

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055503.D
 Acq On : 9 May 2019 17:44
 Operator : JC/SP
 Sample : K2752-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 04:15:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	911294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1503652	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1271699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	402212	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	621890	45.32	ug/l	0.00
Spiked Amount			Recovery	=	90.64%	
35) Dibromofluoromethane	7.59	113	474035	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
50) Toluene-d8	10.09	98	1854079	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.40	95	556846	43.69	ug/l	0.00
Spiked Amount			Recovery	=	87.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	10416	5.141	ug/l #	82
14) Allyl chloride	4.08	41	26099	1.279	ug/l #	55
16) Acetone	3.82	43	1148183	180.723	ug/l	100
17) Carbon Disulfide	4.05	76	70426	2.591	ug/l	99
18) Methyl Acetate	4.34	43	9952	Below Cal	#	74
25) 2-Butanone	6.84	43	3393382	386.655	ug/l	99
29) Tetrahydrofuran	7.20	42	13814	2.381	ug/l #	60
31) Cyclohexane	7.66	56	21296	0.962	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	73505	4.962	ug/l #	51
37) Ethyl Acetate	6.84	43	3393382	209.998	ug/l #	70
38) Carbon Tetrachloride	7.67	117	86714	6.952	ug/l #	15
40) Benzene	8.04	78	13079	0.284	ug/l	96
41) Methacrylonitrile	7.21	41	69183	9.224	ug/l #	39
49) 1,4-Dioxane	8.95	88	62	0.269	ug/l #	20
51) 4-Methyl-2-Pentanone	9.99	43	362334	22.441	ug/l	100
52) Toluene	10.16	92	686949	26.136	ug/l	99
53) t-1,3-Dichloropropene	10.15	75	7108	0.507	ug/l #	1
56) Ethyl methacrylate	10.43	69	24682	1.558	ug/l	93
67) Ethyl Benzene	11.51	91	23694	0.482	ug/l	98
68) m/p-Xylenes	11.62	106	27630	1.567	ug/l	98
69) o-Xylene	11.95	106	26993	1.557	ug/l	99
71) Bromoform	12.40	173	4096	0.674	ug/l #	1
73) Isopropylbenzene	12.24	105	5571	Below Cal		96
74) N-ethyl acetate	12.02	43	9656	0.632	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.50	83	422	Below Cal		95
76) 1,2,3-Trichloropropane	12.40	75	280232	25.593	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	280232	94.434	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.04	105	14135	0.479	ug/l	92
86) p-Isopropyltoluene	13.29	119	8888	0.298	ug/l #	73
93) 1,2,4-Trichlorobenzene	14.91	180	701	3.315	ug/l	83
94) Hexachlorobutadiene	15.01	225	326	Below Cal	#	38
95) Naphthalene	15.13	128	12575	3.643	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	796	2.540	ug/l #	84

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Quant Title : SW846 8260
QLast Update : Thu May 09 04:17:44 2019
Response via : Initial Calibration

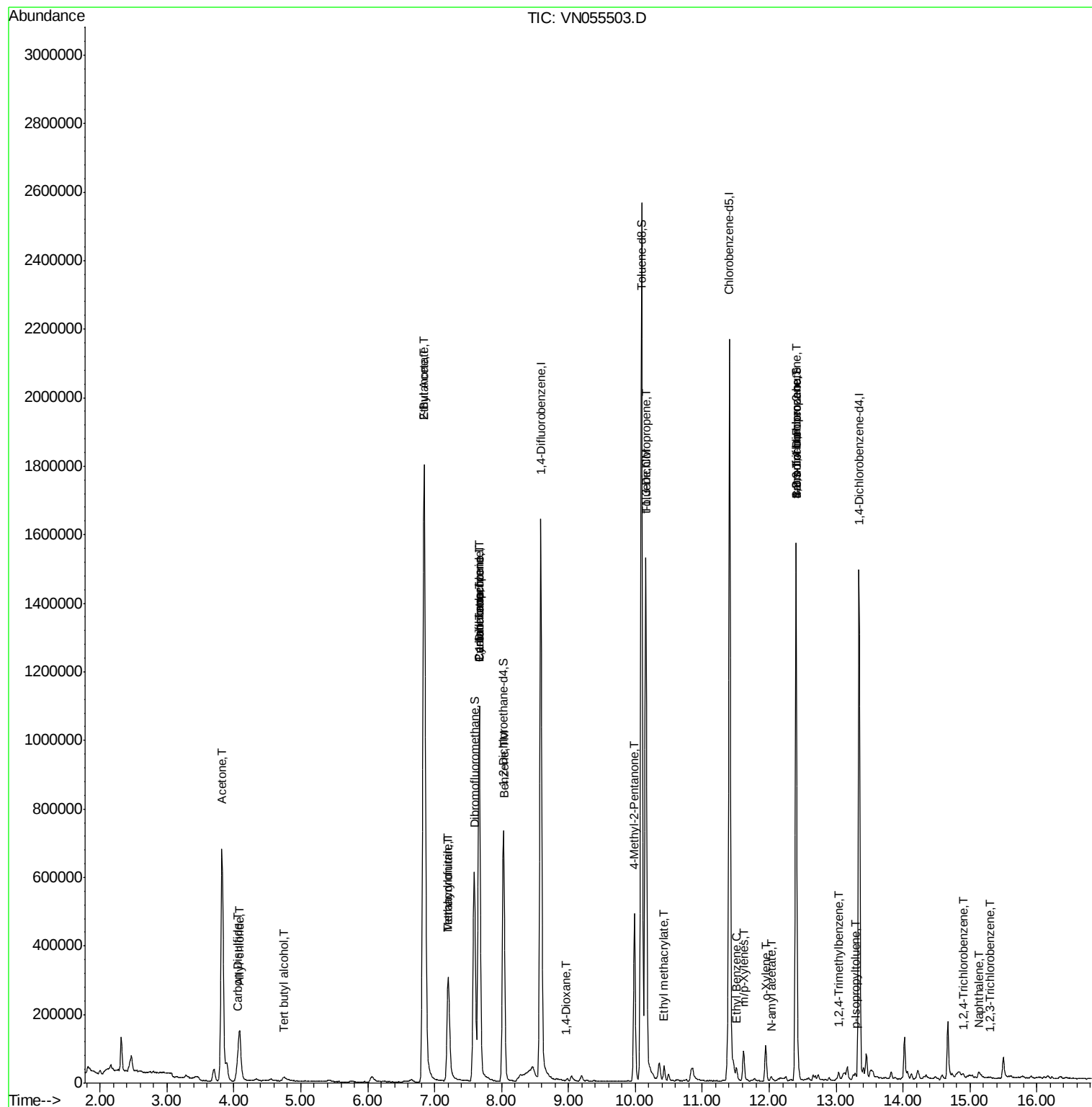
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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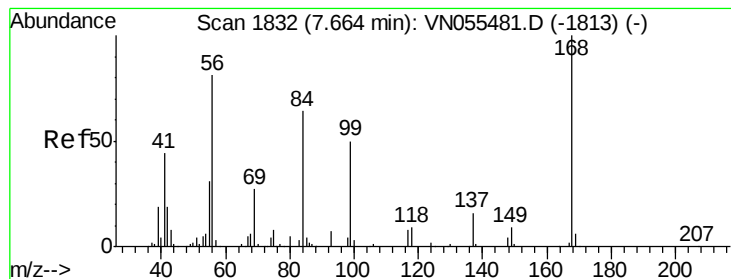
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055503.D

Acq: 9 May 2019 17:44

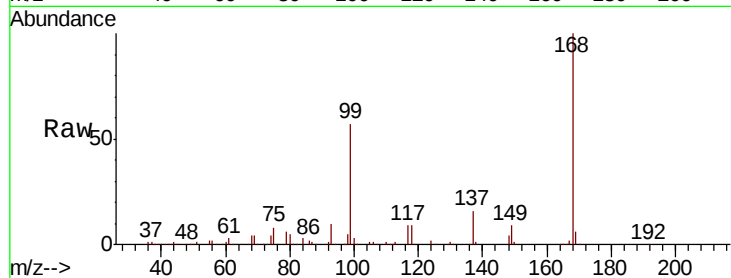
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 911294

Ion Ratio Lower Upper

168 100

99 56.9 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

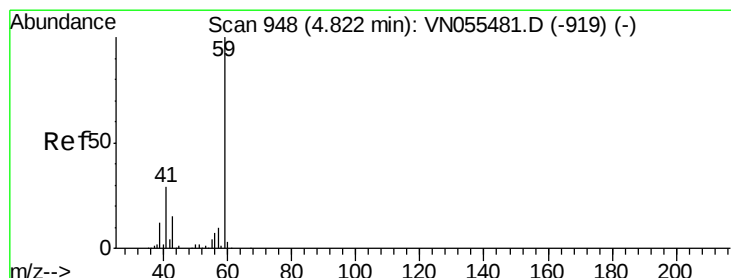
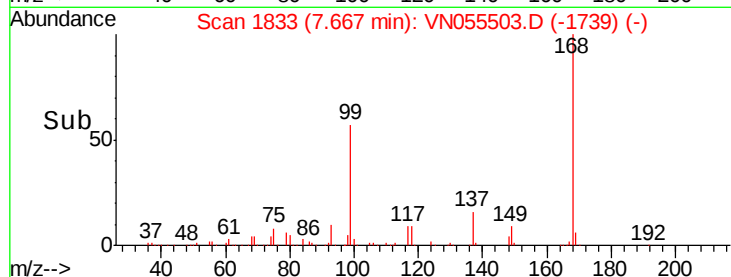
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.141 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.06 min

Lab File: VN055503.D

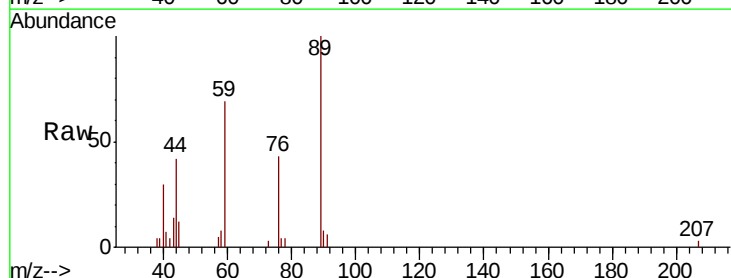
Acq: 9 May 2019 17:44

Tgt Ion: 59 Resp: 10416

Ion Ratio Lower Upper

59 100

57 3.5 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.76

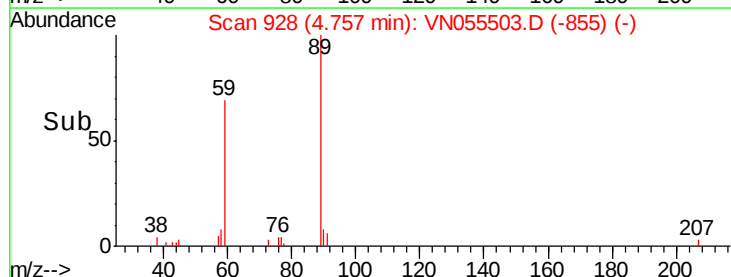
3000

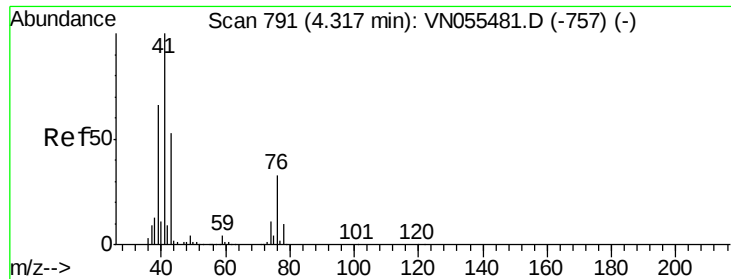
2000

1000

0

Time-->





#14

Allvl chloride

Concen: 1.279 ug/l

RT: 4.08 min Scan# 718

Delta R.T. -0.23 min

Lab File: VN055503.D

Acq: 9 May 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

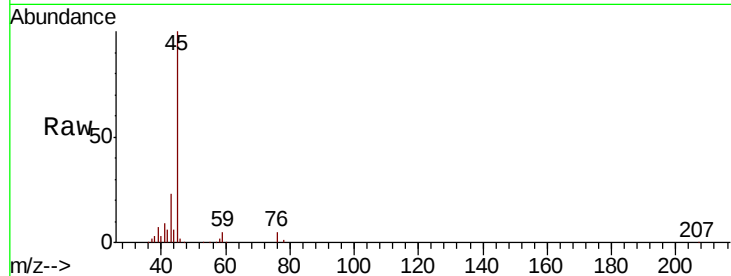
Tot Ion: 41 Resp: 26099

Ion Ratio Lower Upper

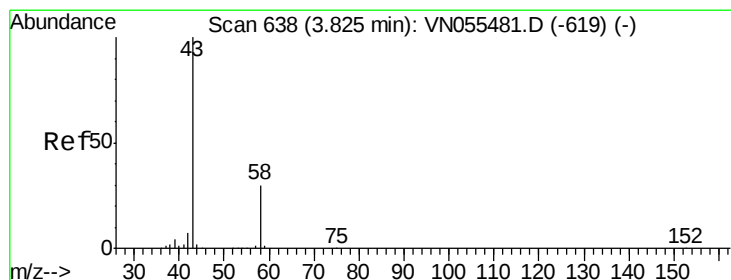
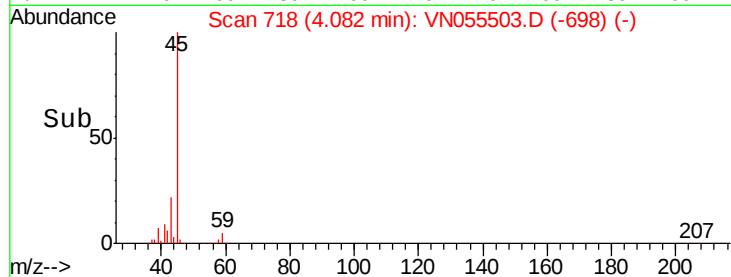
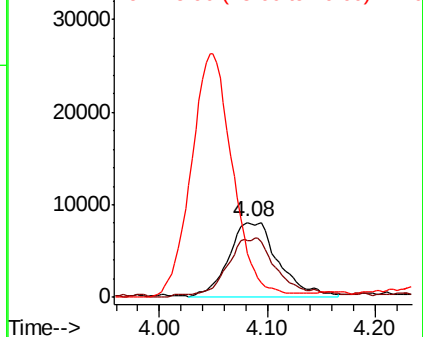
41 100

39 30.7 49.8 74.8#

76 0.0 23.5 35.3#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO



#16

Acetone

Concen: 180.723 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055503.D

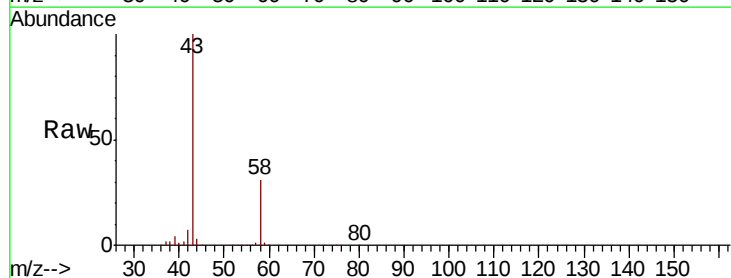
Acq: 9 May 2019 17:44

Tgt Ion: 43 Resp: 1148183

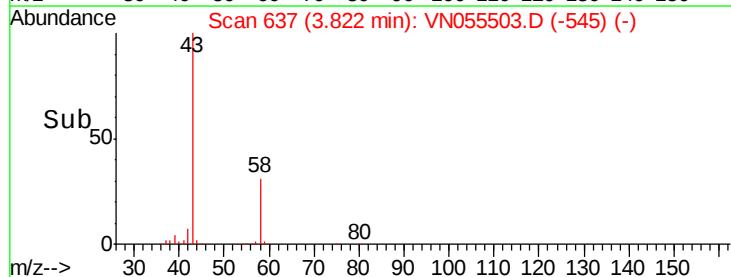
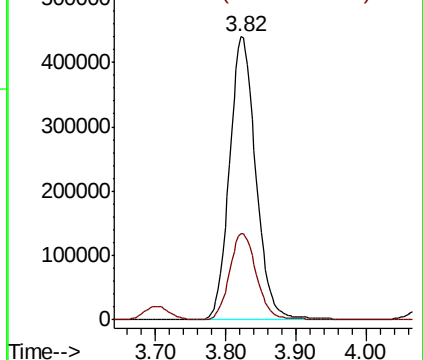
Ion Ratio Lower Upper

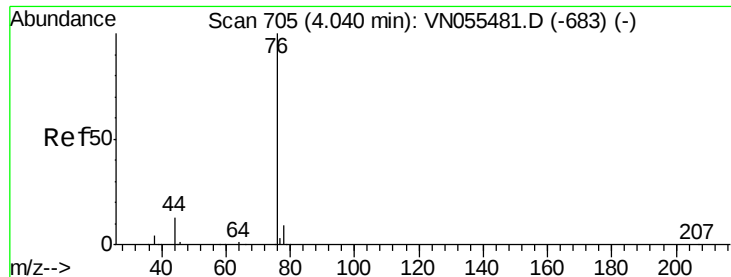
43 100

58 30.4 24.2 36.2



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

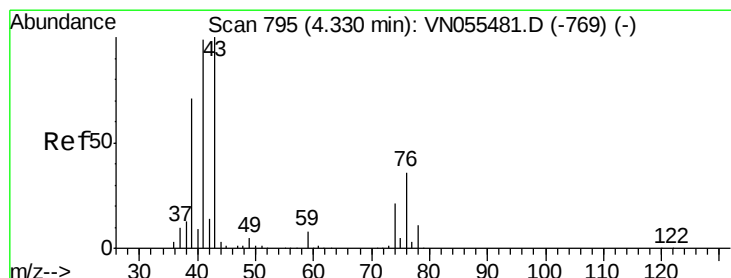
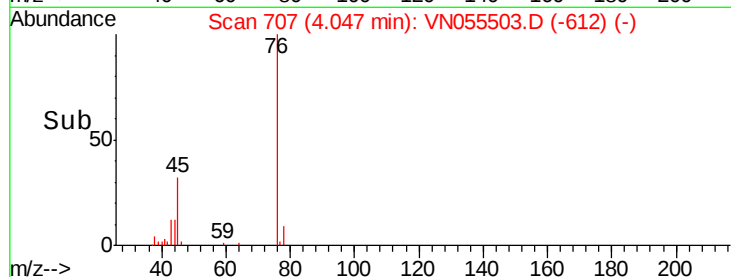
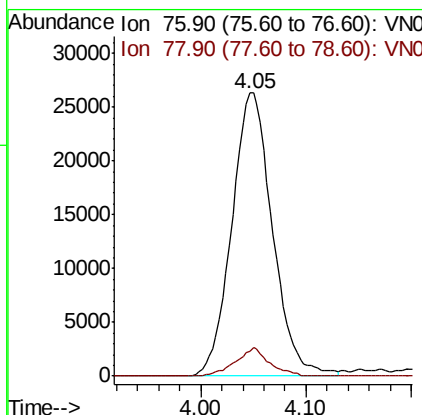
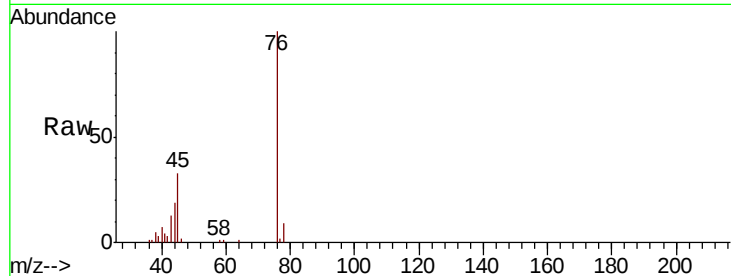




#17
Carbon Disulfide
Concen: 2.591 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.01 min
Lab File: VN055503.D
Acq: 9 May 2019 17:44

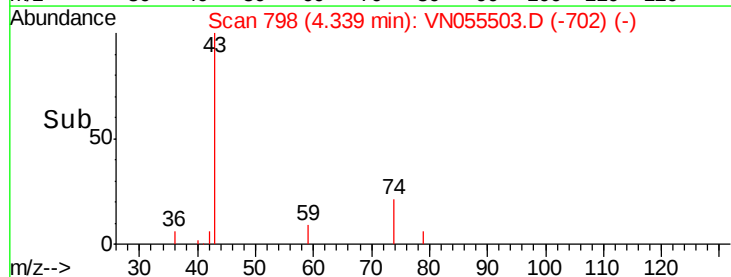
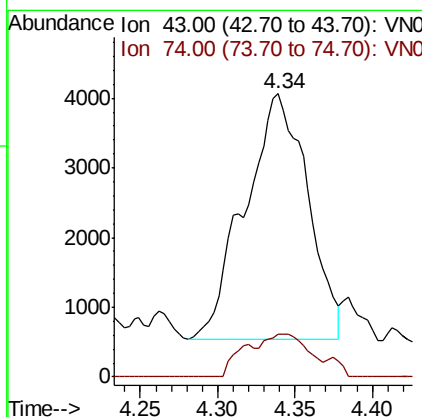
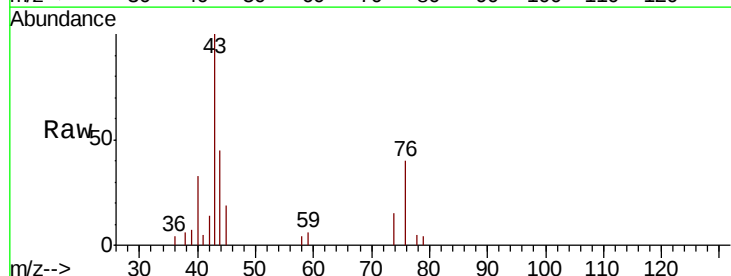
Instrument :
MSVOA_N
ClientSampled :

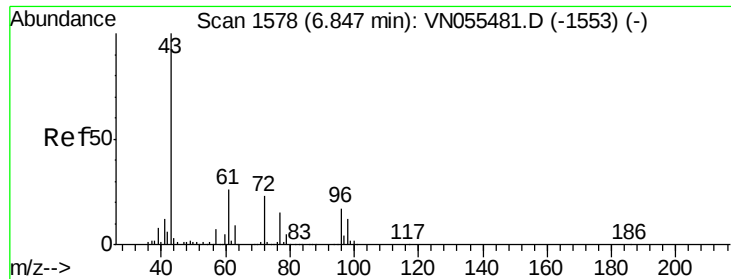
Tot Ion: 76 Resp: 70426
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN055503.D
Acq: 9 May 2019 17:44

Tgt Ion: 43 Resp: 9952
Ion Ratio Lower Upper
43 100
74 8.2 16.3 24.5#

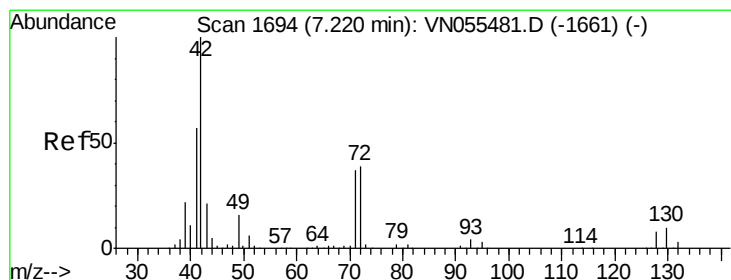
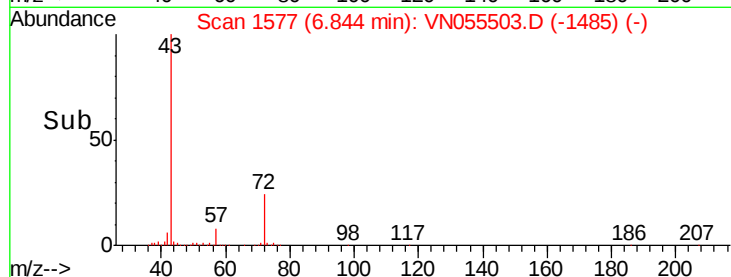
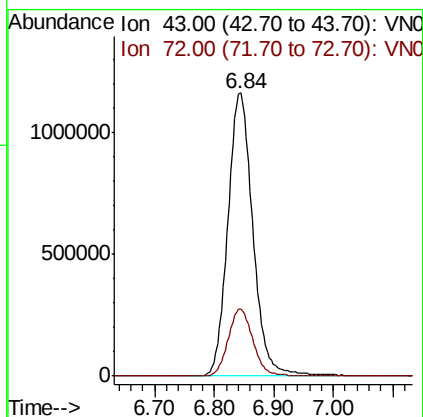
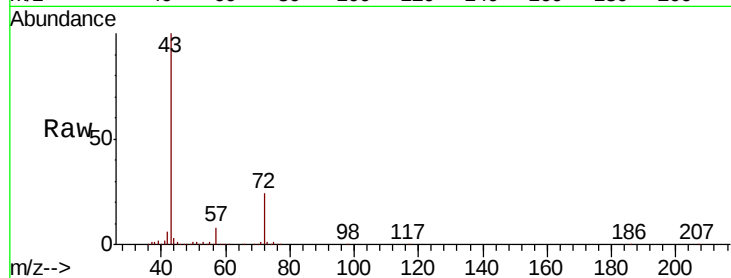




#25
2-Butanone
Concen: 386.655 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VN055503.D
Acq: 9 May 2019 17:44

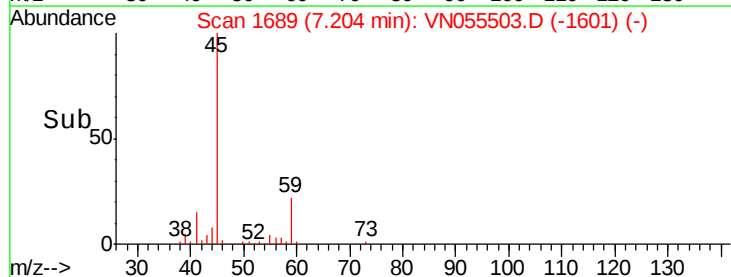
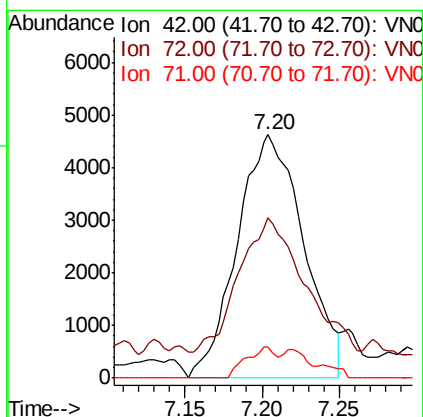
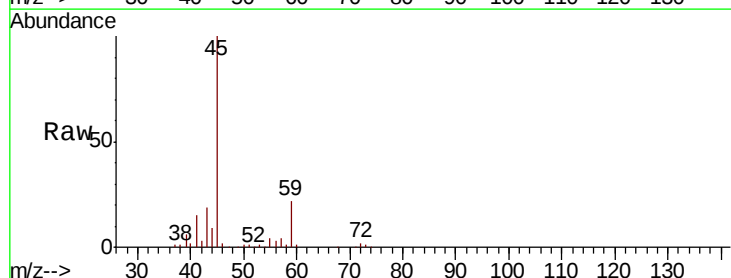
Instrument :
MSVOA_N
ClientSampled :

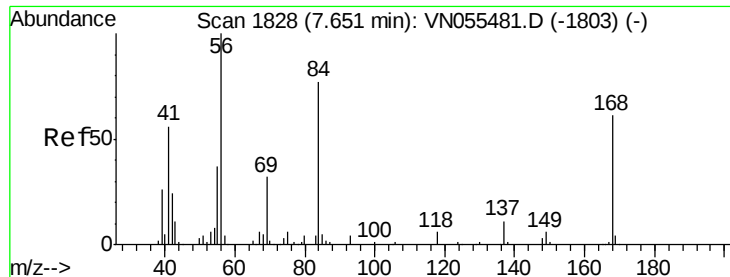
Tot Ion: 43 Resp: 3393382
Ion Ratio Lower Upper
43 100
72 23.8 18.6 27.8



#29
Tetrahydrofuran
Concen: 2.381 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.02 min
Lab File: VN055503.D
Acq: 9 May 2019 17:44

Tgt Ion: 42 Resp: 13814
Ion Ratio Lower Upper
42 100
72 56.0 31.0 46.6#
71 5.8 29.4 44.2#





#31

Cyclohexane

Concen: 0.962 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN055503.D

Acq: 9 May 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :

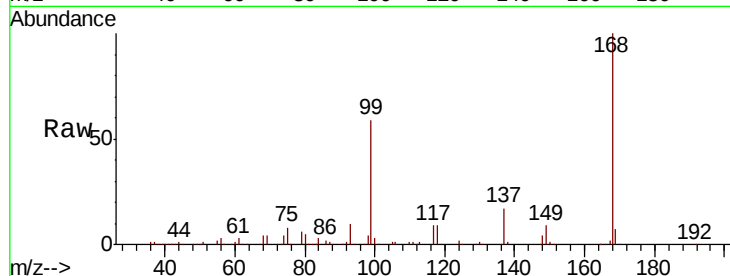
Tot Ion: 56 Resp: 21296

Ion Ratio Lower Upper

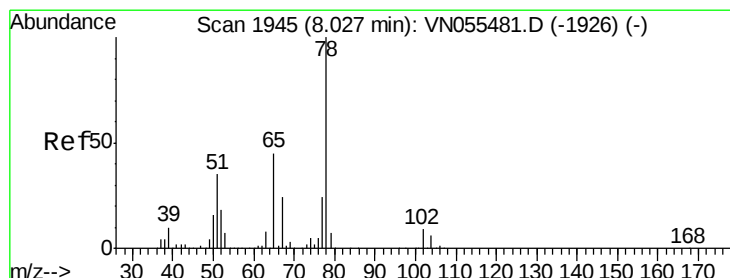
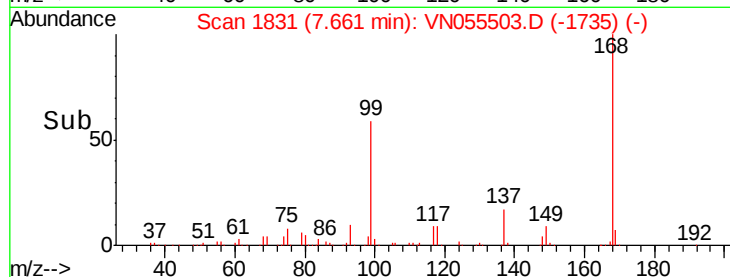
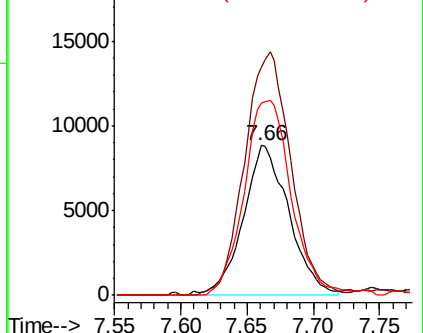
56 100

69 152.4 26.0 39.0#

84 128.4 61.9 92.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 45.324 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055503.D

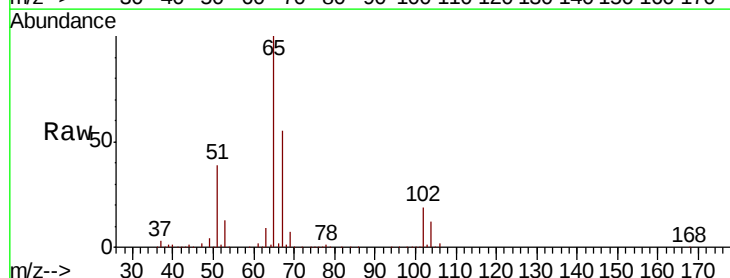
Acq: 9 May 2019 17:44

Tgt Ion: 65 Resp: 621890

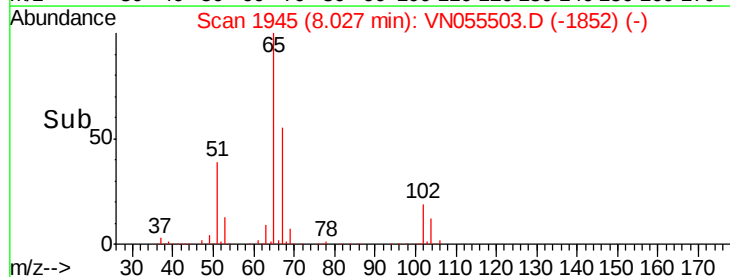
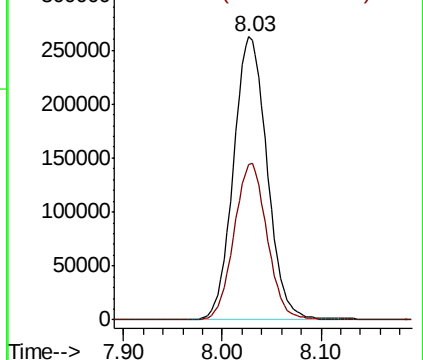
Ion Ratio Lower Upper

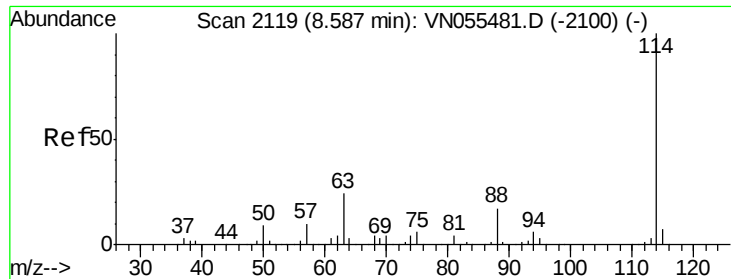
65 100

67 54.4 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

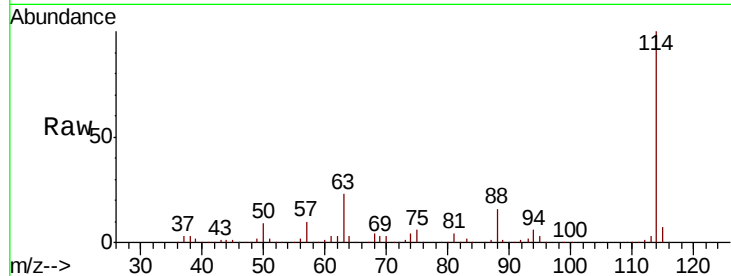




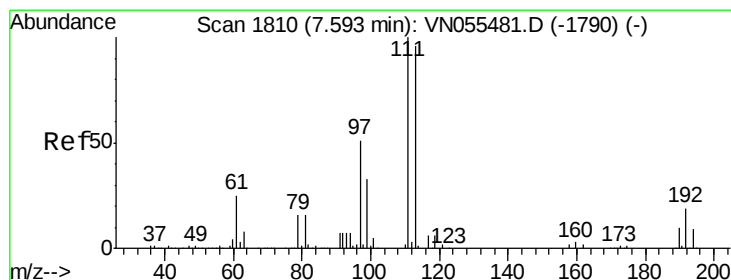
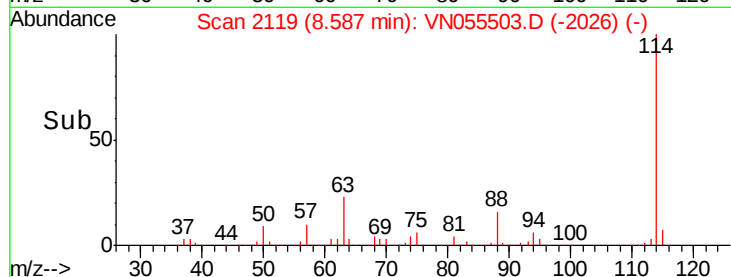
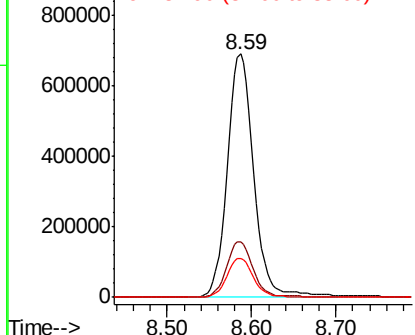
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055503.D
 Acq: 9 May 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1503652
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 47.4
 88 16.1 0.0 34.0

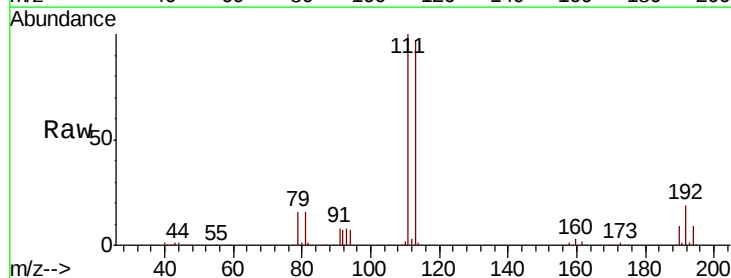


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

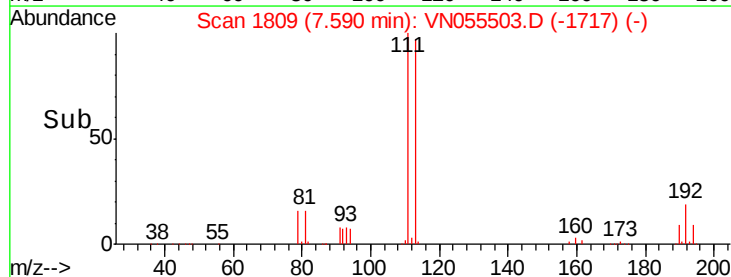
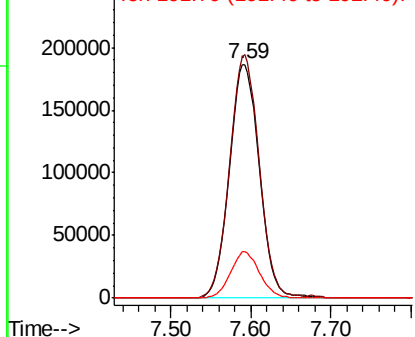


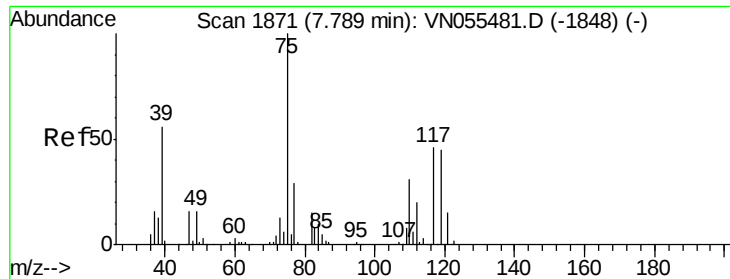
#35
 Dibromofluoromethane
 Concen: 48.871 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055503.D
 Acq: 9 May 2019 17:44

Tgt Ion:113 Resp: 474035
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.9 124.3
 192 19.5 15.6 23.4



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

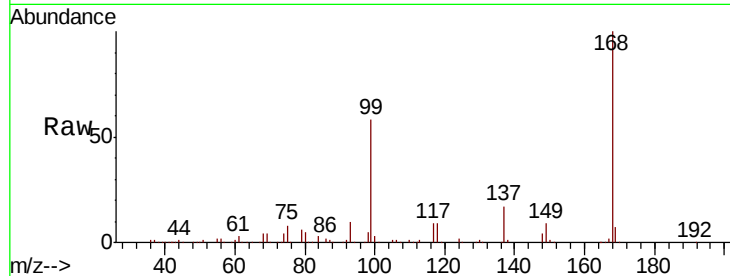




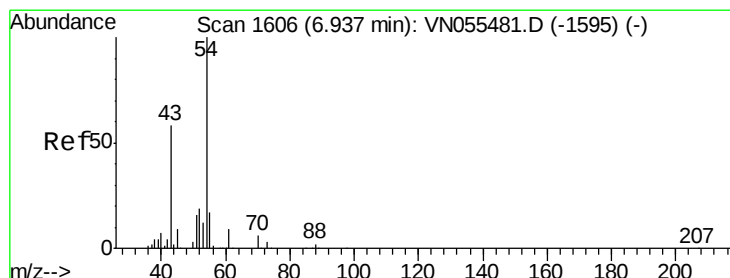
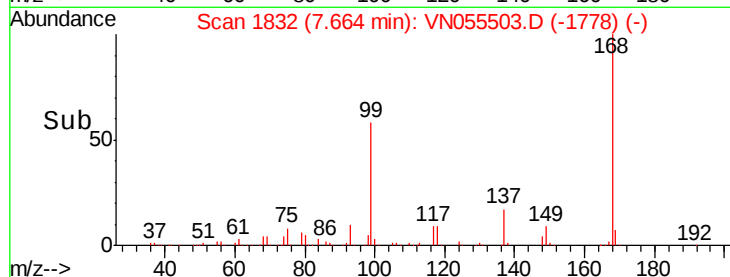
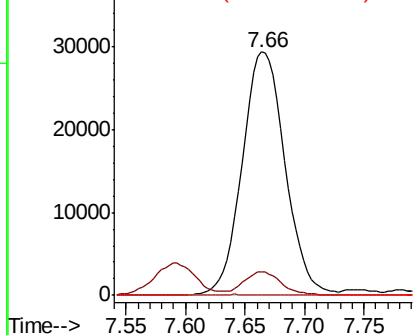
#36
 1,1-Dichloropropene
 Concen: 4.962 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055503.D
 Acq: 9 May 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 73505
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.1 48.3#
 77 0.0 24.6 37.0#

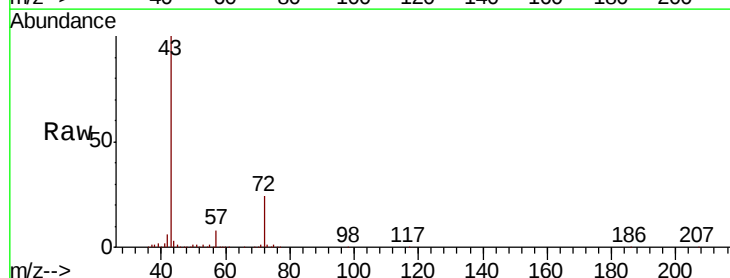


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0

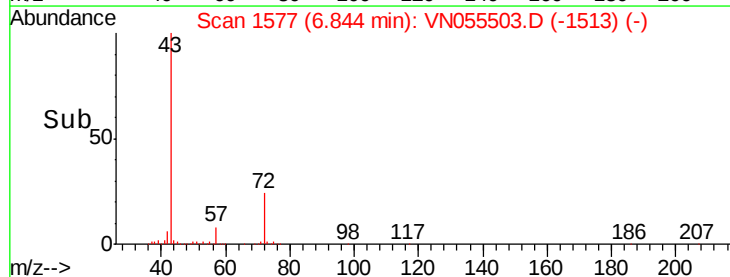
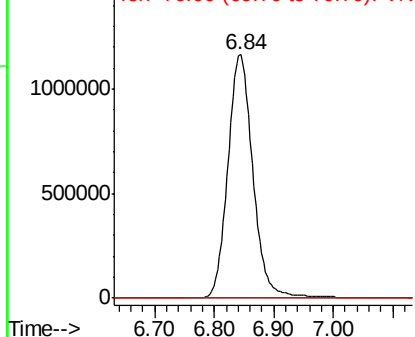


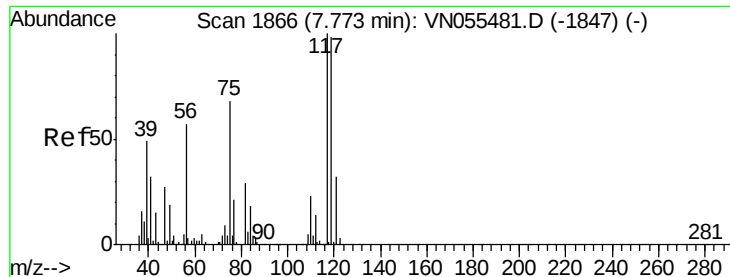
#37
 Ethyl Acetate
 Concen: 209.998 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.09 min
 Lab File: VN055503.D
 Acq: 9 May 2019 17:44

Tgt Ion: 43 Resp: 3393382
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.2 7.0 10.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 6.952 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055503.D

Acq: 9 May 2019 17:44

Instrument :

MSVOA_N

ClientSampled :

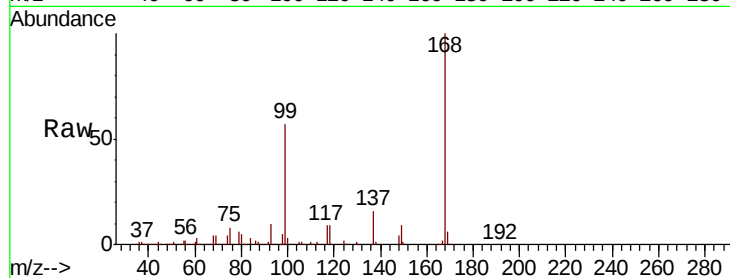
Tot Ion:117 Resp: 86714

Ion Ratio Lower Upper

117 100

119 4.7 77.8 116.6#

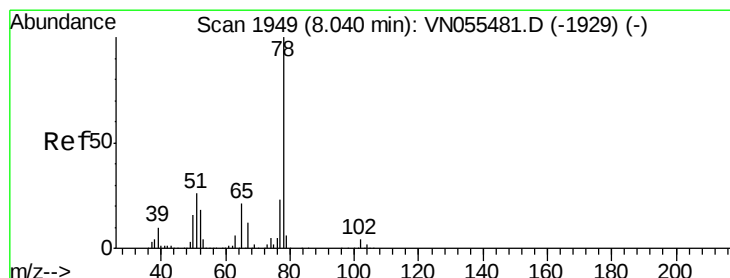
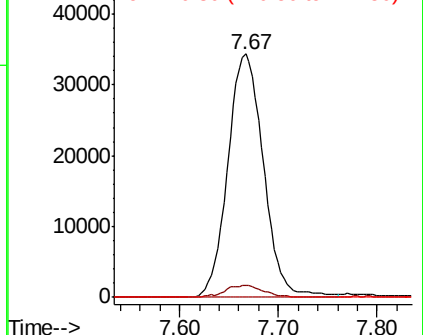
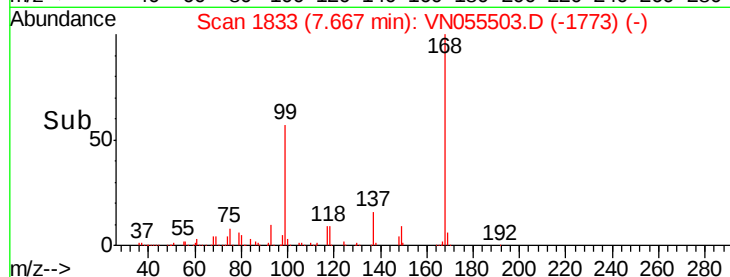
121 0.0 25.2 37.8#



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



#40

Benzene

Concen: 0.284 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055503.D

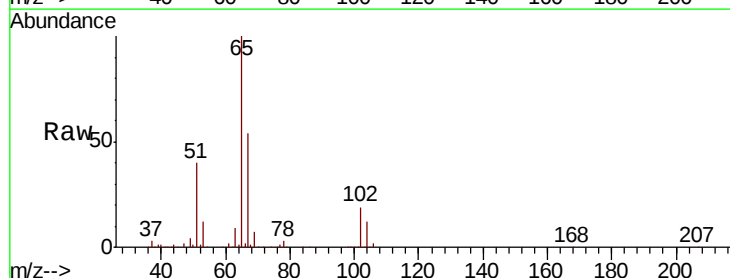
Acq: 9 May 2019 17:44

Tgt Ion: 78 Resp: 13079

Ion Ratio Lower Upper

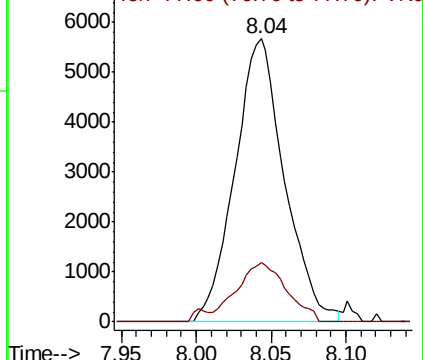
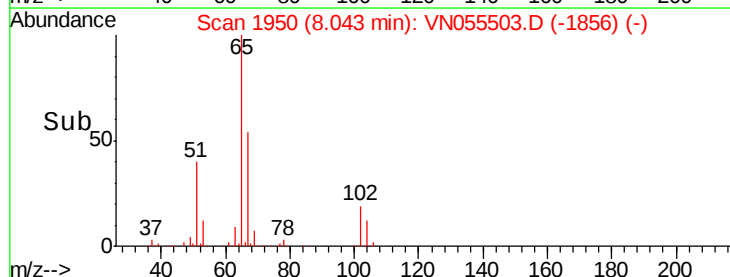
78 100

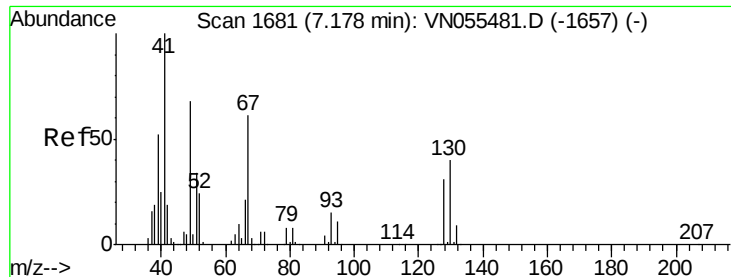
77 21.1 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

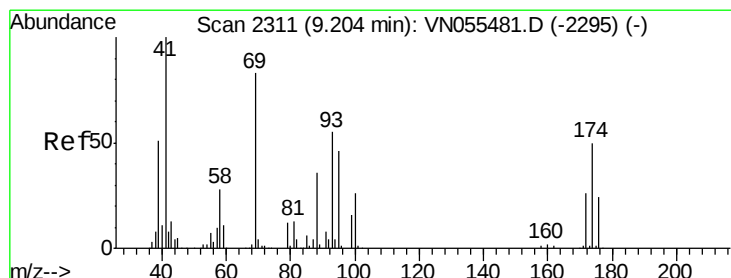
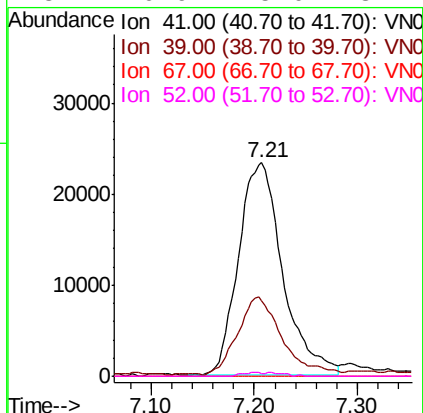
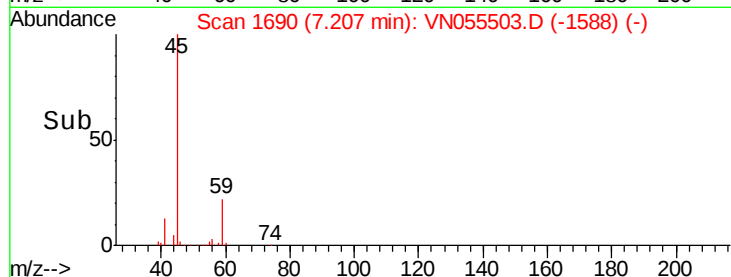
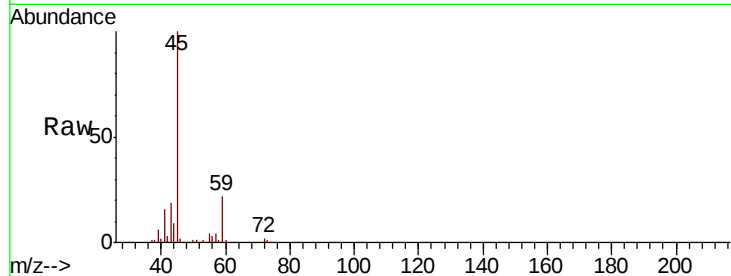




#41
Methacrylonitrile
Concen: 9.224 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.03 min
Lab File: VN055503.D
Acq: 9 May 2019 17:44

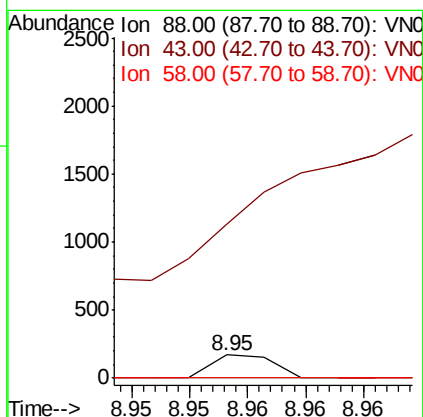
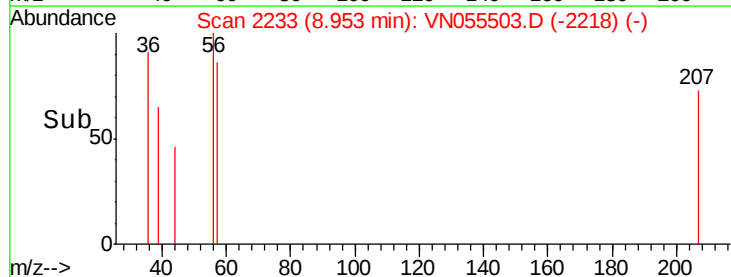
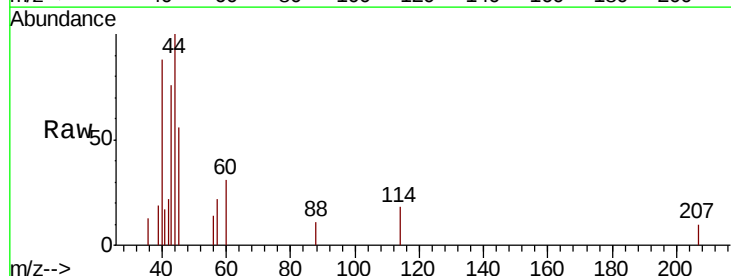
Instrument :
MSVOA_N
ClientSampled :

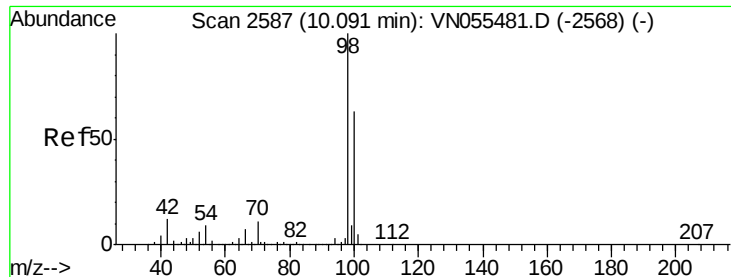
Tot Ion	Ratio	Lower	Upper
41	100		
39	36.1	44.7	67.1#
67	0.0	61.4	92.0#
52	0.9	25.0	37.4#



#49
1,4-Dioxane
Concen: 0.269 ug/l
RT: 8.95 min Scan# 2233
Delta R.T. -0.25 min
Lab File: VN055503.D
Acq: 9 May 2019 17:44

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.8	41.8#
58	0.0	61.8	92.6#





#50

Toluene-d8

Concen: 49.051 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055503.D

Acq: 9 May 2019 17:44

Instrument :

MSVOA_N

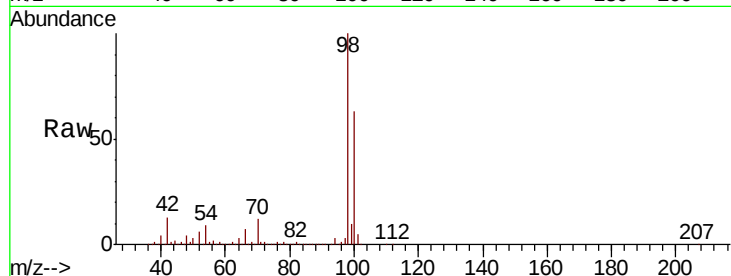
ClientSampled :

Tot Ion: 98 Resp: 1854079

Ion Ratio Lower Upper

98 100

100 63.2 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN055503.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055503.D (-2494) (-)

10.09

1000000

800000

600000

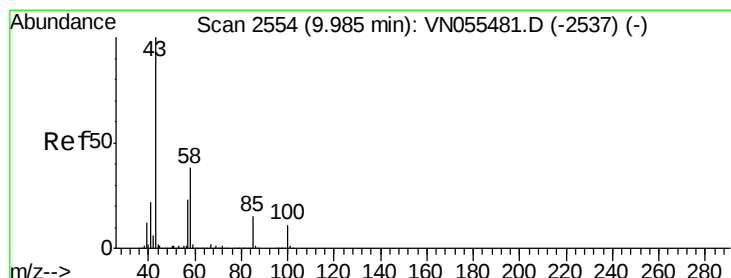
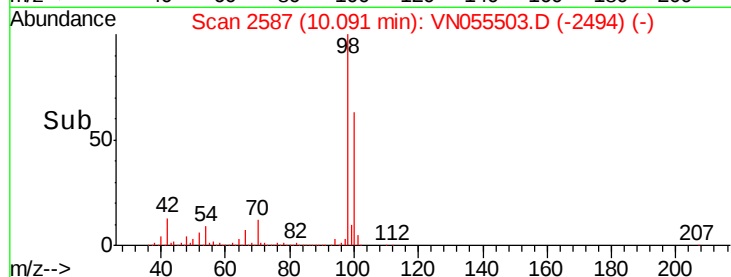
400000

200000

0

10.00 10.10 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 22.441 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055503.D

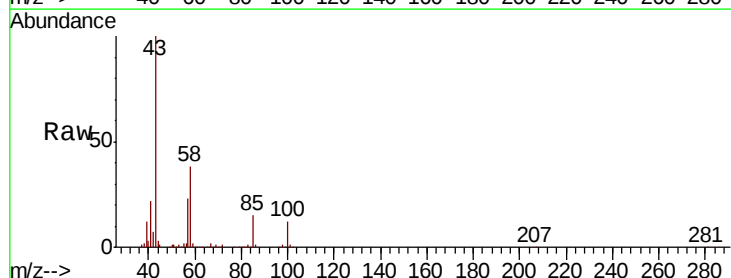
Acq: 9 May 2019 17:44

Tgt Ion: 43 Resp: 362334

Ion Ratio Lower Upper

43 100

58 37.5 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN055503.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN055503.D (-2461) (-)

9.99

200000

150000

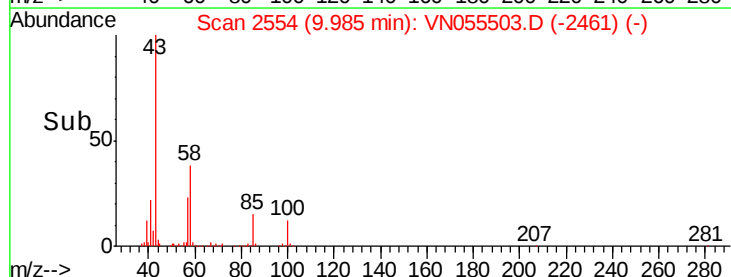
100000

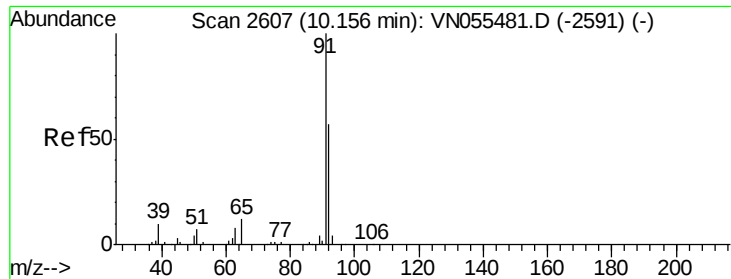
50000

0

9.90 10.00 10.10

Time-->





#52

Toluene

Concen: 26.136 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055503.D

Acq: 9 May 2019 17:44

Instrument :

MSVOA_N

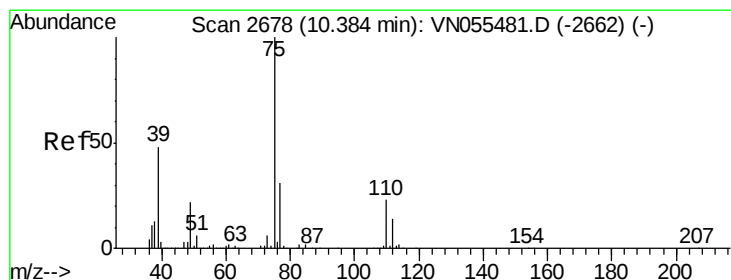
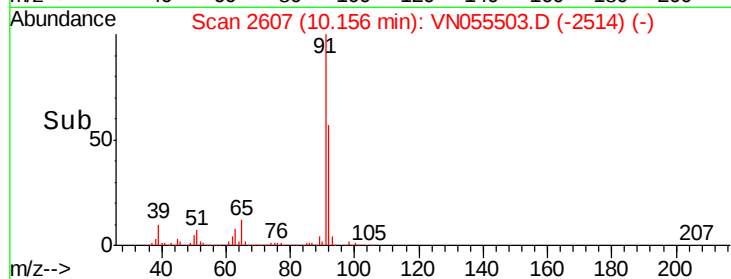
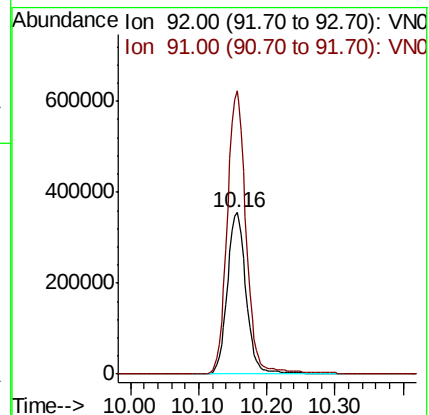
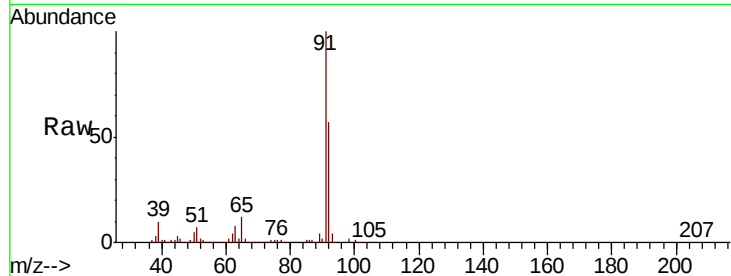
ClientSampleId :

Tot Ion: 92 Resp: 686949

Ion Ratio Lower Upper

92 100

91 174.7 140.5 210.7



#53

t-1,3-Dichloropropene

Concen: 0.507 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.23 min

Lab File: VN055503.D

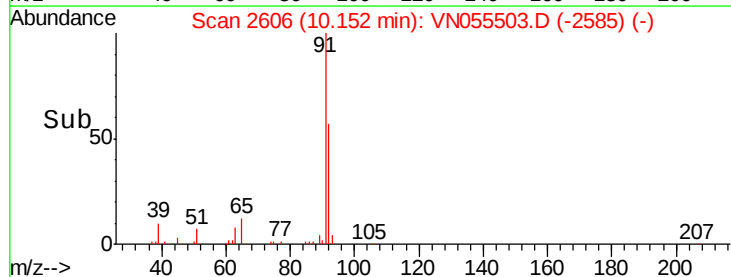
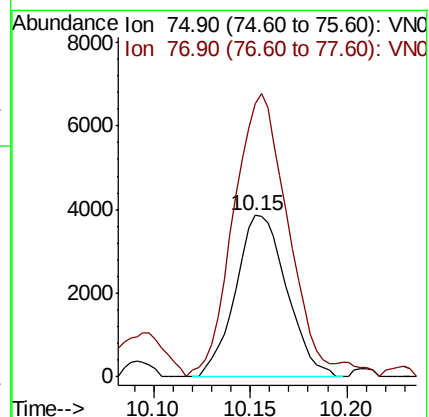
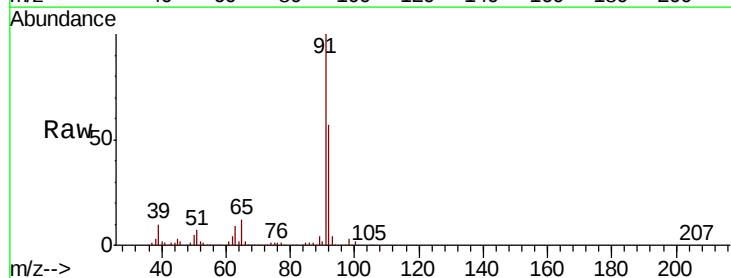
Acq: 9 May 2019 17:44

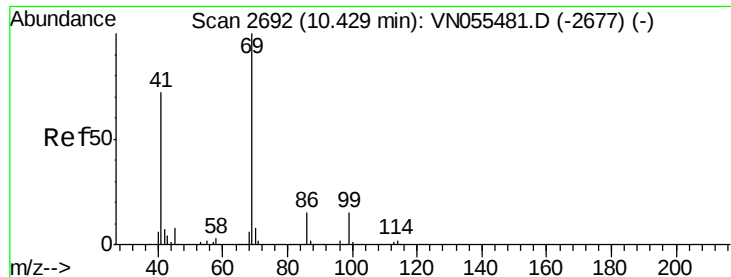
Tgt Ion: 75 Resp: 7108

Ion Ratio Lower Upper

75 100

77 165.1 25.1 37.7#





#56

Ethyl methacrylate

Concen: 1.558 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055503.D

Acq: 9 May 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

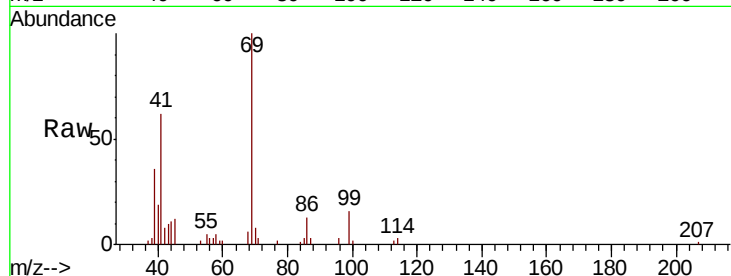
Tot Ion: 69 Resp: 24682

Ion Ratio Lower Upper

69 100

41 64.4 56.2 84.2

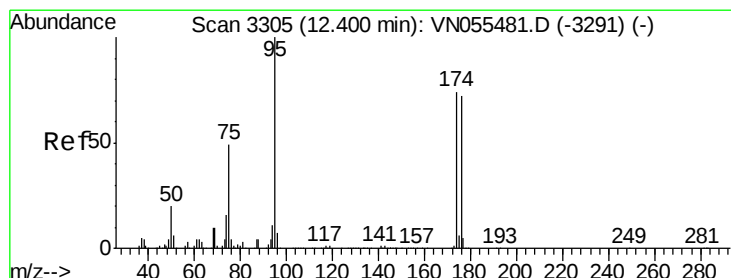
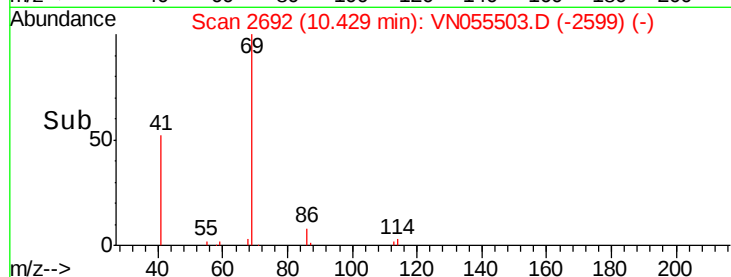
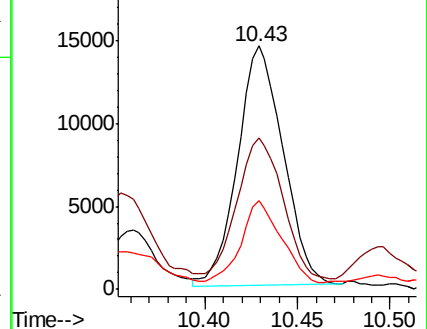
39 30.0 27.8 41.6



Abundance Ion 69.00 (68.70 to 69.70): VN055481.D (-2677) (-)

Ion 41.00 (40.70 to 41.70): VN055481.D (-2677) (-)

Ion 39.00 (38.70 to 39.70): VN055481.D (-2677) (-)



#62

4-Bromofluorobenzene

Concen: 43.690 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055503.D

Acq: 9 May 2019 17:44

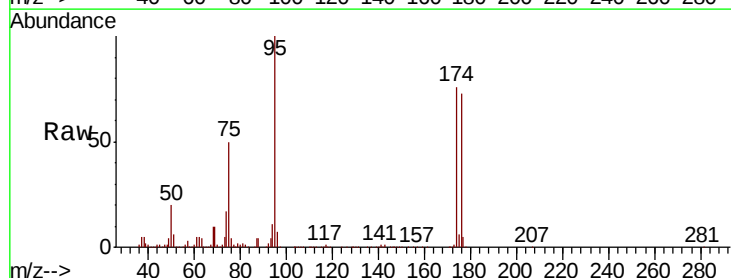
Tgt Ion: 95 Resp: 556846

Ion Ratio Lower Upper

95 100

174 78.1 0.0 152.2

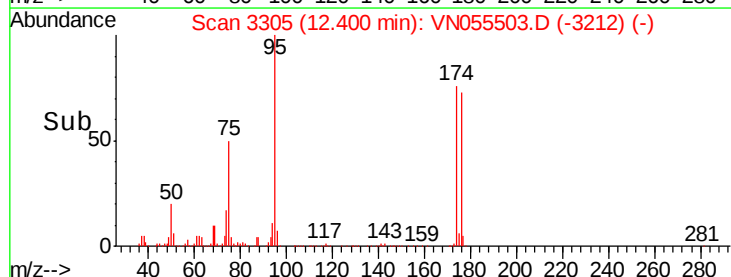
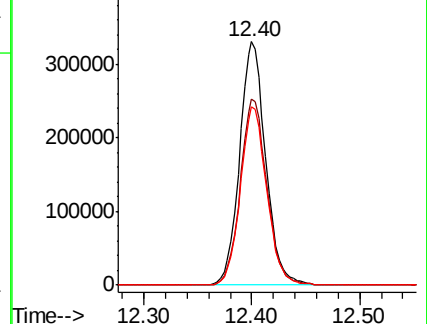
176 74.3 0.0 147.8

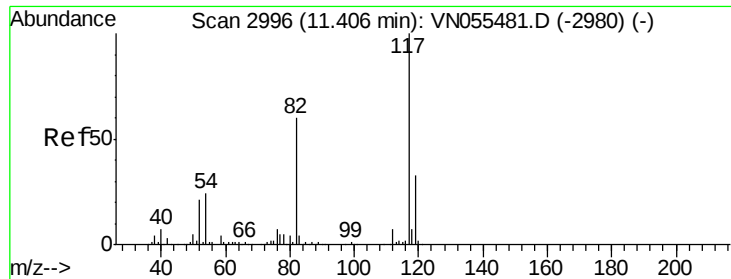


Abundance Ion 94.90 (94.60 to 95.60): VN055481.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055481.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055481.D (-3291) (-)

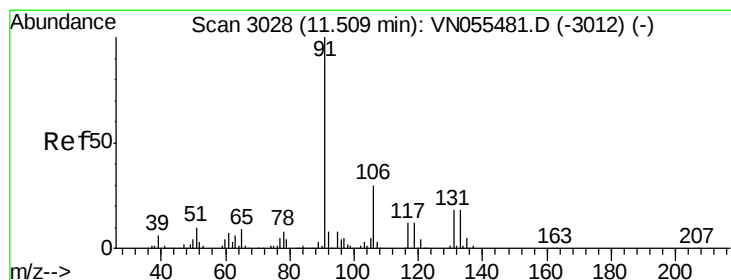
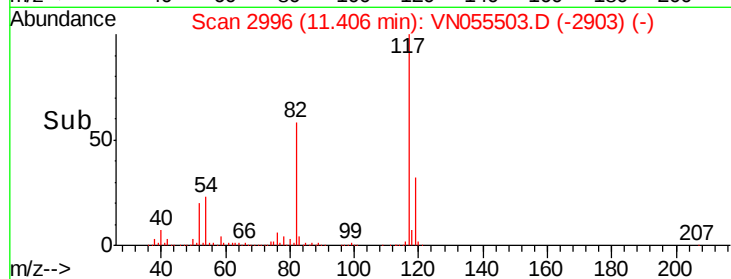
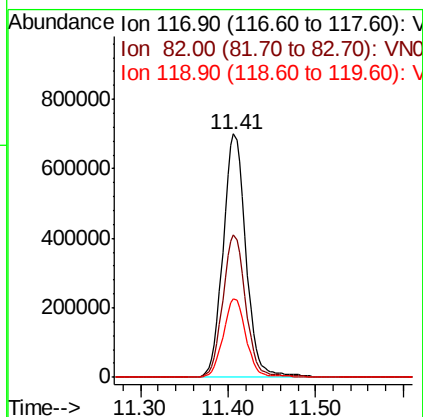
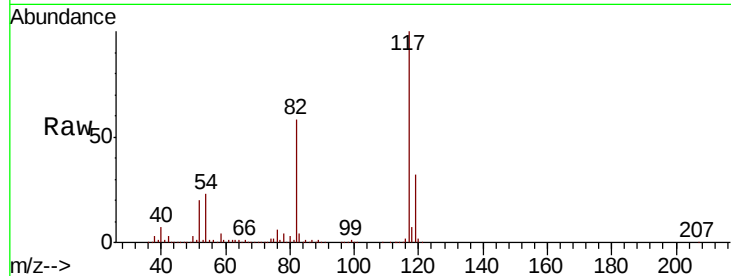




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055503.D
Acq: 9 May 2019 17:44

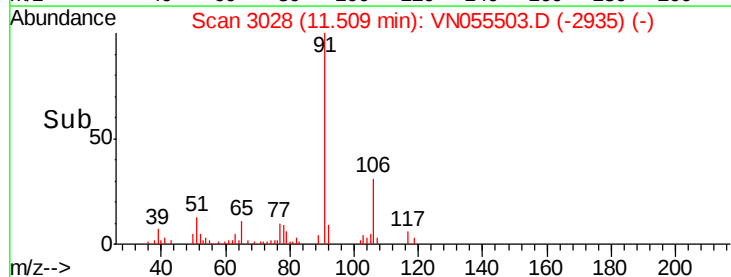
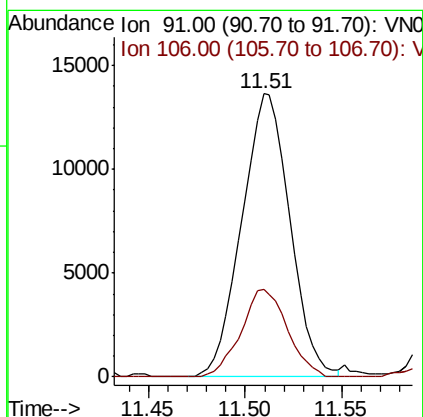
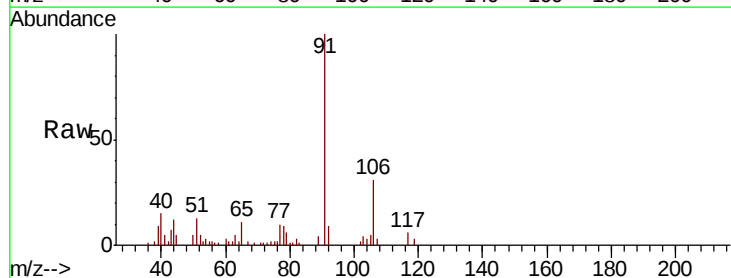
Instrument :
MSVOA_N
ClientSampleId :

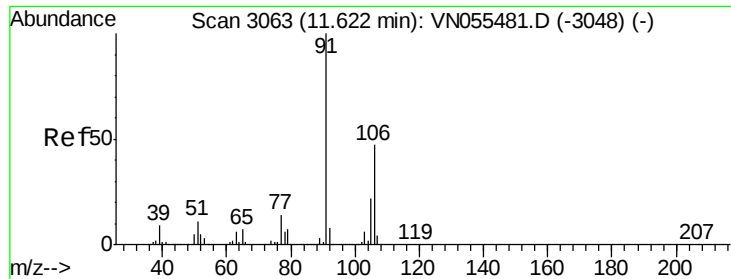
Tot Ion:117 Resp: 1271699
Ion Ratio Lower Upper
117 100
82 58.3 48.0 72.0
119 32.5 26.0 39.0



#67
Ethyl Benzene
Concen: 0.482 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055503.D
Acq: 9 May 2019 17:44

Tgt Ion: 91 Resp: 23694
Ion Ratio Lower Upper
91 100
106 31.0 23.8 35.6

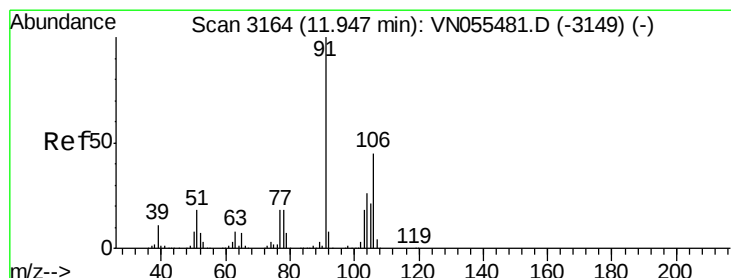
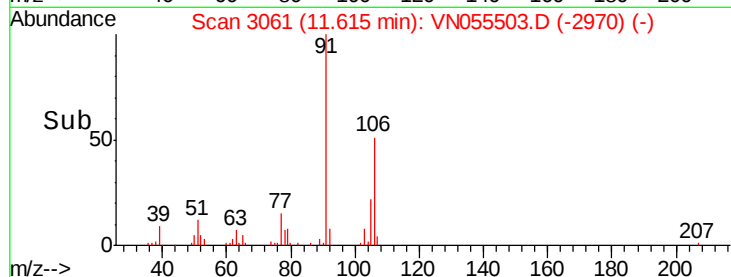
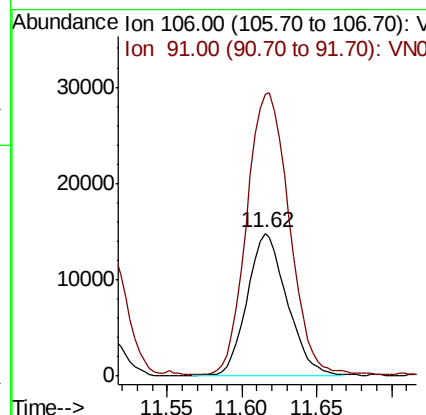
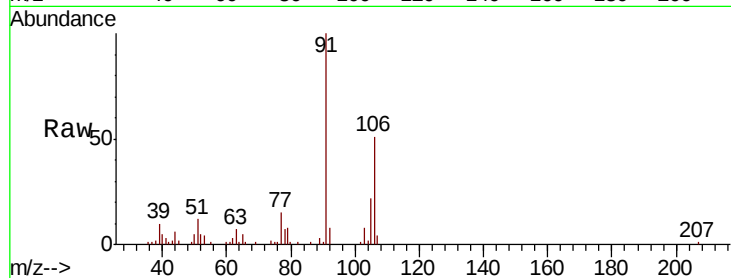




#68
m/p-Xylenes
Concen: 1.567 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN055503.D
Acq: 9 May 2019 17:44

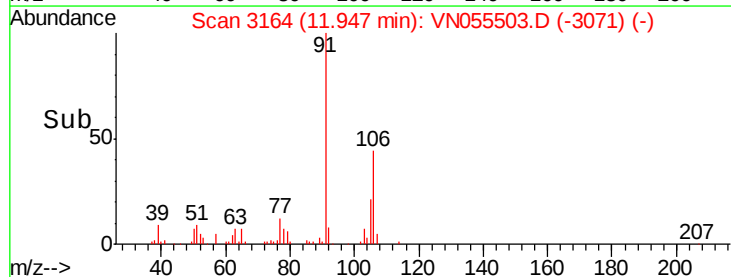
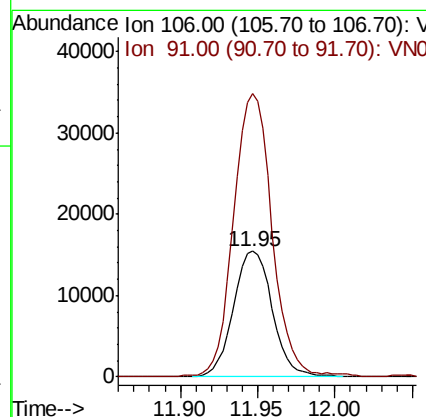
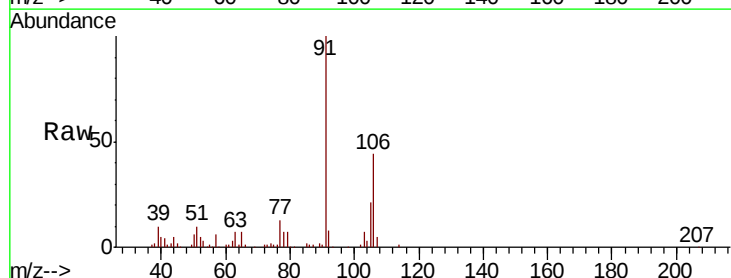
Instrument :
MSVOA_N
ClientSampled :

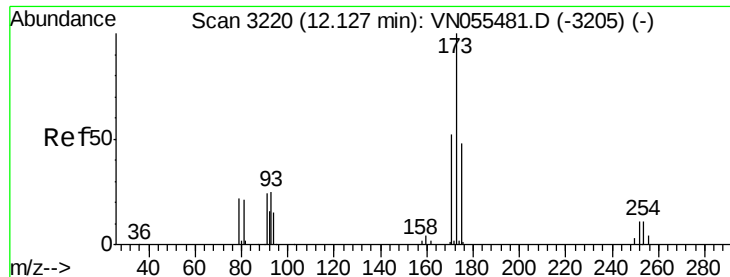
Tot Ion:106 Resp: 27630
Ion Ratio Lower Upper
106 100
91 208.5 169.2 253.8



#69
o-Xylene
Concen: 1.557 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055503.D
Acq: 9 May 2019 17:44

Tgt Ion:106 Resp: 26993
Ion Ratio Lower Upper
106 100
91 223.8 111.3 333.8





#71

Bromoform

Concen: 0.674 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN055503.D

Acq: 9 May 2019 17:44

Instrument :

MSVOA_N

ClientSampled :

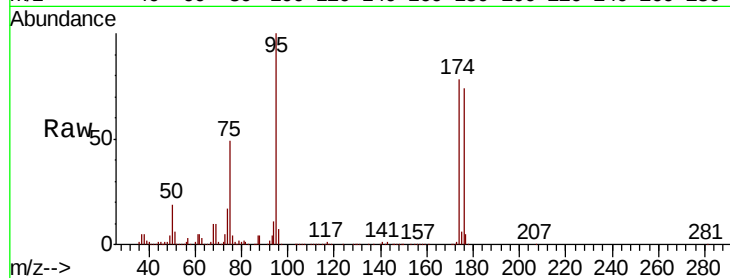
Tot Ion:173 Resp: 4096

Ion Ratio Lower Upper

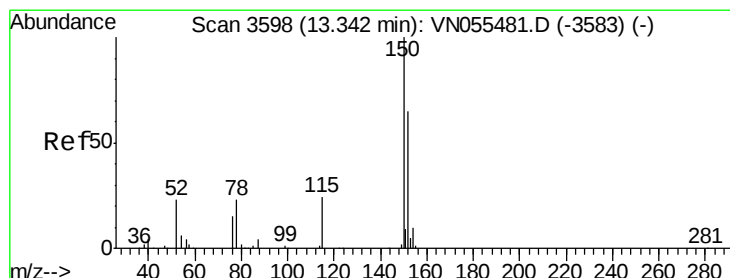
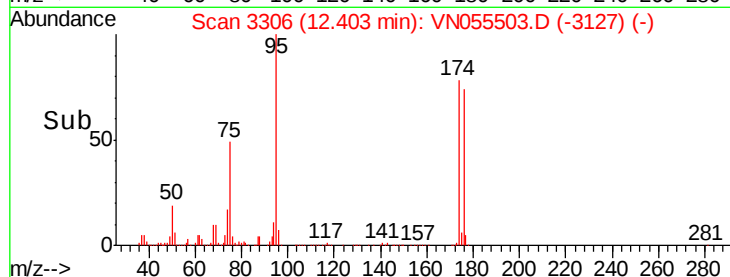
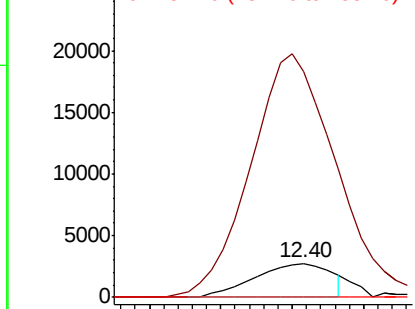
173 100

175 701.2 24.1 72.4#

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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055503.D

Acq: 9 May 2019 17:44

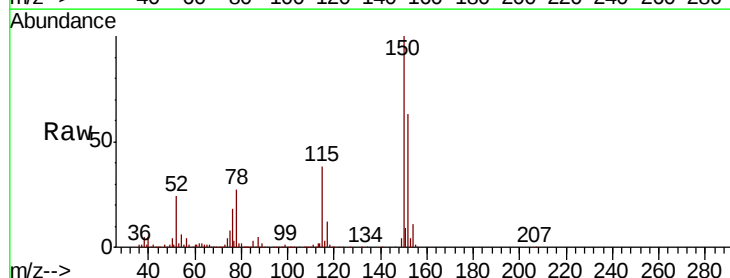
Tgt Ion:152 Resp: 402212

Ion Ratio Lower Upper

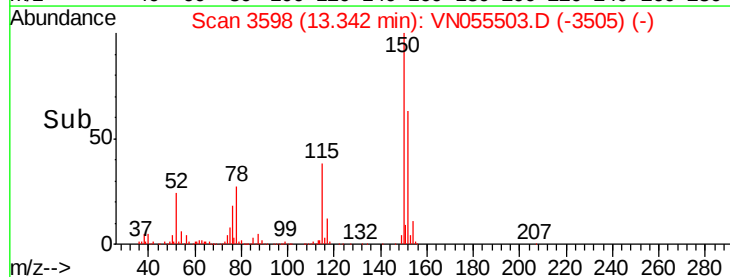
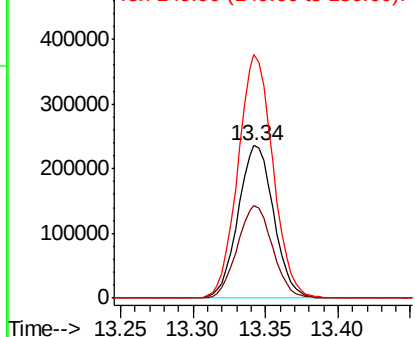
152 100

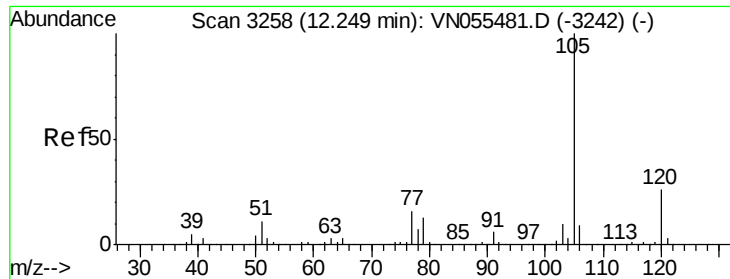
115 59.9 30.1 90.5

150 156.6 0.0 355.0



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





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.24 min Scan# 3256

Delta R.T. -0.01 min

Lab File: VN055503.D

Acq: 9 May 2019 17:44

Instrument :

MSVOA_N

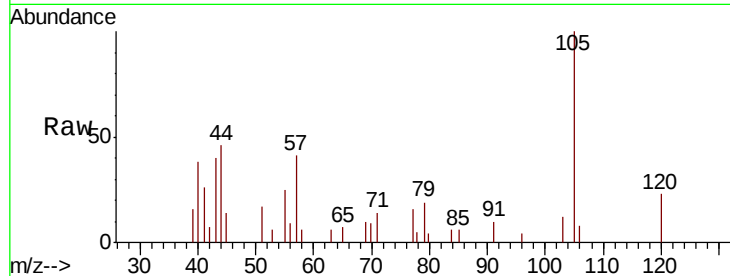
ClientSampleId :

Tot Ion:105 Resp: 5571

Ion Ratio Lower Upper

105 100

120 27.9 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

4000

3000

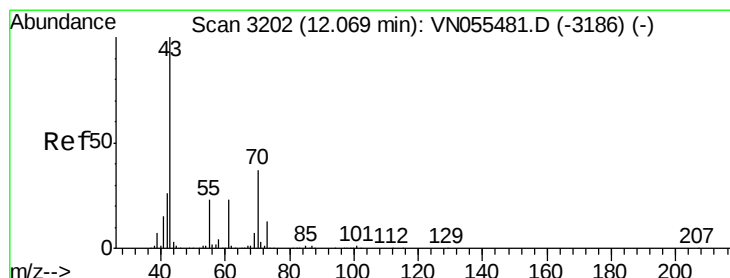
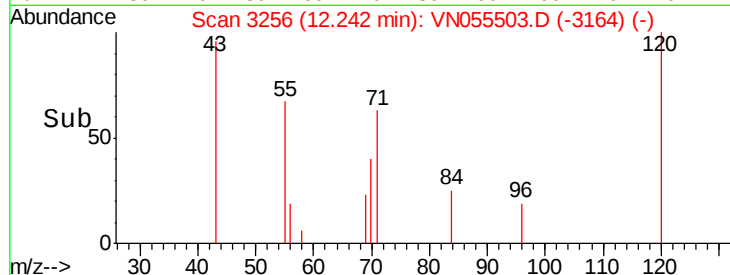
2000

1000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 0.632 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.05 min

Lab File: VN055503.D

Acq: 9 May 2019 17:44

Tgt Ion: 43 Resp: 9656

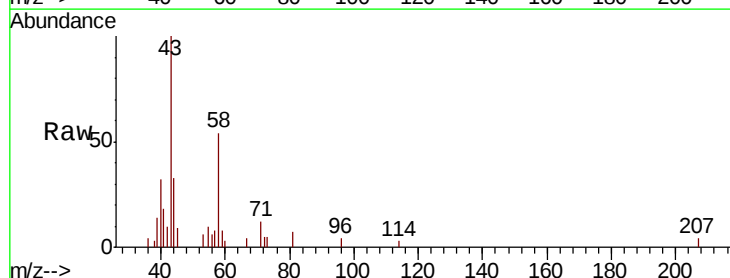
Ion Ratio Lower Upper

43 100

70 0.0 30.7 46.1#

55 5.3 19.3 28.9#

61 0.0 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

8000

6000

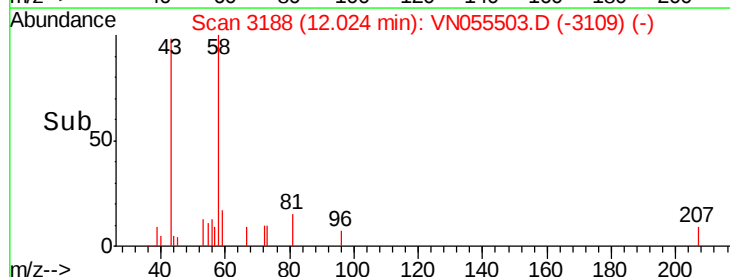
4000

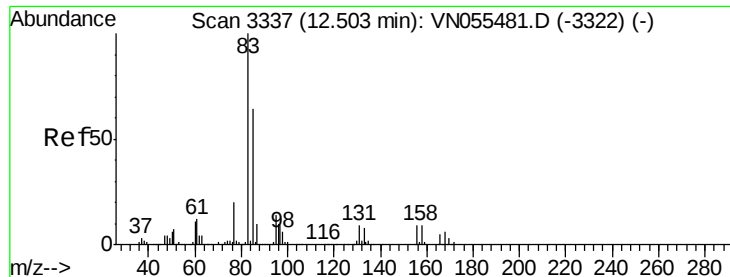
2000

0

Time-->

12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055503.D

Acq: 9 May 2019 17:44

Instrument :

MSVOA_N

ClientSampled :

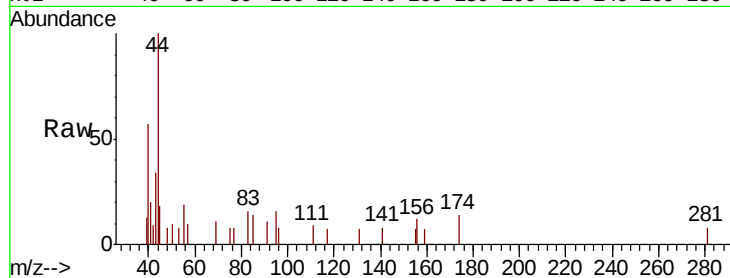
Tot Ion: 83 Resp: 422

Ion Ratio Lower Upper

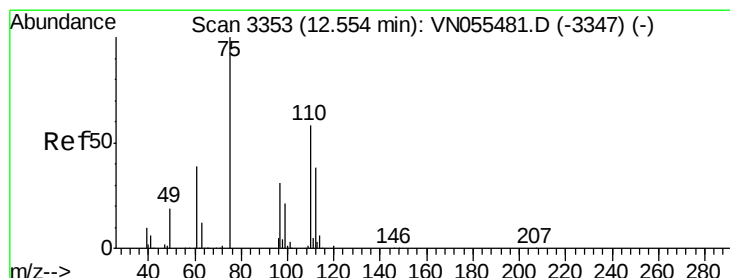
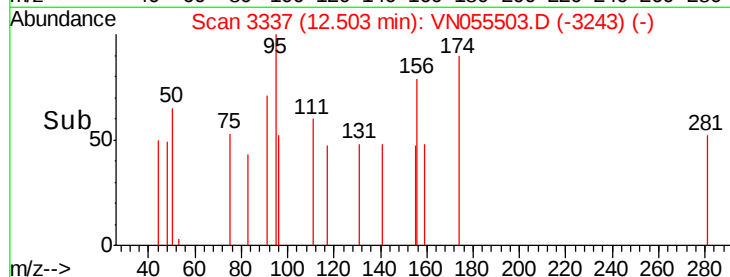
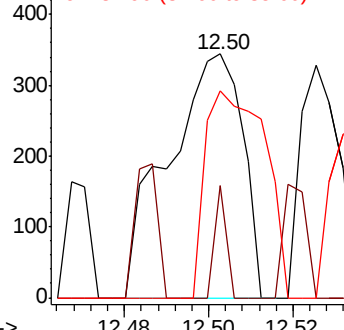
83 100

131 7.3 4.5 13.5

85 68.2 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 25.593 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055503.D

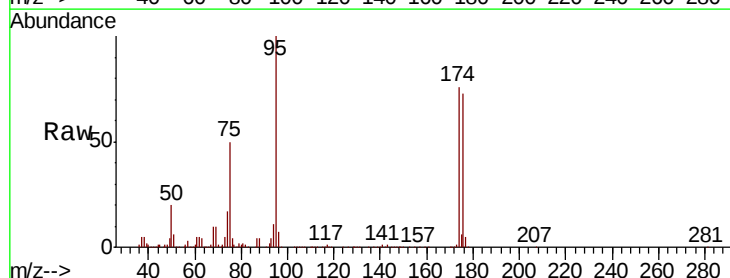
Acq: 9 May 2019 17:44

Tgt Ion: 75 Resp: 280232

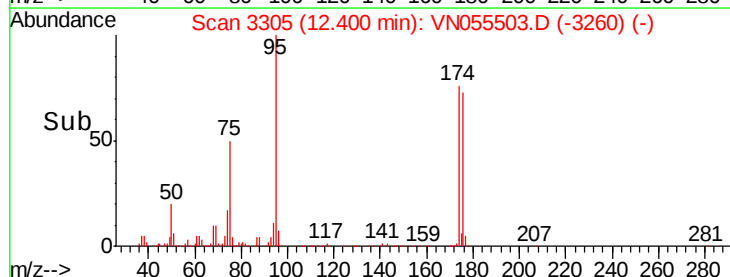
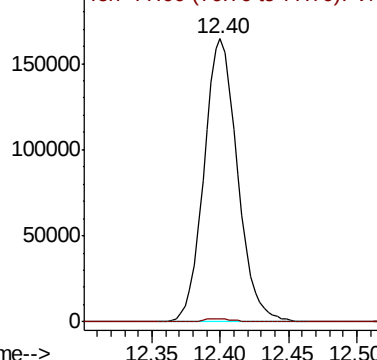
Ion Ratio Lower Upper

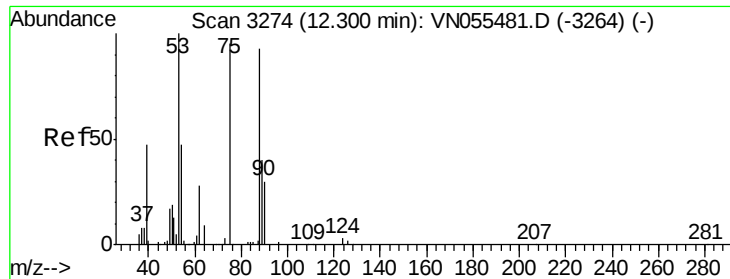
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 94.434 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055503.D

Acq: 9 May 2019 17:44

Instrument :

MSVOA_N

ClientSampled :

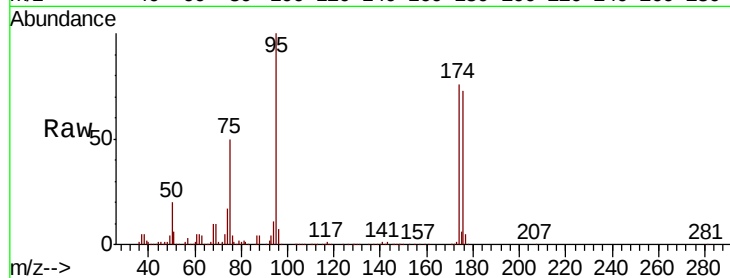
Tot Ion: 75 Resp: 280232

Ion Ratio Lower Upper

75 100

53 0.0 86.5 129.7#

89 0.0 35.7 53.5#



Abundance Ion 74.90 (74.60 to 75.60): VN055503.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055503.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055503.D (-3181) (-)

12.40

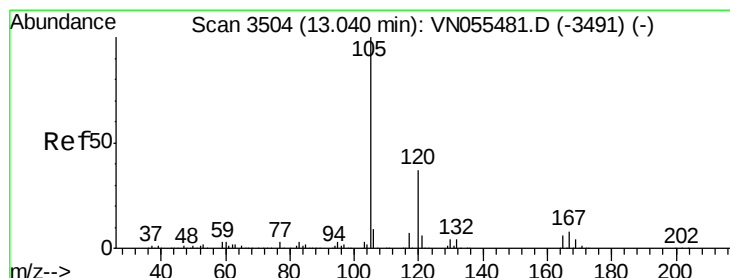
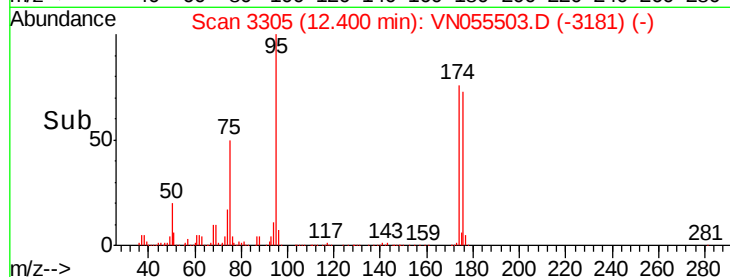
150000

100000

50000

0

Time--> 12.35 12.40 12.45 12.50



#84

1,2,4-Trimethylbenzene

Concen: 0.479 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN055503.D

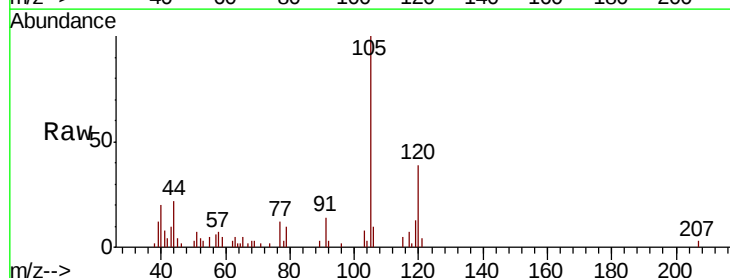
Acq: 9 May 2019 17:44

Tgt Ion: 105 Resp: 14135

Ion Ratio Lower Upper

105 100

120 38.9 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): VN055503.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN055503.D (-3411) (-)

13.04

10000

8000

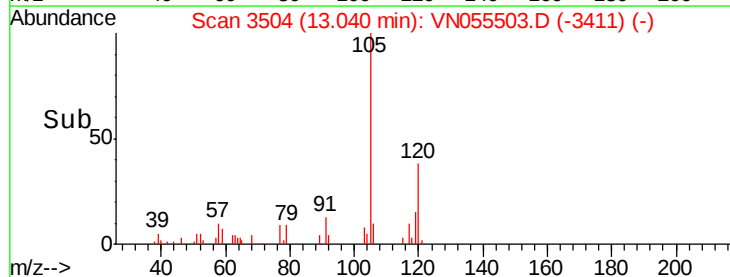
6000

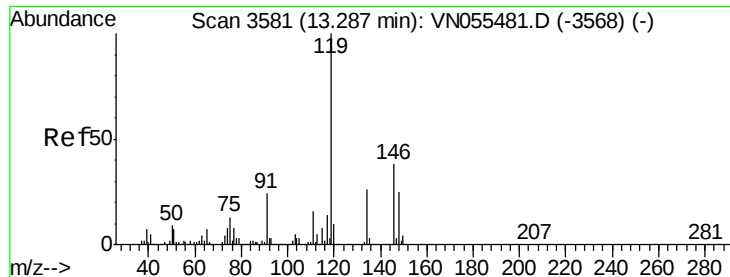
4000

2000

0

Time--> 12.95 13.00 13.05 13.10

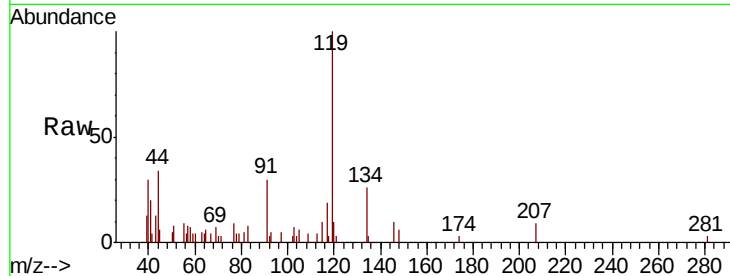




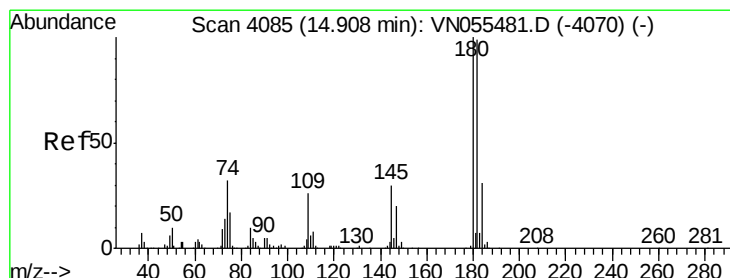
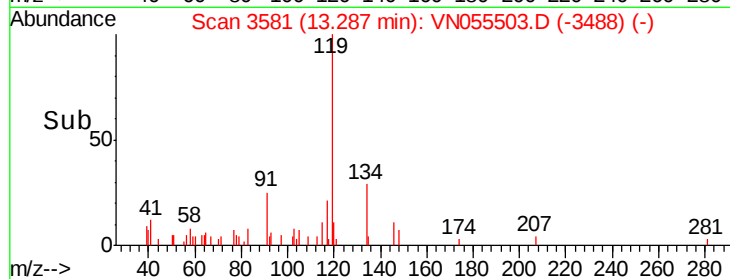
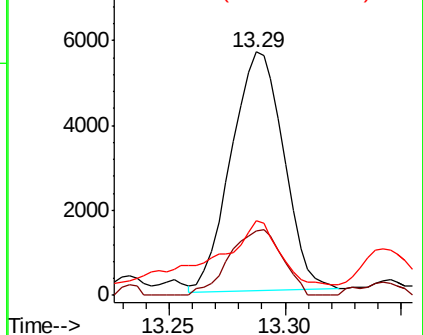
#86
p-Isopropyltoluene
Concen: 0.298 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN055503.D
Acq: 9 May 2019 17:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 8888
Ion Ratio Lower Upper
119 100
134 27.6 12.8 38.4
91 50.0 12.0 36.0#

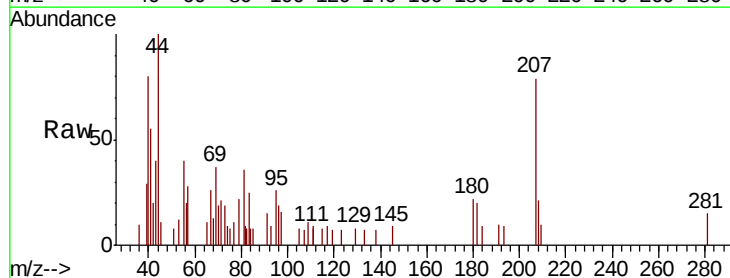


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

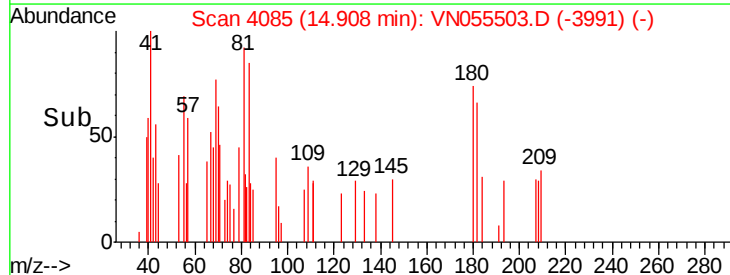
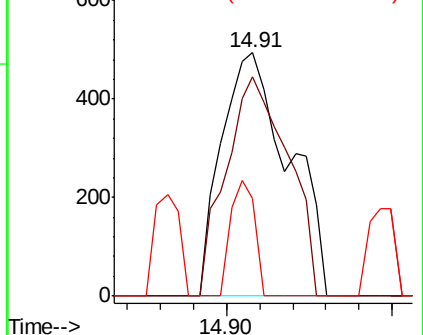


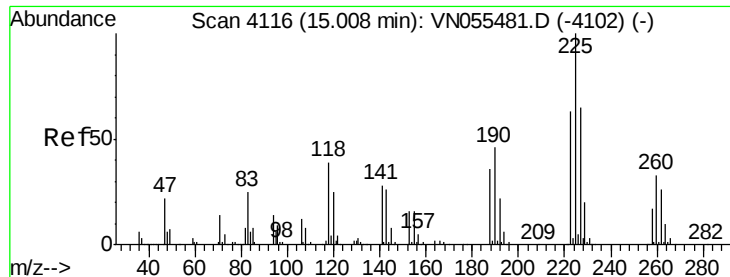
#93
1,2,4-Trichlorobenzene
Concen: 3.315 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN055503.D
Acq: 9 May 2019 17:44

Tgt Ion:180 Resp: 701
Ion Ratio Lower Upper
180 100
182 82.9 48.7 146.1
145 16.8 15.3 45.9



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: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN055503.D

Acq: 9 May 2019 17:44

Instrument :

MSVOA_N

ClientSampleId :

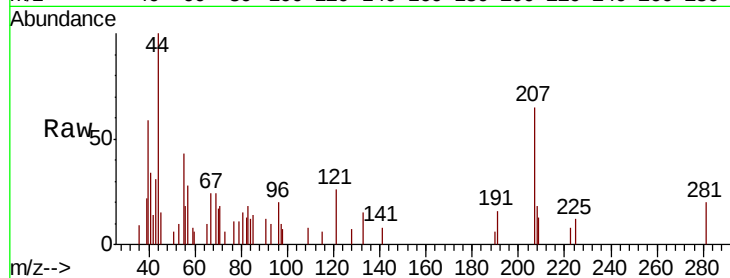
Tot Ion:225 Resp: 326

Ion Ratio Lower Upper

225 100

223 20.6 31.4 94.3#

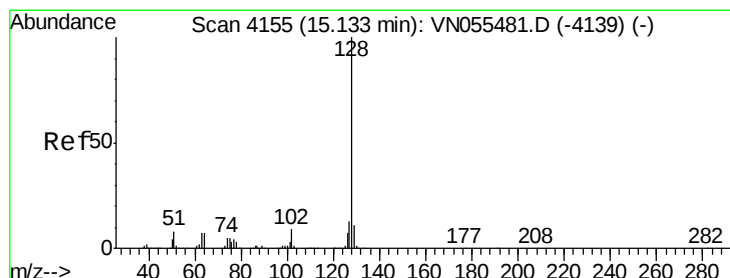
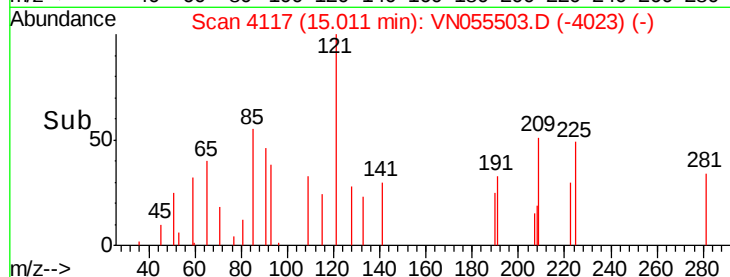
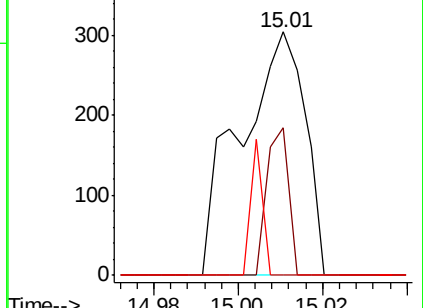
227 10.1 32.0 96.0#



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: 3.643 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055503.D

Acq: 9 May 2019 17:44

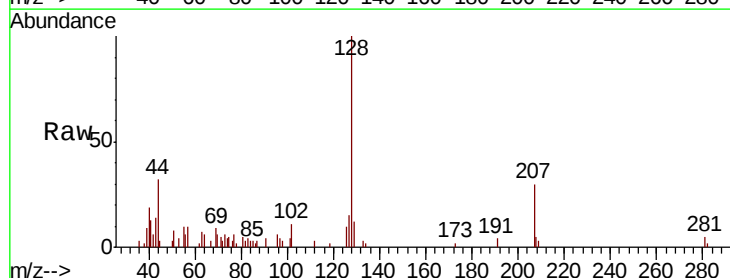
Tgt Ion:128 Resp: 12575

Ion Ratio Lower Upper

128 100

127 13.2 10.0 15.0

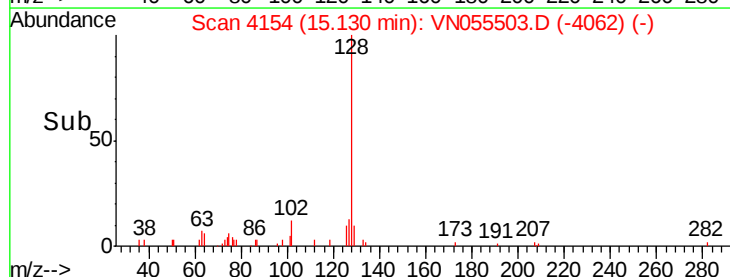
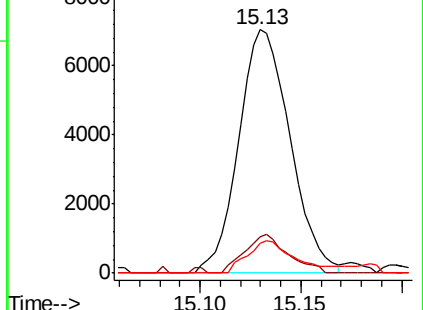
129 12.1 8.8 13.2

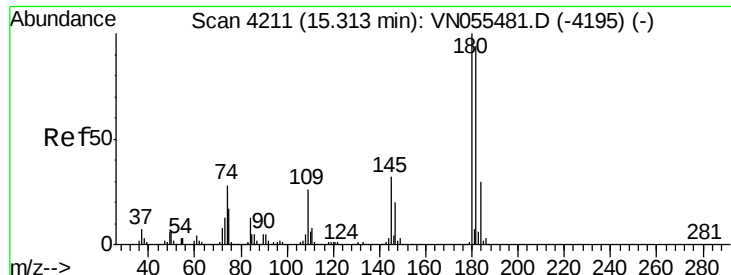


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

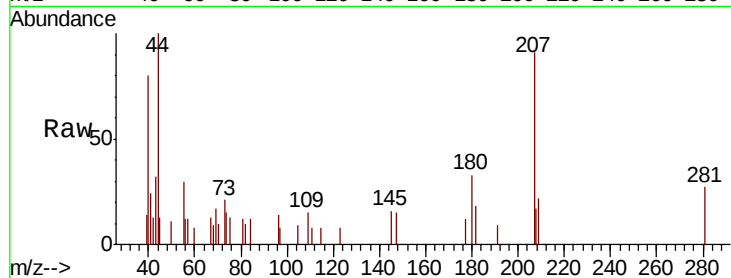




#96
 1,2,3-Trichlorobenzene
 Concen: 2.540 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN055503.D
 Acq: 9 May 2019 17:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.1	47.1	141.3
145	58.7	15.8	47.4



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

