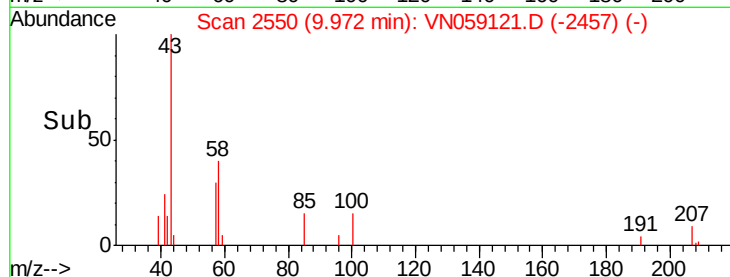
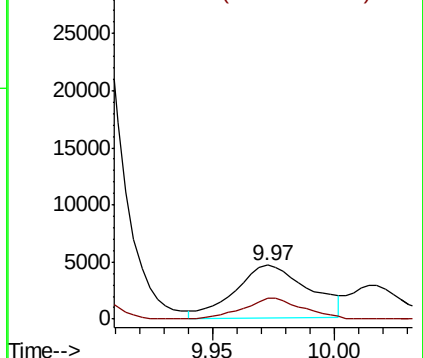
43 100

58 31.5 31.5 47.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.618 ug/l

RT: 9.90 min Scan# 2526

Delta R.T. 0.07 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

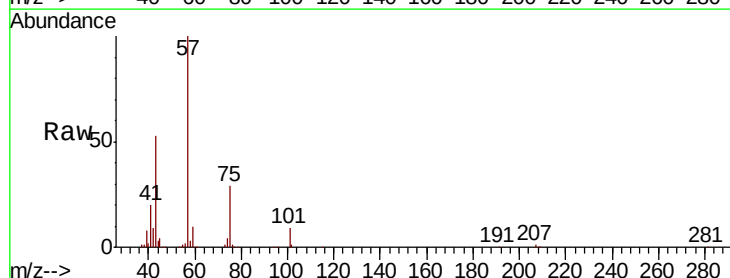
Tgt Ion: 75 Resp: 49240

Ion Ratio Lower Upper

75 100

77 0.8 25.5 38.3#

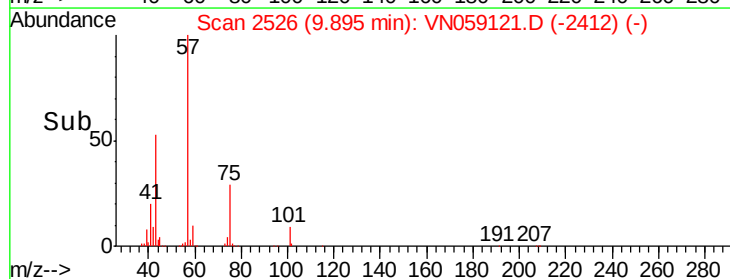
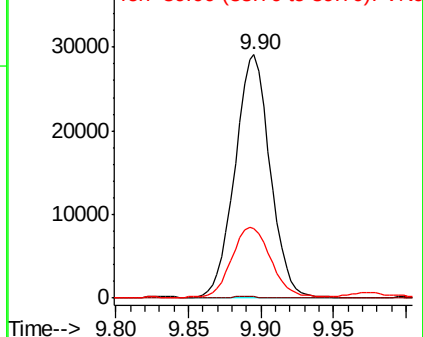
39 27.9 37.3 55.9#

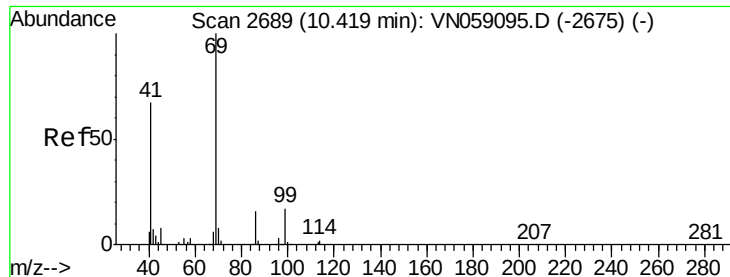


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 2.083 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.12 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

Instrument :

MSVOA_N

ClientSampled :

TR-04-110619

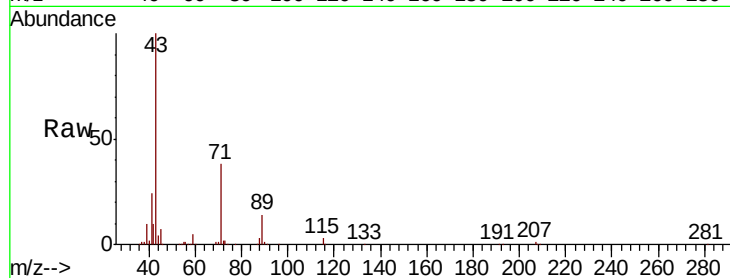
Tot Ion: 69 Resp: 1837

Ion Ratio Lower Upper

69 100

41 4857.8 53.6 80.4#

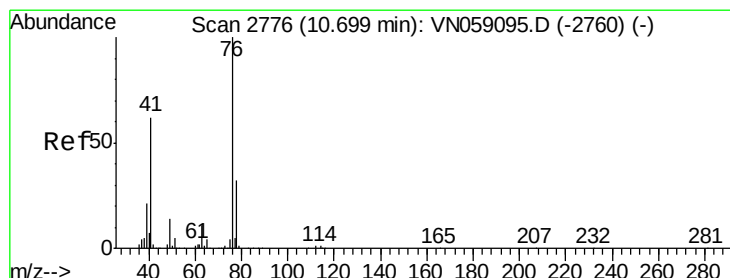
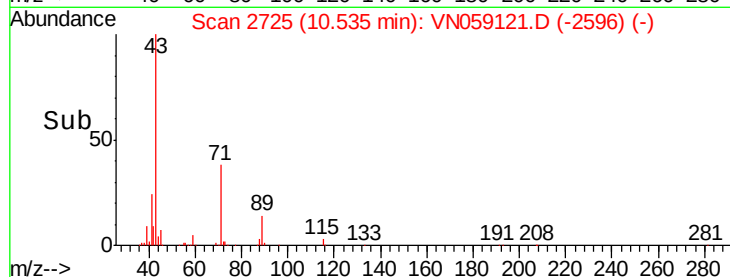
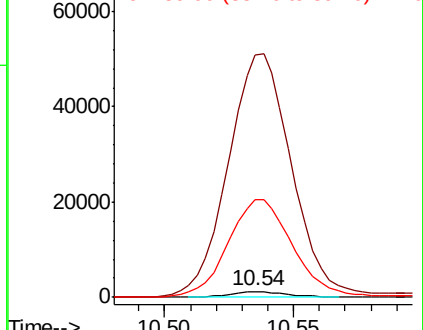
39 1961.1 26.2 39.4#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.994 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN059121.D

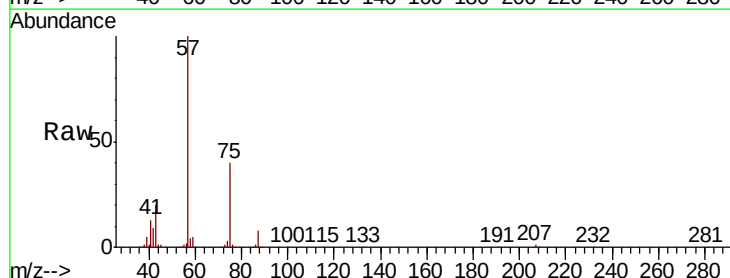
Acq: 7 Nov 2019 14:48

Tgt Ion: 76 Resp: 8662

Ion Ratio Lower Upper

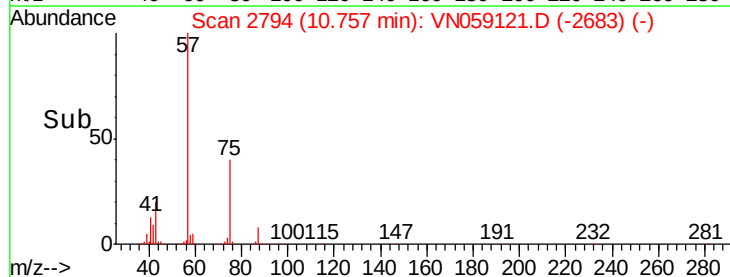
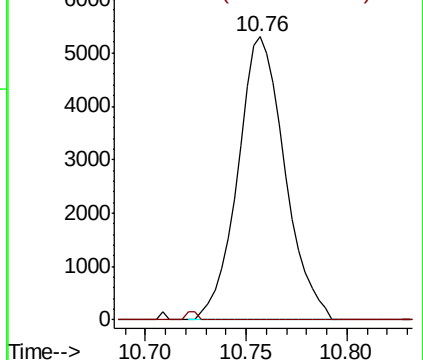
76 100

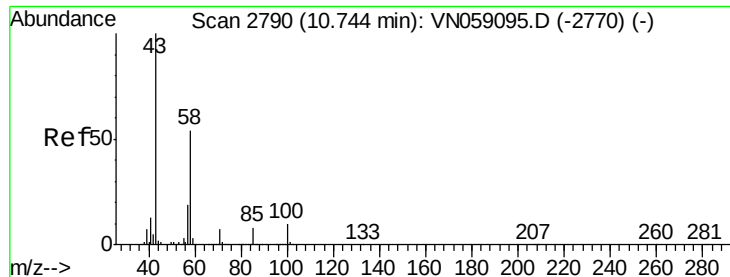
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

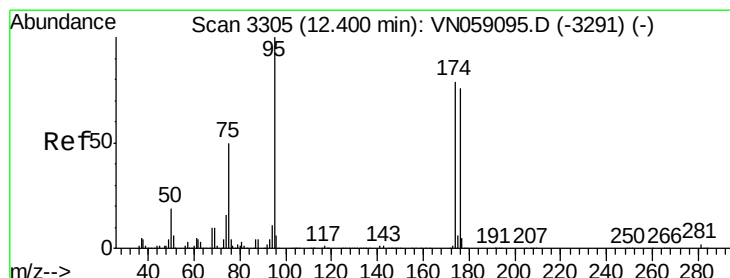
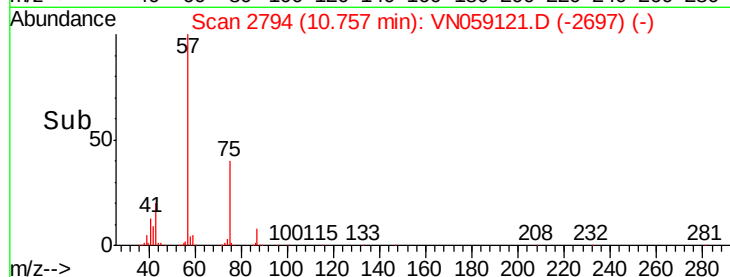
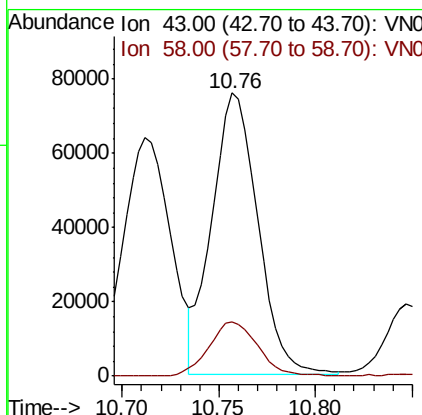
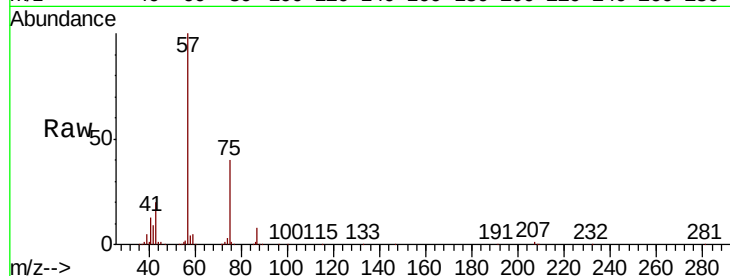




#59
2-Hexanone
Concen: 23.607 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN059121.D
Acq: 7 Nov 2019 14:48

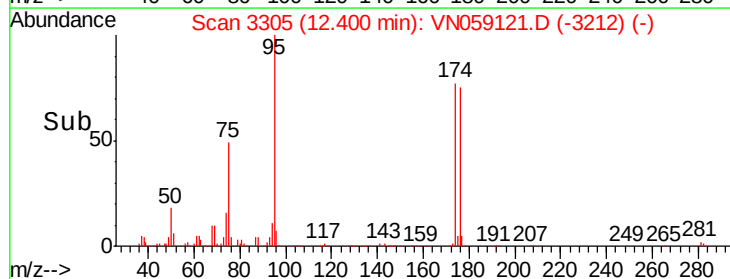
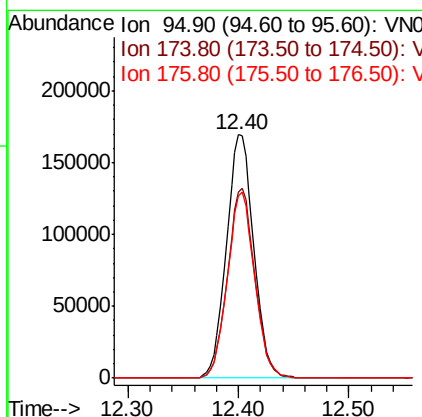
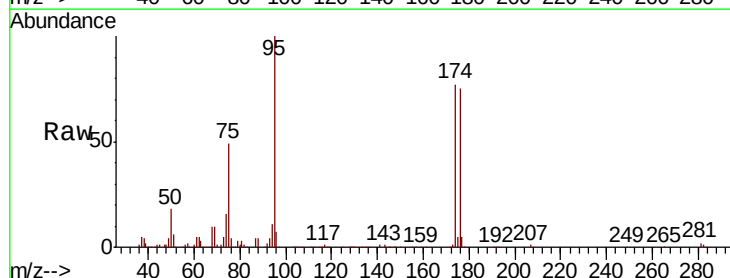
Instrument :
MSVOA_N
ClientSampled :
TR-04-110619

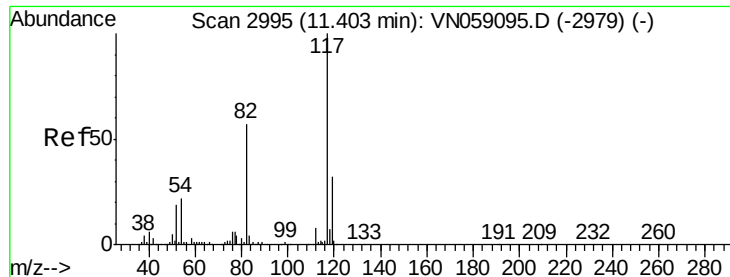
Tot Ion: 43 Resp: 126000
Ion Ratio Lower Upper
43 100
58 20.7 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 46.279 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059121.D
Acq: 7 Nov 2019 14:48

Tgt Ion: 95 Resp: 290940
Ion Ratio Lower Upper
95 100
174 78.0 0.0 158.2
176 76.1 0.0 151.8

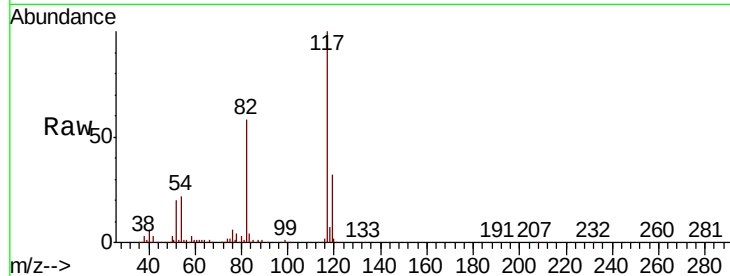




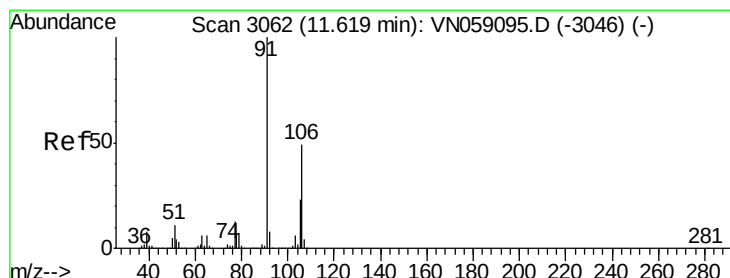
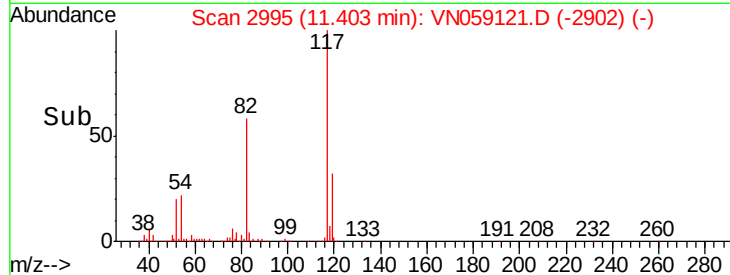
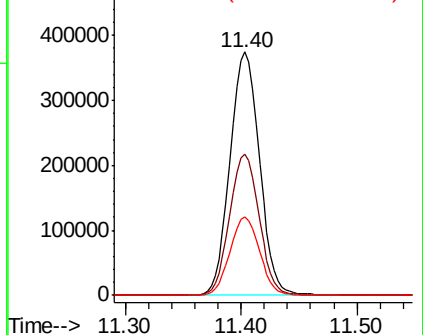
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059121.D
Acq: 7 Nov 2019 14:48

Instrument :
MSVOA_N
ClientSampleId :
TR-04-110619

Tot Ion:117 Resp: 660540
Ion Ratio Lower Upper
117 100
82 58.2 45.8 68.8
119 32.1 25.8 38.6

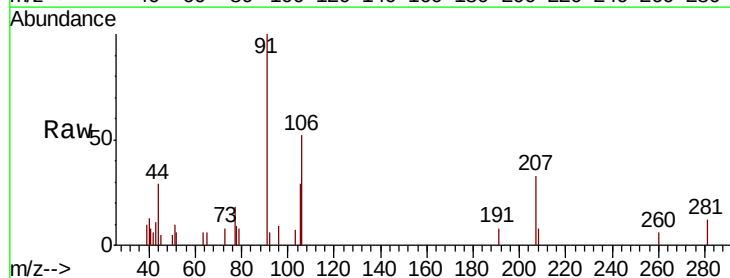


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

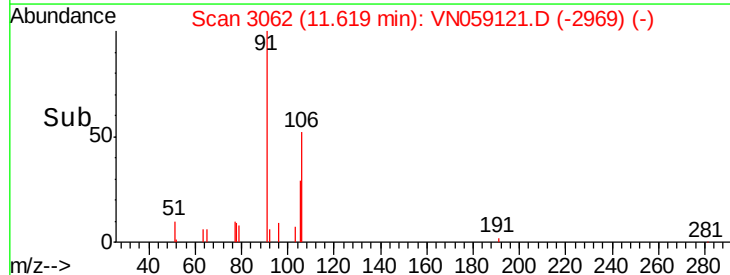
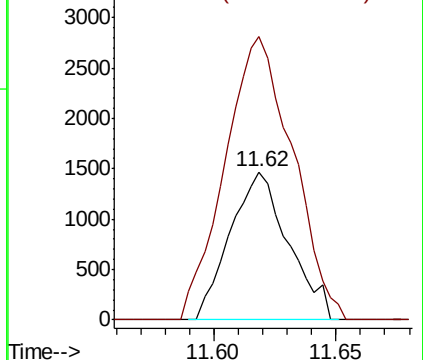


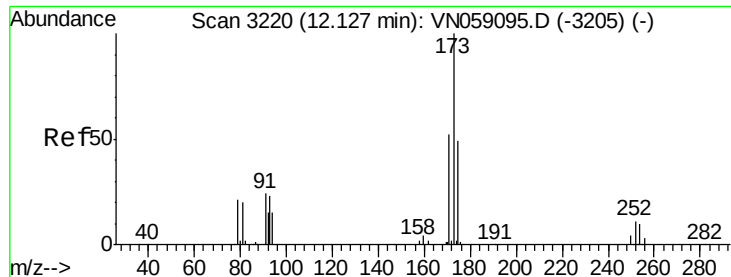
#68
m/p-Xylenes
Concen: 0.284 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059121.D
Acq: 7 Nov 2019 14:48

Tgt Ion:106 Resp: 2427
Ion Ratio Lower Upper
106 100
91 223.2 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 0.421 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

TR-04-110619

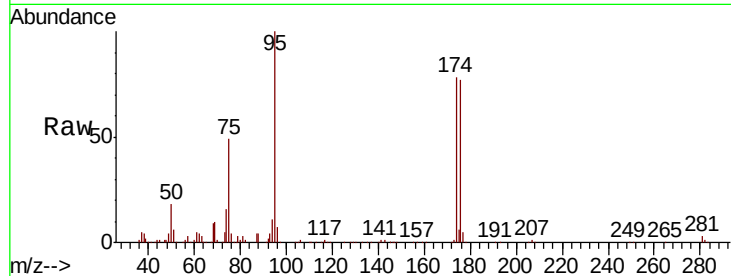
Tot Ion:173 Resp: 1582

Ion Ratio Lower Upper

173 100

175 895.1 24.2 72.6#

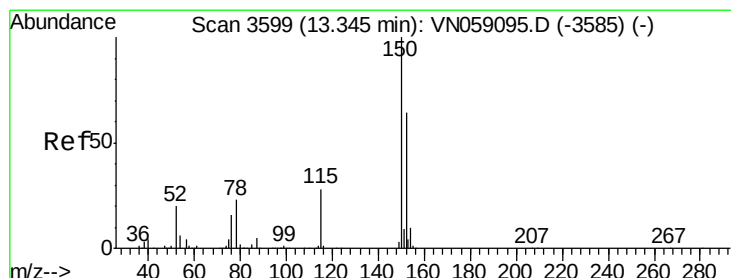
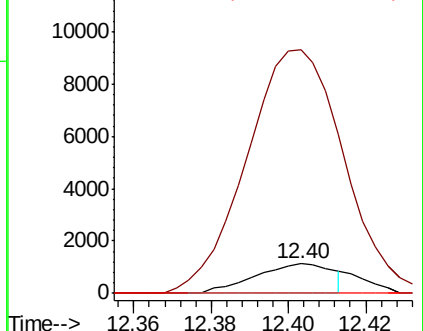
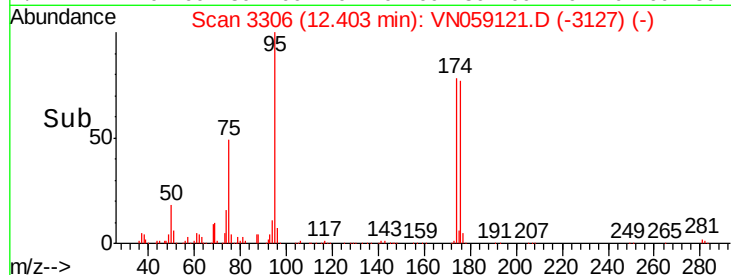
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

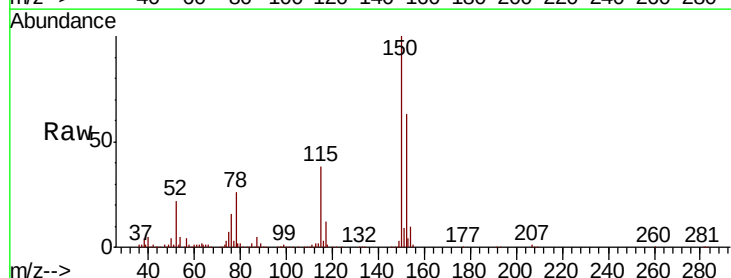
Tgt Ion:152 Resp: 242745

Ion Ratio Lower Upper

152 100

115 59.2 29.4 88.2

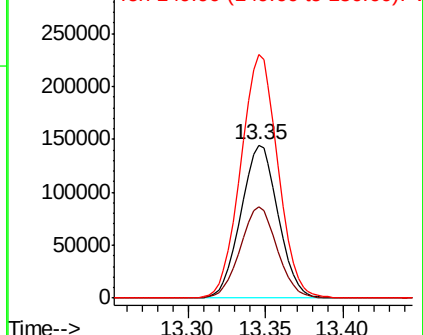
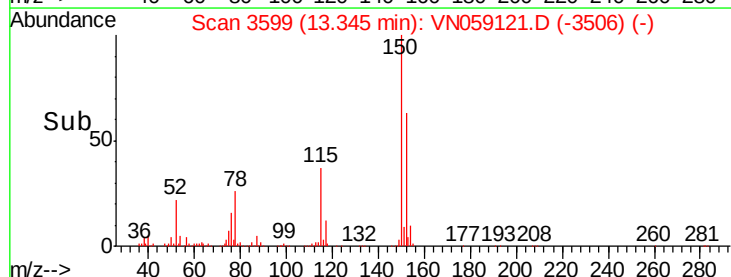
150 158.7 0.0 345.8

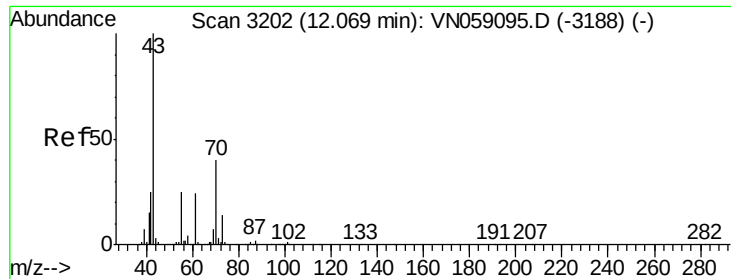


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyl acetate

Concen: 0.481 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

Instrument :

MSVOA_N

ClientSampled :

TR-04-110619

Tot Ion: 43 Resp: 3598

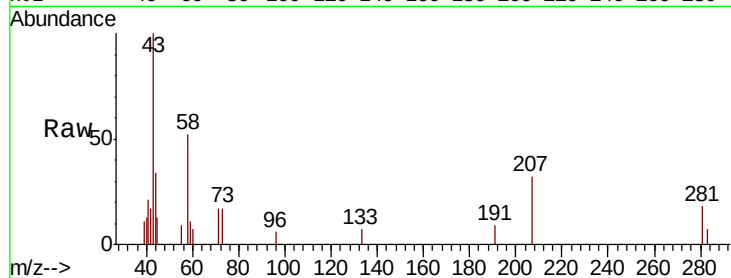
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.4#

55 4.4 20.4 30.6#

61 0.0 19.3 28.9#

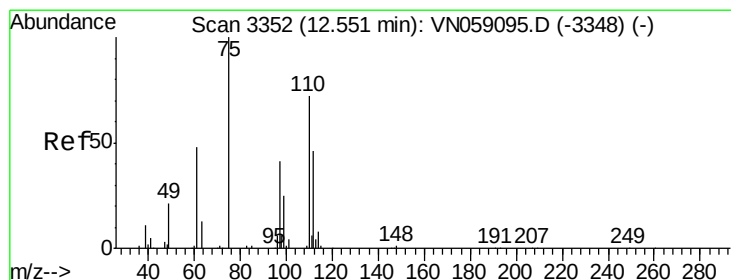
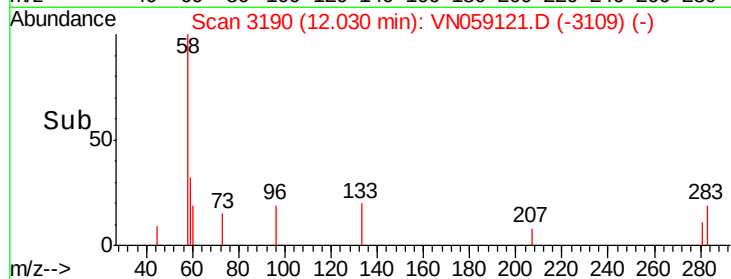
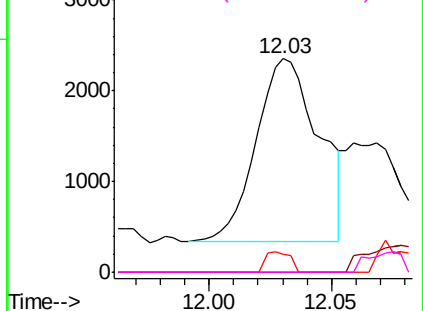


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 70.00 (69.70 to 70.70): VNC

Ion 55.00 (54.70 to 55.70): VNC

Ion 61.00 (60.70 to 61.70): VNC



#76

1,2,3-Trichloropropane

Concen: 26.422 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059121.D

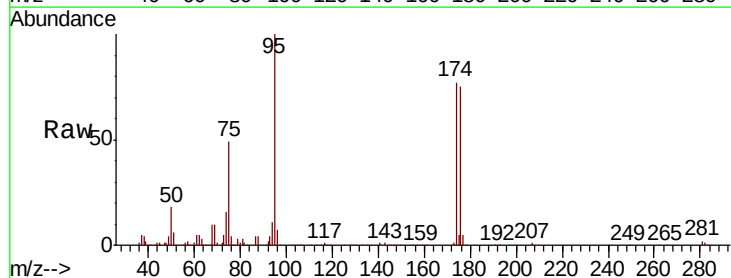
Acq: 7 Nov 2019 14:48

Tgt Ion: 75 Resp: 146019

Ion Ratio Lower Upper

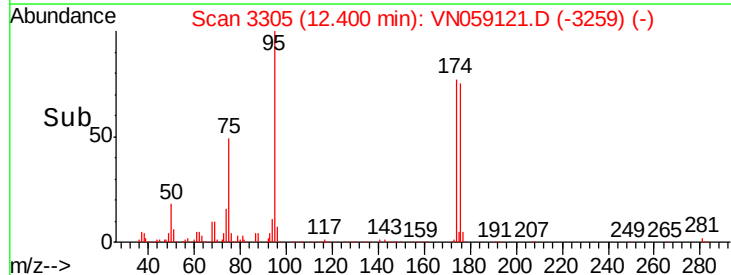
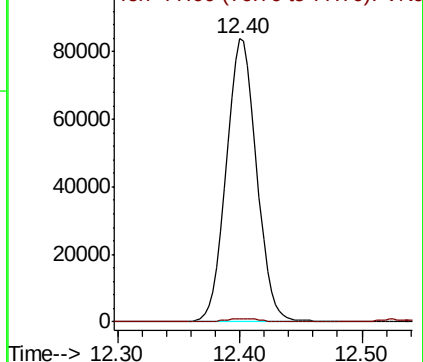
75 100

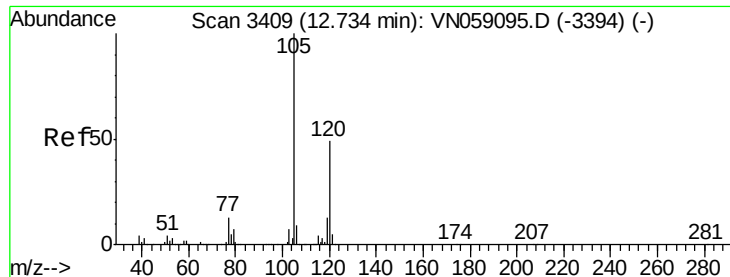
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#80

1,3,5-Trimethylbenzene

Concen: 0.424 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

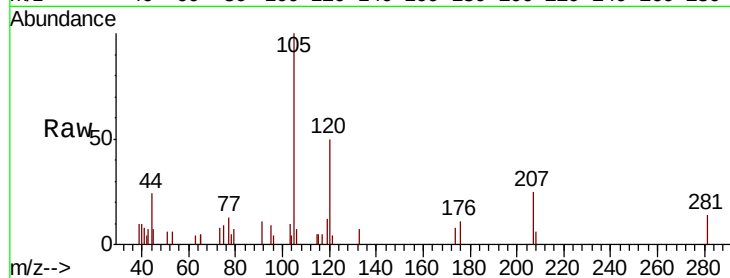
TR-04-110619

Tot Ion:105 Resp: 6346

Ion Ratio Lower Upper

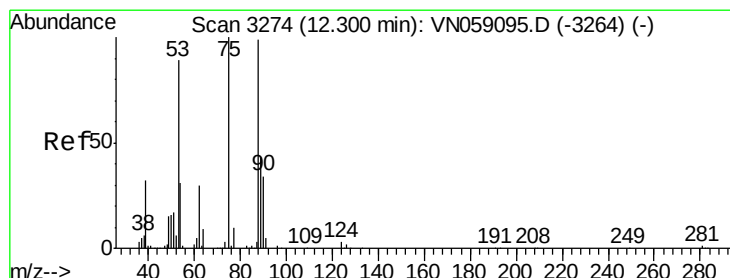
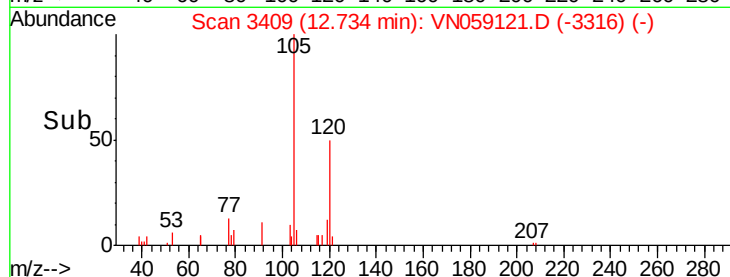
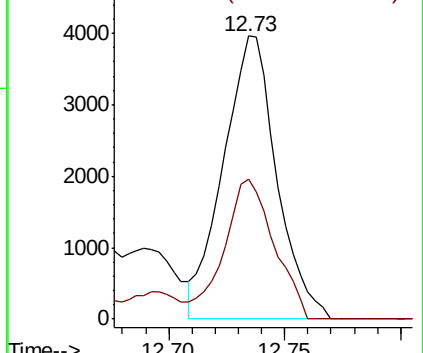
105 100

120 46.0 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 69.787 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

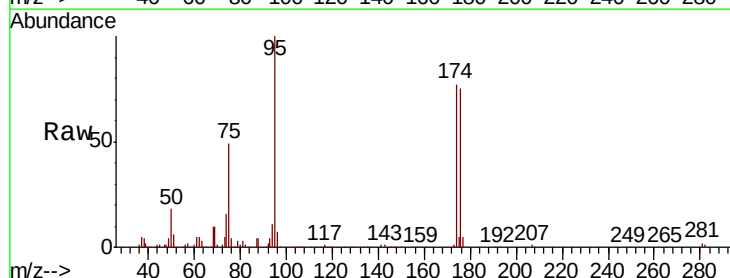
Tgt Ion: 75 Resp: 146019

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

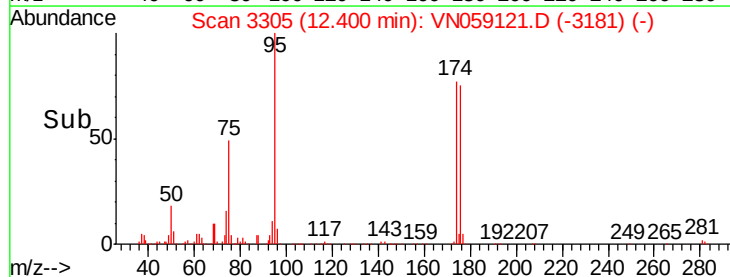
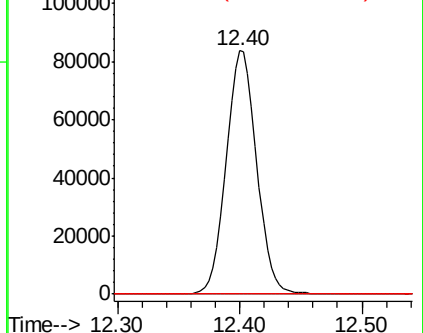
89 0.0 35.8 53.8#

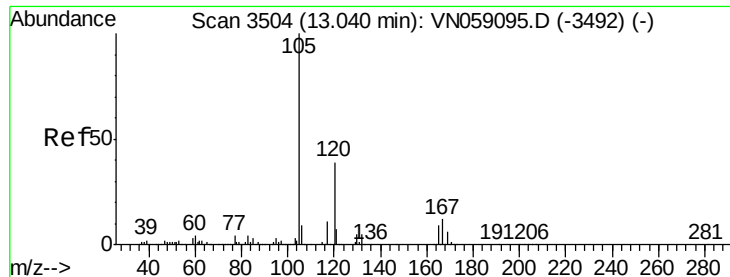


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.825 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

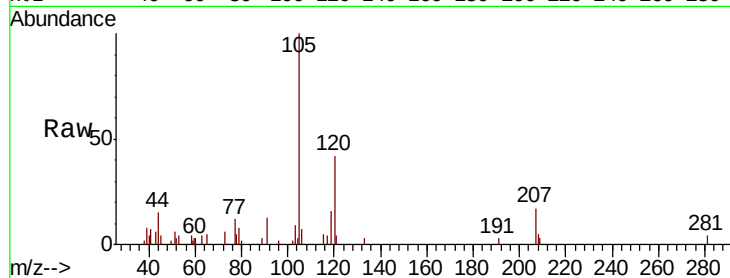
TR-04-110619

Tot Ion:105 Resp: 11948

Ion Ratio Lower Upper

105 100

120 42.3 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

8000

6000

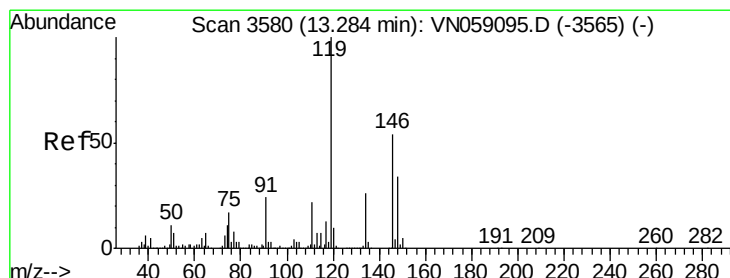
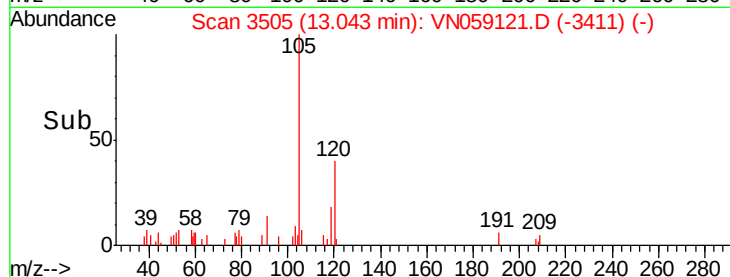
4000

2000

0

Time-->

13.00 13.05 13.10



#87

1,3-Dichlorobenzene

Concen: 0.220 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

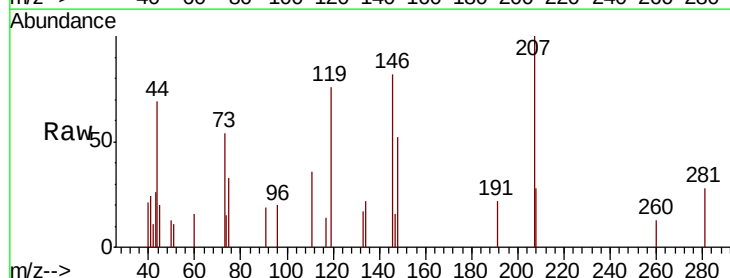
Tgt Ion:146 Resp: 1674

Ion Ratio Lower Upper

146 100

111 37.0 20.4 61.3

148 75.7 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

2000

1500

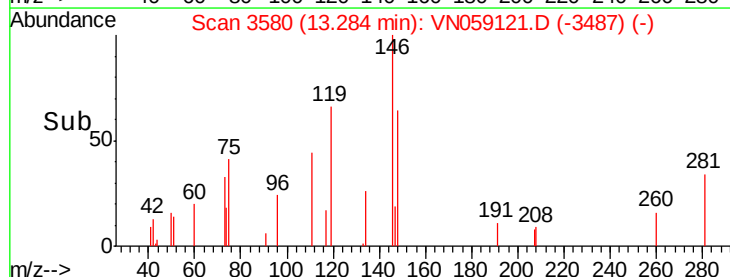
1000

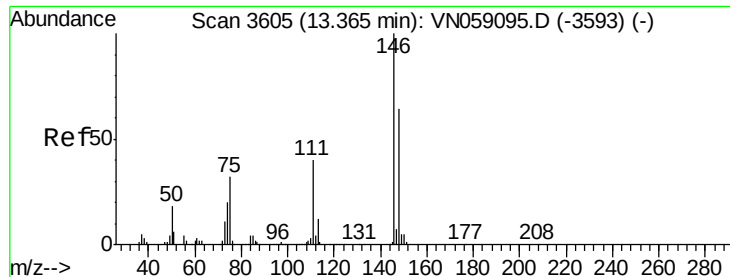
500

0

Time-->

13.25 13.30





#88

1,4-Dichlorobenzene

Concen: 0.220 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

Instrument :

MSVOA_N

ClientSampled :

TR-04-110619

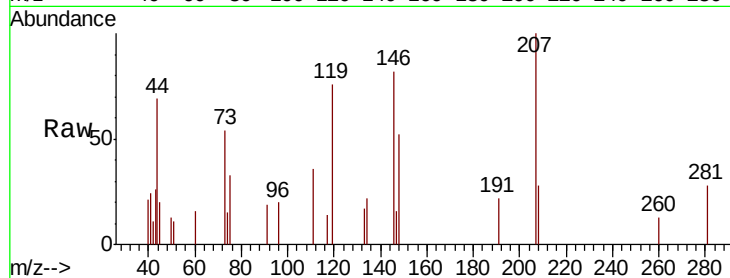
Tot Ion:146 Resp: 1674

Ion Ratio Lower Upper

146 100

111 37.0 20.3 60.9

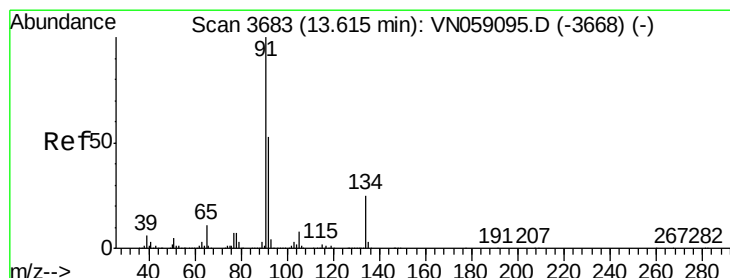
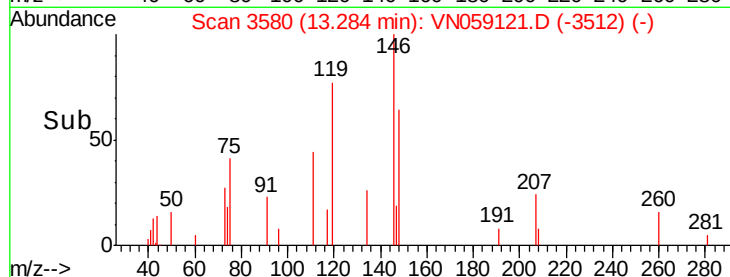
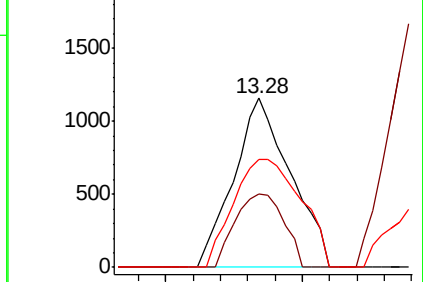
148 75.7 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.306 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

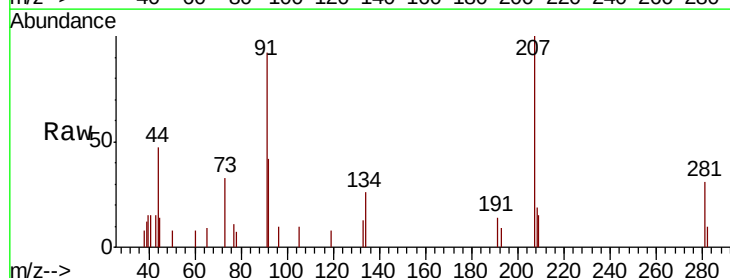
Tgt Ion: 91 Resp: 3973

Ion Ratio Lower Upper

91 100

92 35.7 26.1 78.3

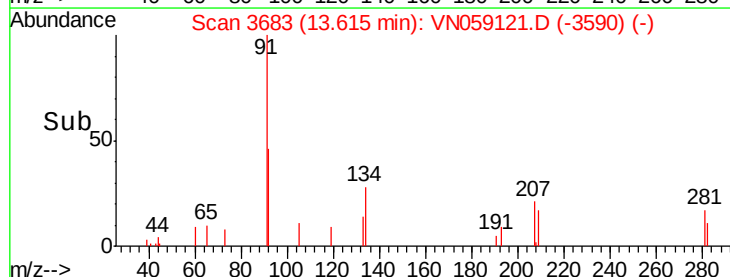
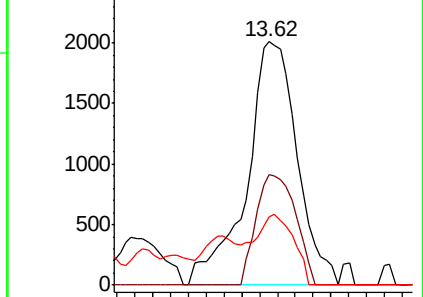
134 19.4 12.6 37.8

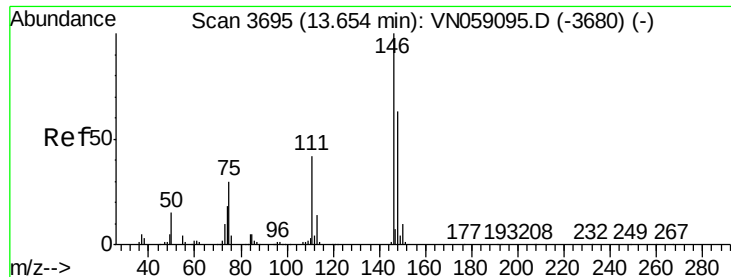


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.273 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

TR-04-110619

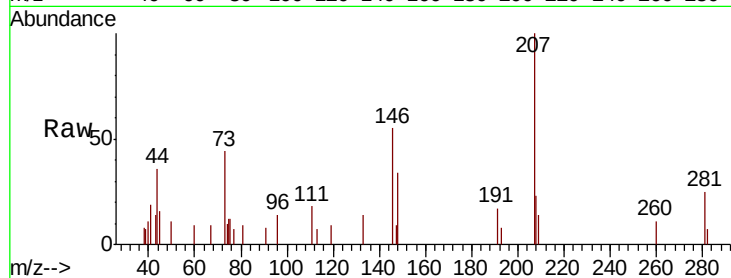
Tot Ion:146 Resp: 2041

Ion Ratio Lower Upper

146 100

111 31.2 21.2 63.6

148 66.7 31.6 94.7

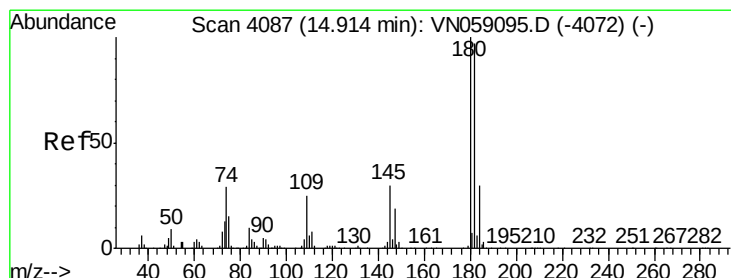
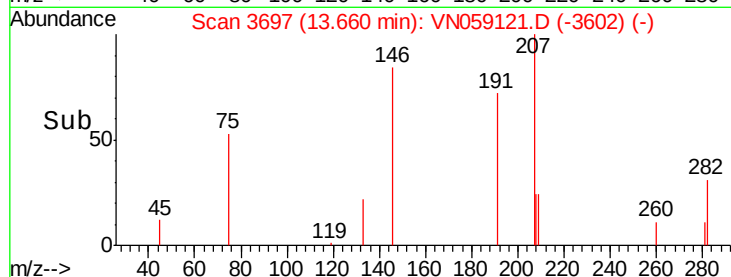
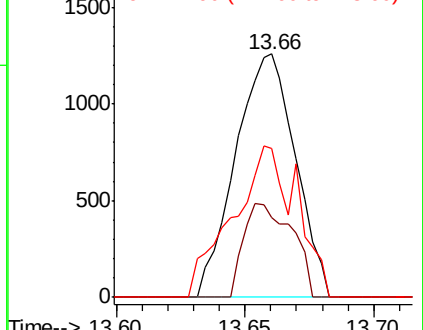


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 3.733 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

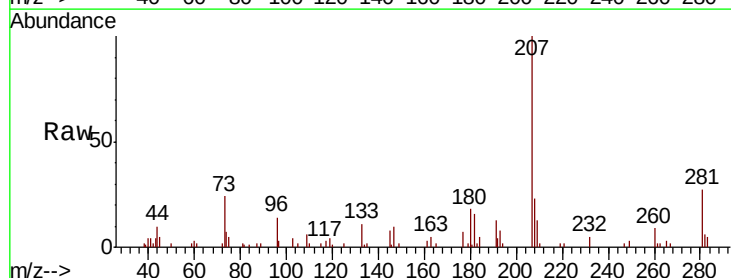
Tgt Ion:180 Resp: 3313

Ion Ratio Lower Upper

180 100

182 86.3 48.1 144.3

145 47.8 15.1 45.3#

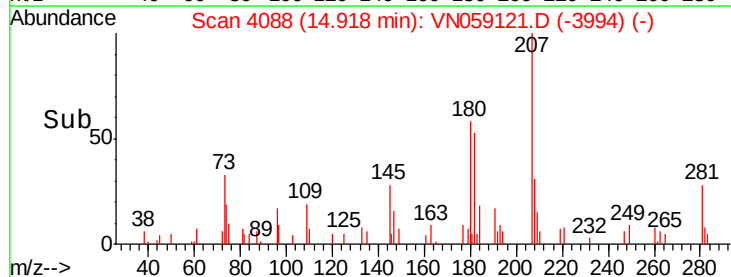
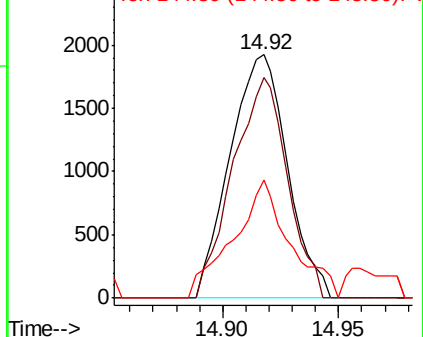


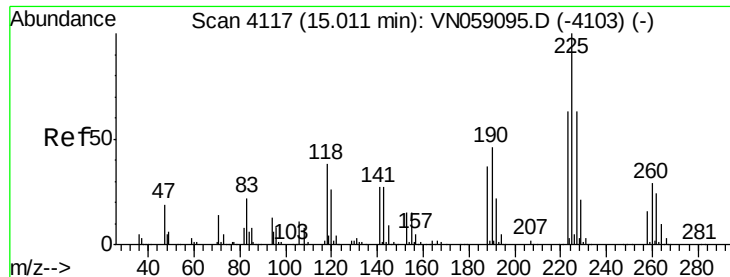
Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.243 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

Instrument :

MSVOA_N

ClientSampleId :

TR-04-110619

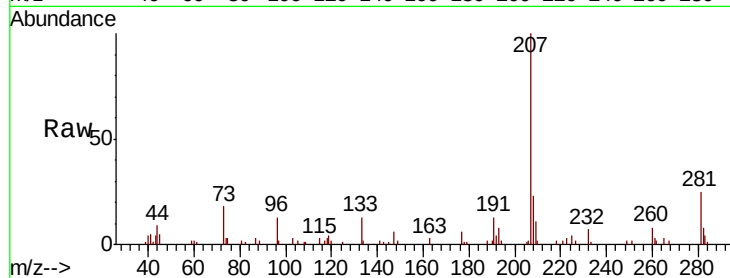
Tot Ion:225 Resp: 626

Ion Ratio Lower Upper

225 100

223 82.9 31.3 93.9

227 68.4 31.5 94.5

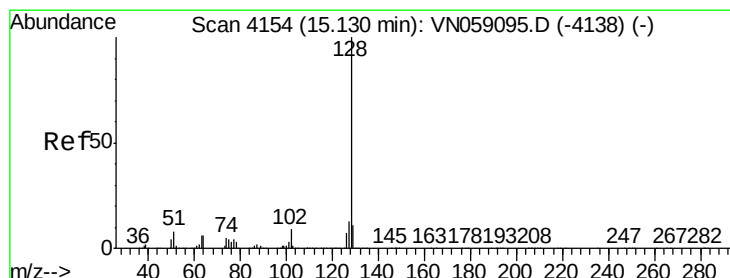
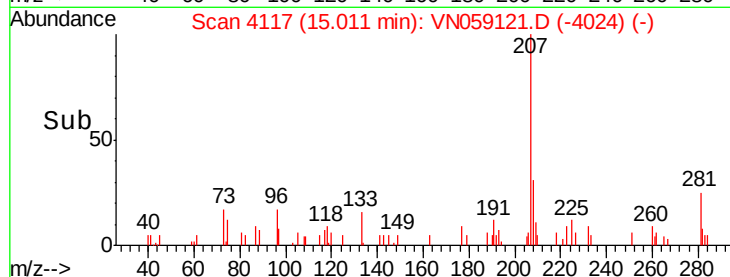
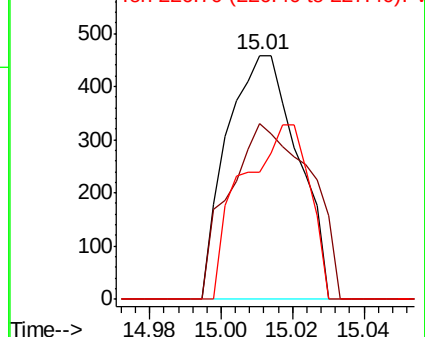


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 5.282 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059121.D

Acq: 7 Nov 2019 14:48

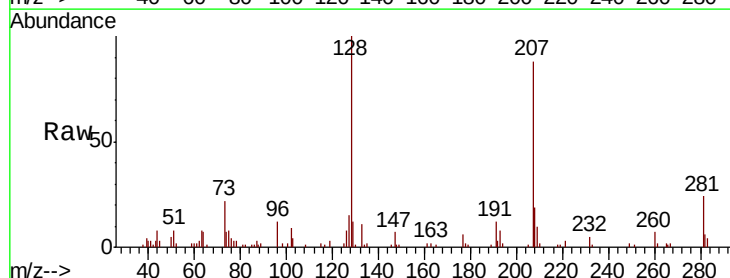
Tgt Ion:128 Resp: 29966

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.2

129 11.6 8.6 12.8

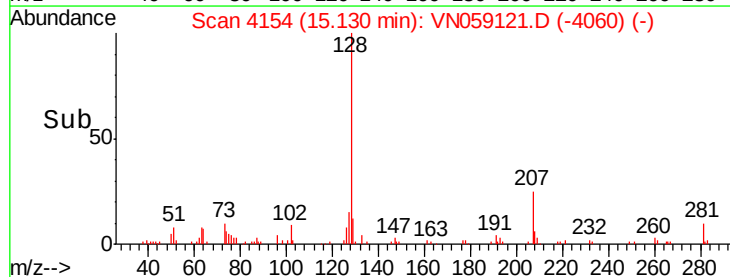
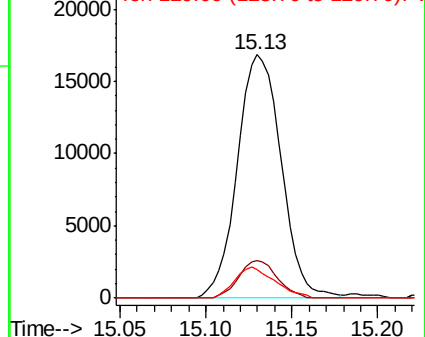


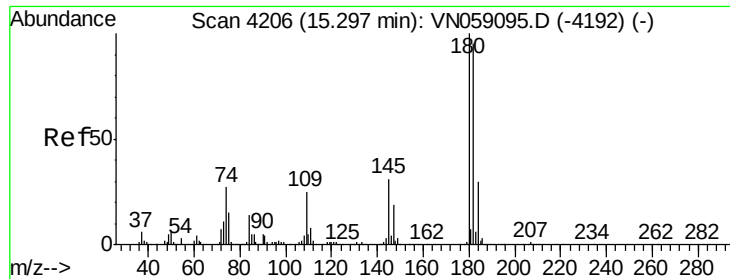
Abundance

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

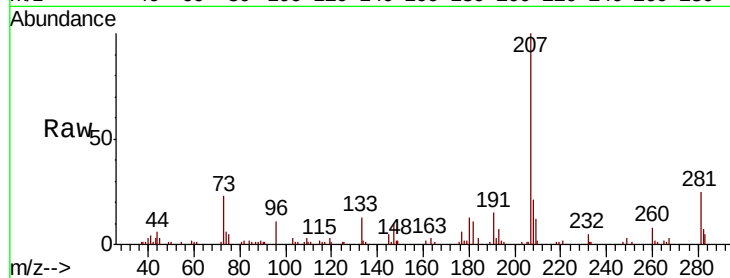




#96
 1,2,3-Trichlorobenzene
 Concen: 1.010 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN059121.D
 Acq: 7 Nov 2019 14:48

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-110619

Tot Ion	Ratio	Lower	Upper
180	100		
182	84.8	47.3	141.8
145	57.6	15.8	47.3#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

