

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055501.D
 Acq On : 9 May 2019 16:54
 Operator : JC/SP
 Sample : K2751-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 04:14:35 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	861646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1443630	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1208506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	393964	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	595894	45.93	ug/l	0.00
Spiked Amount			Recovery	=	91.86%	
35) Dibromofluoromethane	7.59	113	447045	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
50) Toluene-d8	10.09	98	1767355	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.40	95	535118	43.73	ug/l	0.00
Spiked Amount			Recovery	=	87.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.81	59	341037	178.036	ug/l	99
13) Acrolein	3.61	56	1946	1.524	ug/l #	42
14) Allyl chloride	4.27	41	4985	0.258	ug/l #	28
16) Acetone	3.82	43	1121033	186.617	ug/l	99
17) Carbon Disulfide	4.05	76	55395	2.155	ug/l	98
18) Methyl Acetate	4.34	43	57663	3.547	ug/l	96
25) 2-Butanone	6.84	43	328369	39.572	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	5542	0.470	ug/l	85
31) Cyclohexane	7.67	56	19347	0.924	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	67322	4.734	ug/l #	50
37) Ethyl Acetate	6.84	43	328369	21.166	ug/l #	74
38) Carbon Tetrachloride	7.67	117	80962	6.761	ug/l #	15
41) Methacrylonitrile	7.20	41	14752	2.049	ug/l #	43
48) Methyl methacrylate	9.20	41	8207	0.723	ug/l #	43
49) 1,4-Dioxane	9.20	88	18132	81.922	ug/l	88
51) 4-Methyl-2-Pentanone	9.99	43	309757	19.982	ug/l	99
52) Toluene	10.16	92	205556	8.146	ug/l	97
59) 2-Hexanone	10.75	43	46635	4.290	ug/l	100
69) o-Xylene	11.95	106	4128	0.251	ug/l	88
71) Bromoform	12.40	173	4320	0.748	ug/l #	1
73) Isopropylbenzene	12.25	105	3974	Below Cal		95
74) N-amyl acetate	12.03	43	74335	4.970	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.50	83	1105	Below Cal	#	88
76) 1,2,3-Trichloropropane	12.40	75	263878	24.604	ug/l #	100
78) n-propylbenzene	12.59	91	9084	0.215	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	6968	0.221	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	263878	90.785	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.04	105	18588	0.643	ug/l	98
86) p-Isopropyltoluene	13.28	119	9080	0.311	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	3584	0.267	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	3584	0.271	ug/l	97
89) n-Butylbenzene	13.61	91	11037	0.487	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	4529	0.338	ug/l	91
93) 1,2,4-Trichlorobenzene	14.91	180	6004	4.168	ug/l	94

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QLast Update : Thu May 09 04:17:44 2019
Response via : Initial Calibration

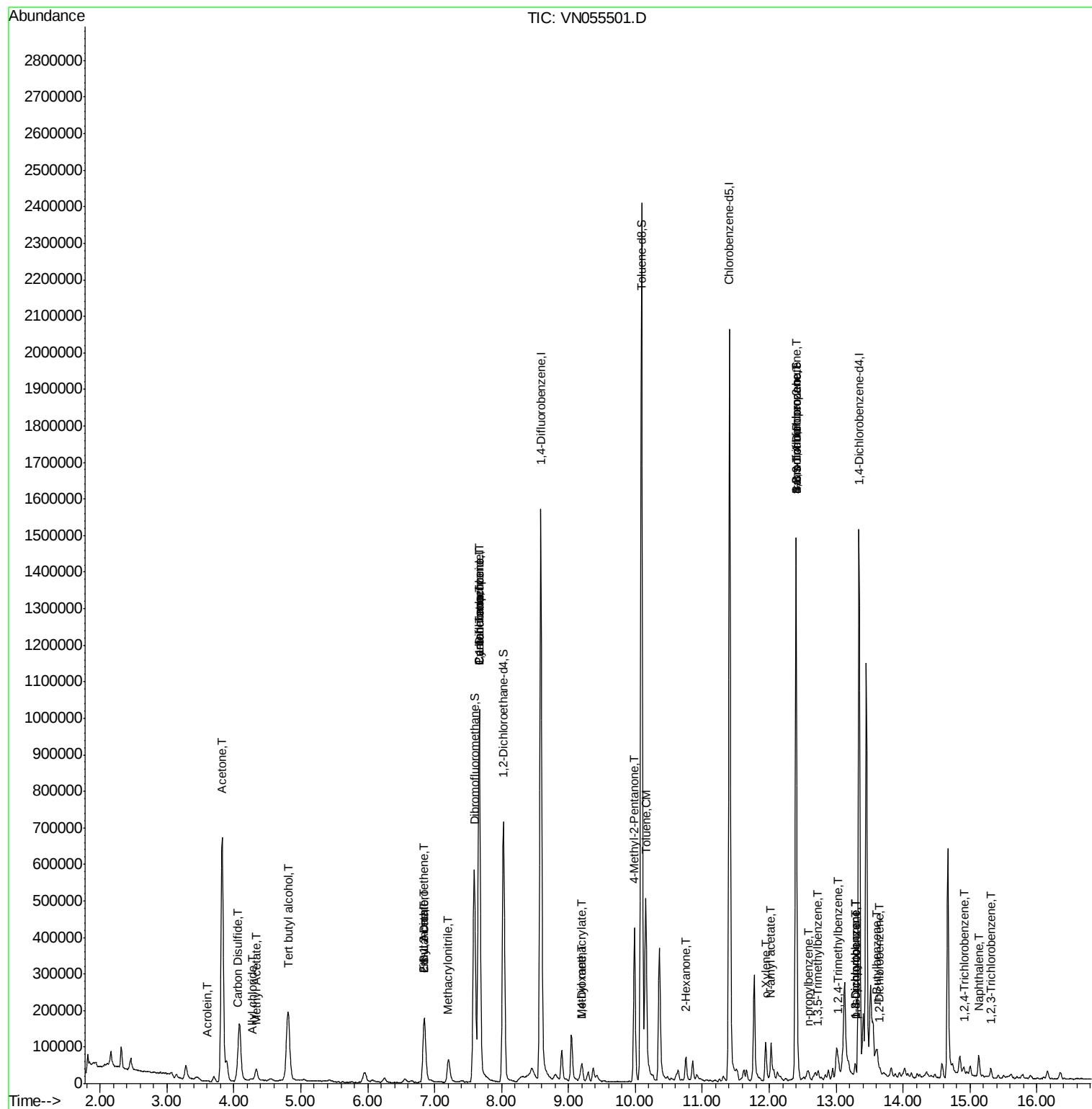
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	2248	Below Cal	91
95) Naphthalene	15.13	128	48102	5.693 ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	8440	3.693 ug/l	96

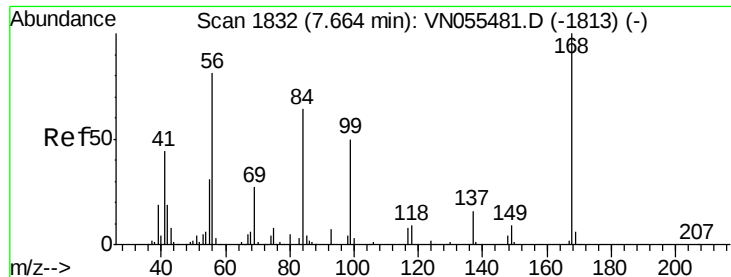
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN055501.D

Acq: 9 May 2019 16:54

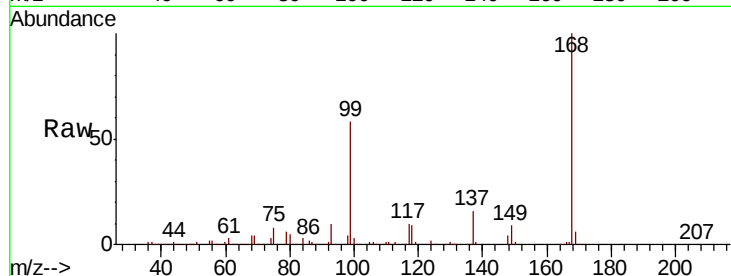
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 861646

Ion Ratio Lower Upper

168 100

99 58.0 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

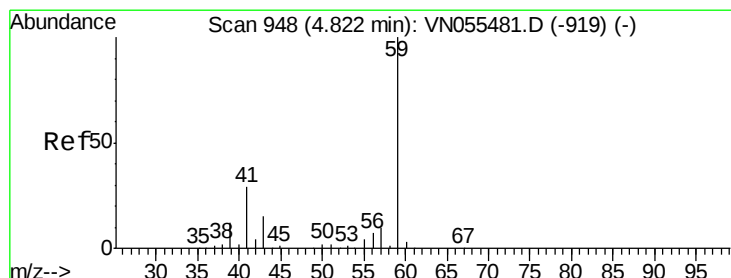
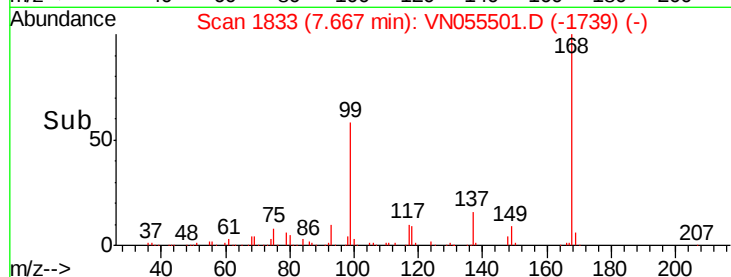
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 178.036 ug/l

RT: 4.81 min Scan# 944

Delta R.T. -0.01 min

Lab File: VN055501.D

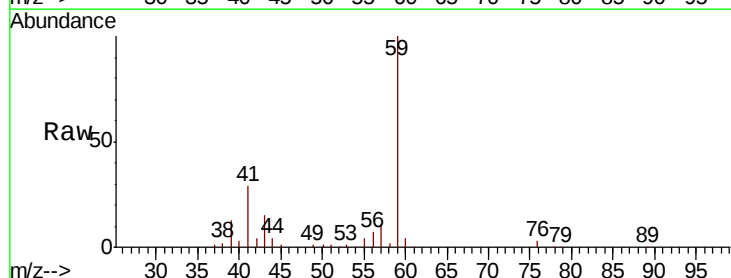
Acq: 9 May 2019 16:54

Tgt Ion: 59 Resp: 341037

Ion Ratio Lower Upper

59 100

57 10.5 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.81

100000

80000

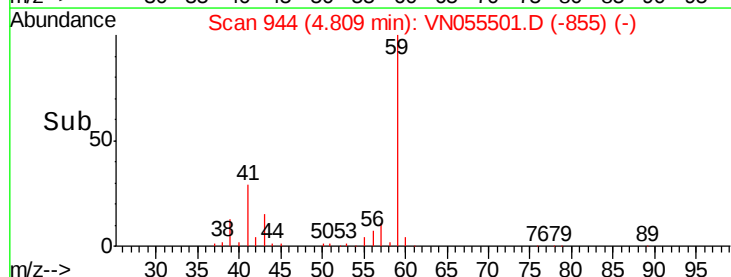
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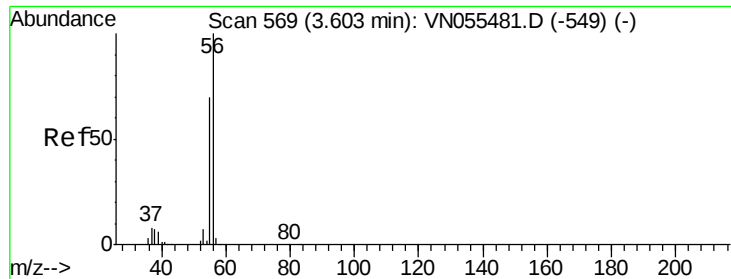
40000

20000

0

Time-->





#13

Acrolein

Concen: 1.524 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055501.D

Acq: 9 May 2019 16:54

Instrument :

MSVOA_N

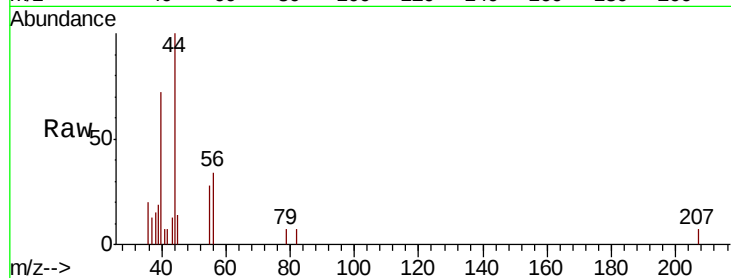
ClientSampled :

Tot Ion: 56 Resp: 1946

Ion Ratio Lower Upper

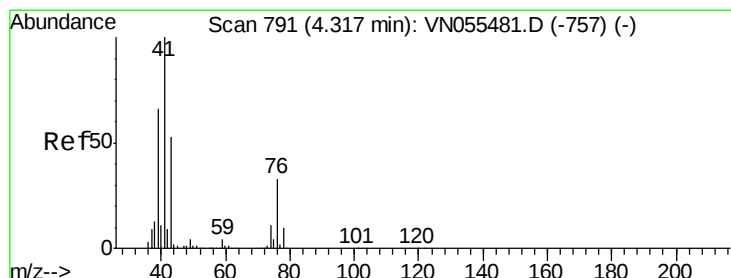
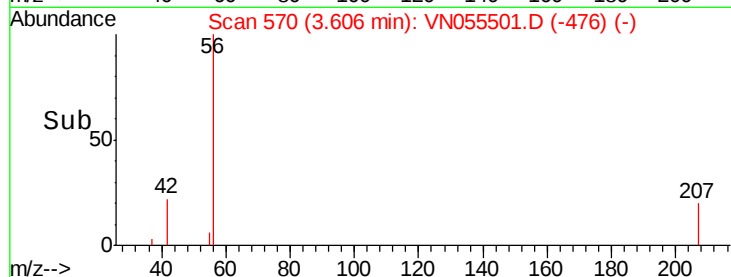
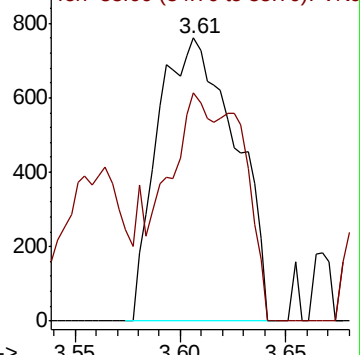
56 100

55 24.2 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.258 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.04 min

Lab File: VN055501.D

Acq: 9 May 2019 16:54

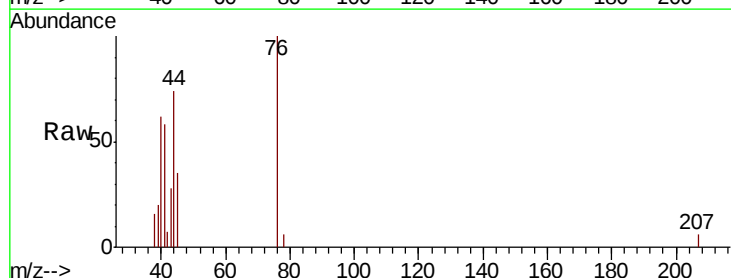
Tgt Ion: 41 Resp: 4985

Ion Ratio Lower Upper

41 100

39 0.0 49.8 74.8#

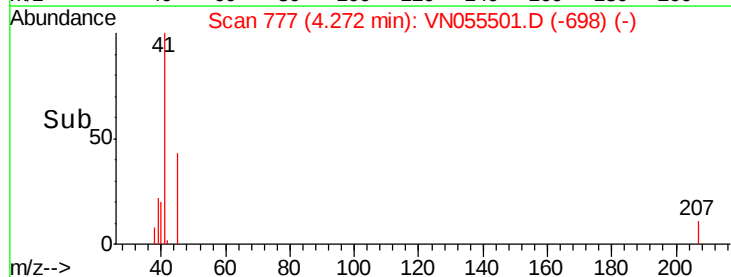
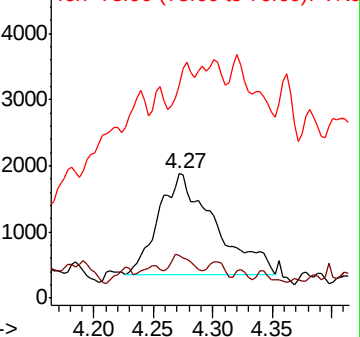
76 0.0 23.5 35.3#

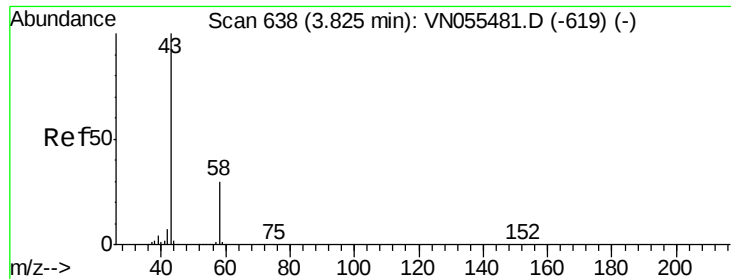


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

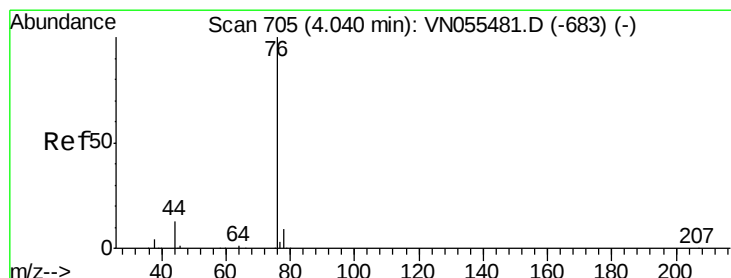
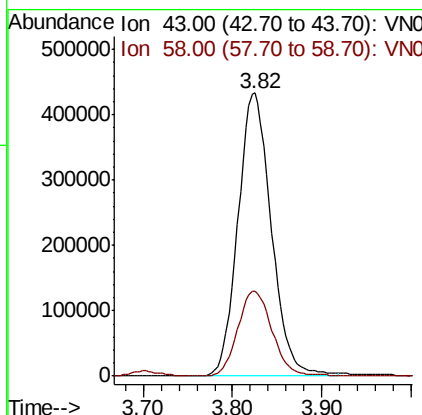
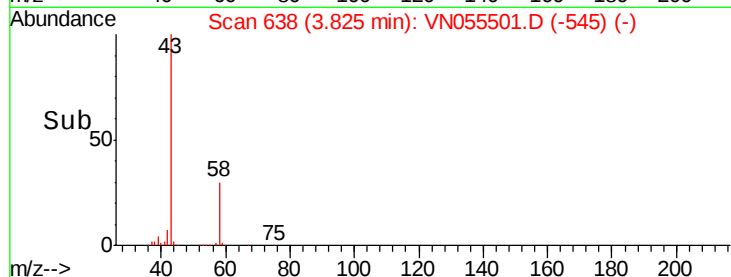
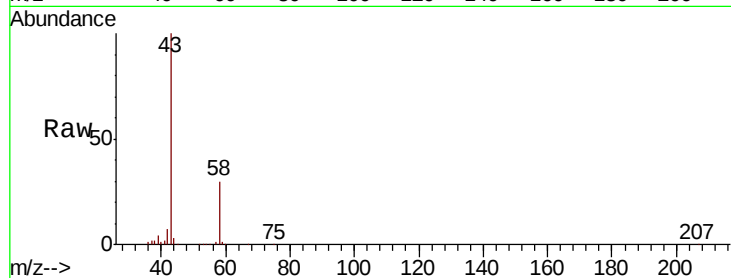




#16
Acetone
Concen: 186.617 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.00 min
Lab File: VN055501.D
Acq: 9 May 2019 16:54

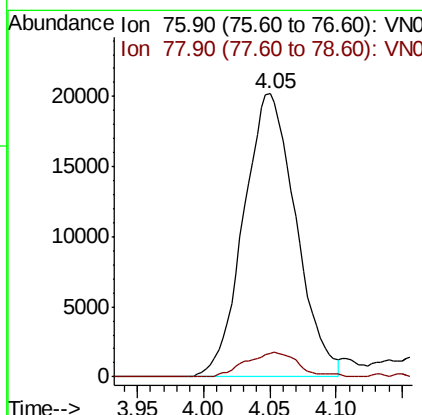
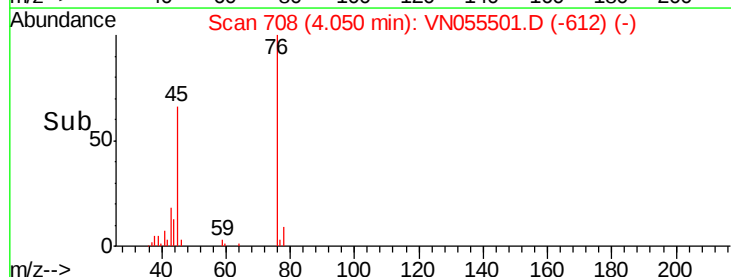
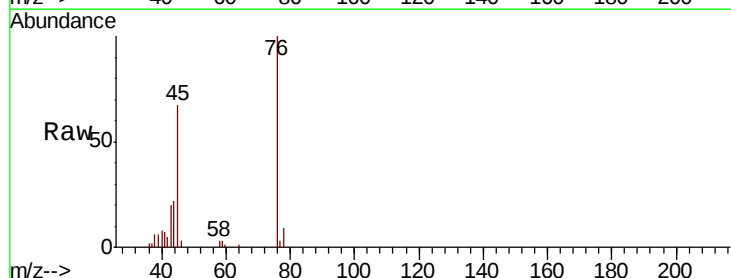
Instrument :
MSVOA_N
ClientSampled :

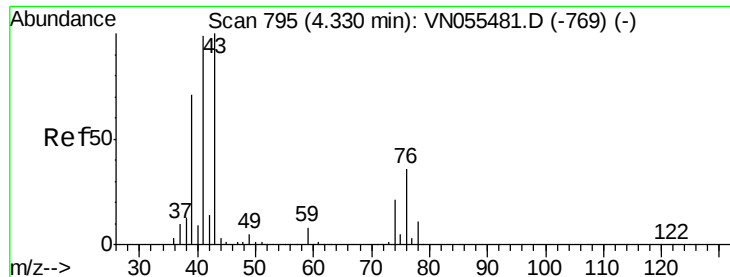
Tot Ion: 43 Resp: 1121033
Ion Ratio Lower Upper
43 100
58 29.9 24.2 36.2



#17
Carbon Disulfide
Concen: 2.155 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.01 min
Lab File: VN055501.D
Acq: 9 May 2019 16:54

Tgt Ion: 76 Resp: 55395
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0

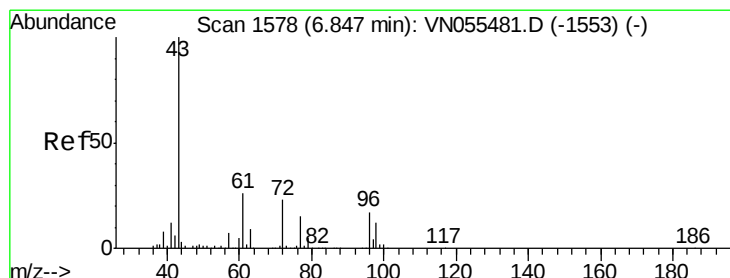
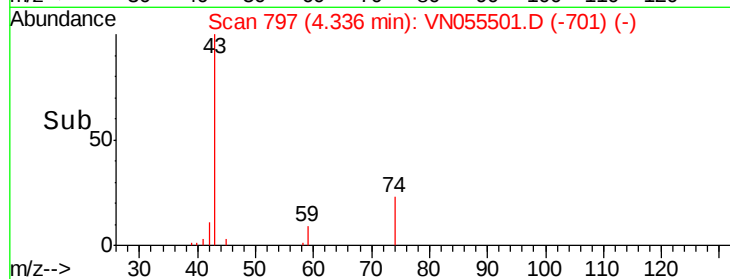
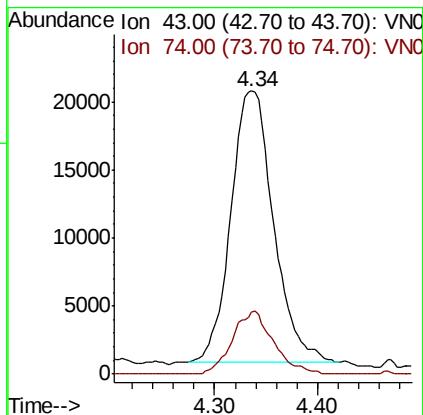
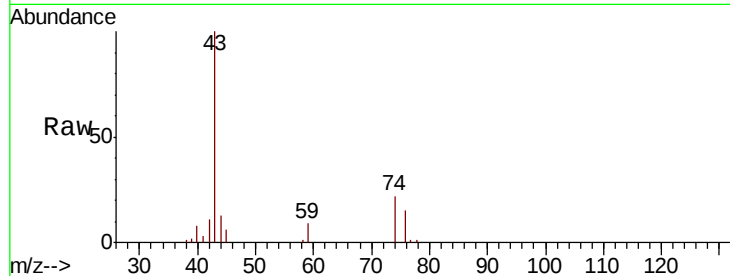




#18
Methvl Acetate
Concen: 3.547 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN055501.D
Acq: 9 May 2019 16:54

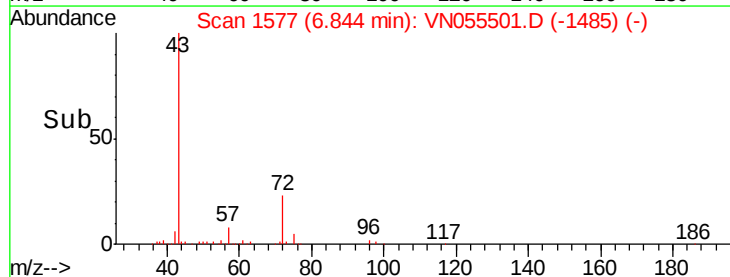
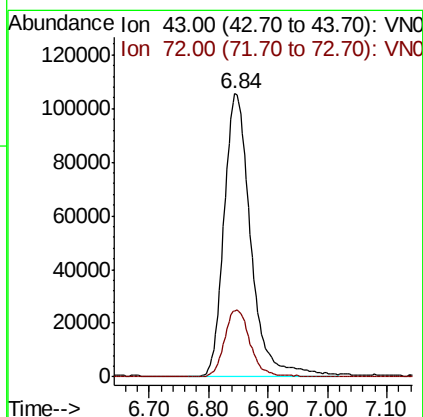
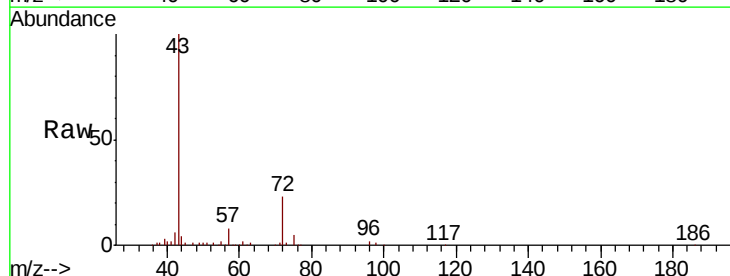
Instrument :
MSVOA_N
ClientSampled :

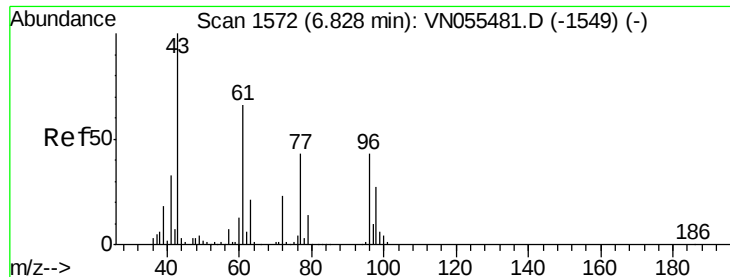
Tot Ion: 43 Resp: 57663
Ion Ratio Lower Upper
43 100
74 22.2 16.3 24.5



#25
2-Butanone
Concen: 39.572 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.00 min
Lab File: VN055501.D
Acq: 9 May 2019 16:54

Tgt Ion: 43 Resp: 328369
Ion Ratio Lower Upper
43 100
72 23.4 18.6 27.8

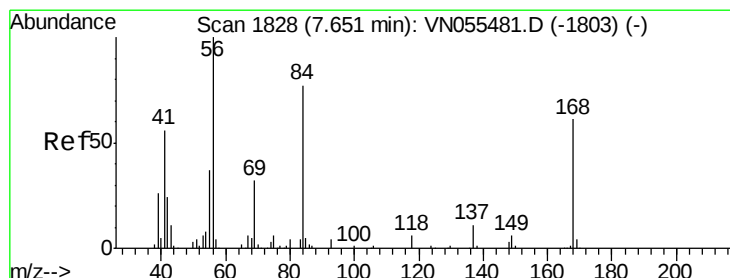
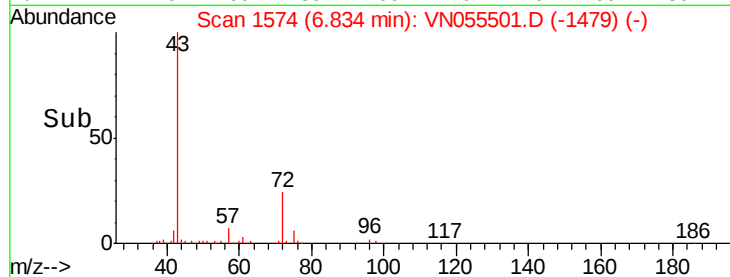
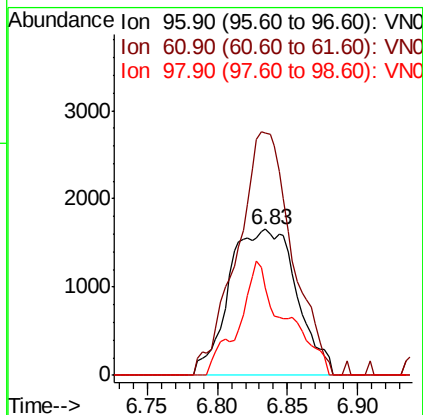
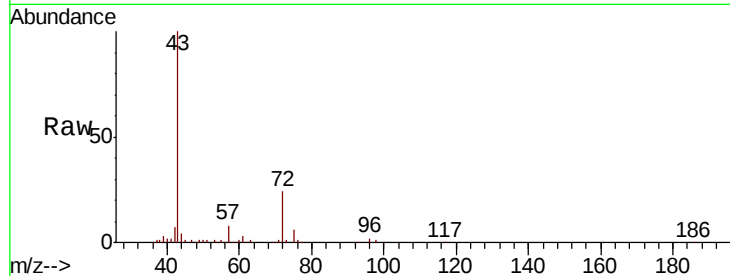




#27
 cis-1,2-Dichloroethene
 Concen: 0.470 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VN055501.D
 Acq: 9 May 2019 16:54

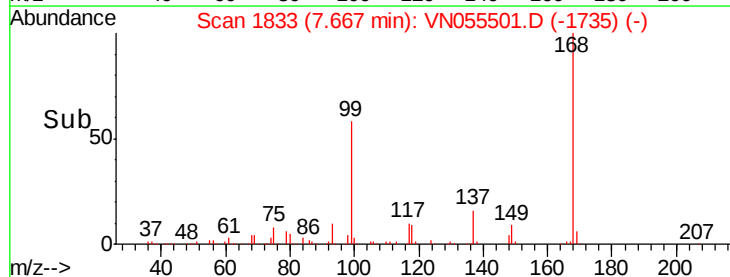
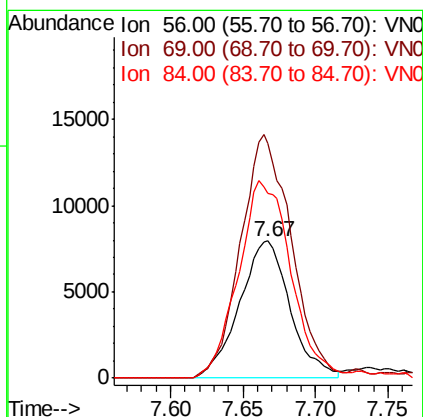
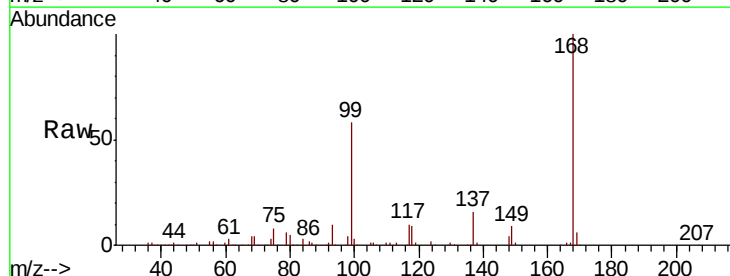
Instrument :
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 ClientSampleId :

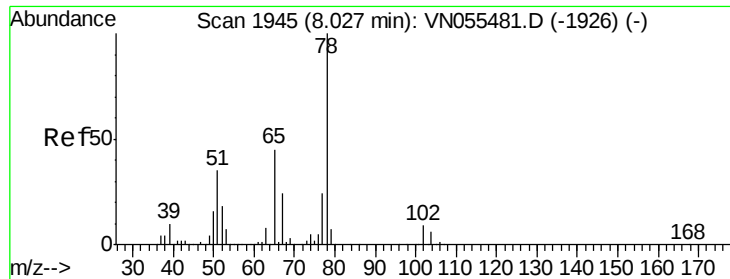
Tot Ion: 96 Resp: 5542
 Ion Ratio Lower Upper
 96 100
 61 135.1 0.0 310.8
 98 53.7 0.0 129.4



#31
 Cyclohexane
 Concen: 0.924 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. 0.02 min
 Lab File: VN055501.D
 Acq: 9 May 2019 16:54

Tgt Ion: 56 Resp: 19347
 Ion Ratio Lower Upper
 56 100
 69 171.1 26.0 39.0#
 84 135.2 61.9 92.9#

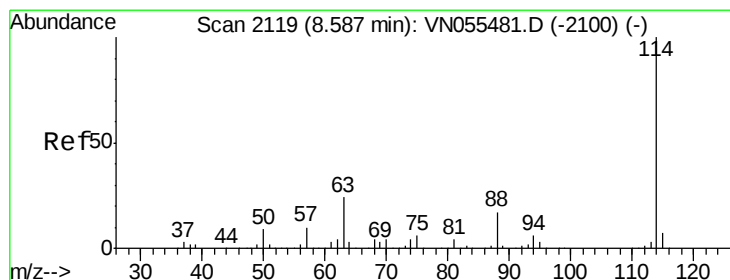
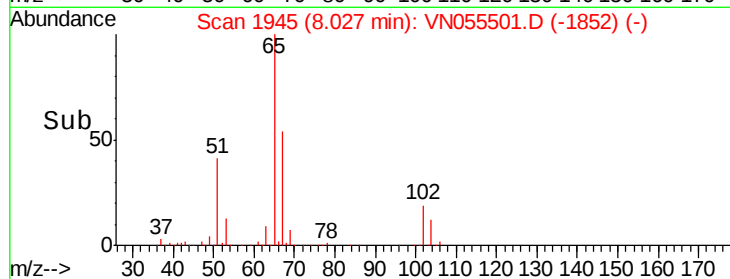
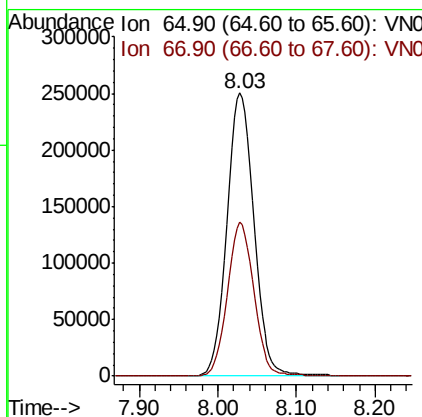
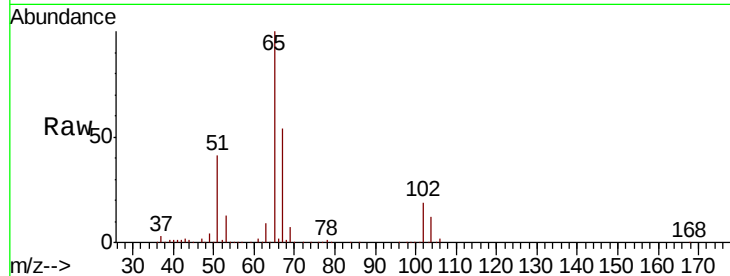




#33
 1,2-Dichloroethane-d4
 Concen: 45.932 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055501.D
 Acq: 9 May 2019 16:54

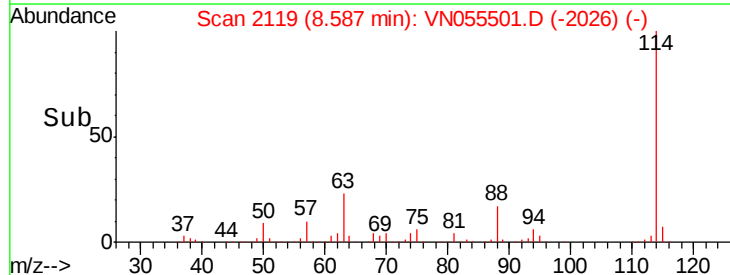
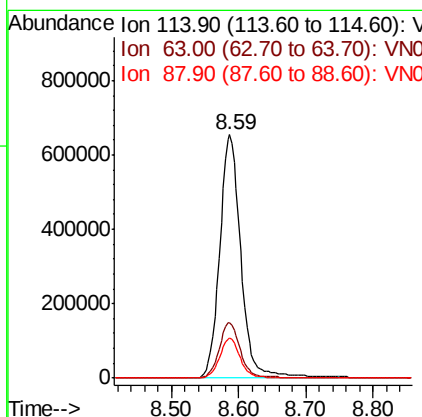
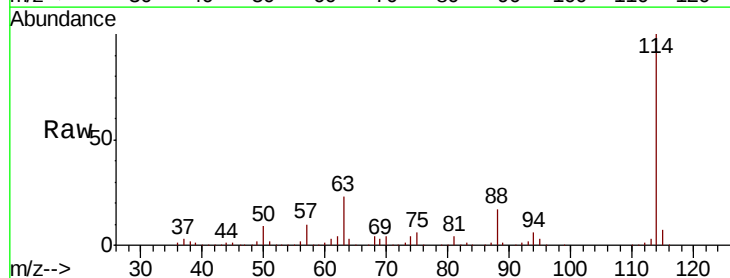
Instrument :
 MSVOA_N
 ClientSampled :

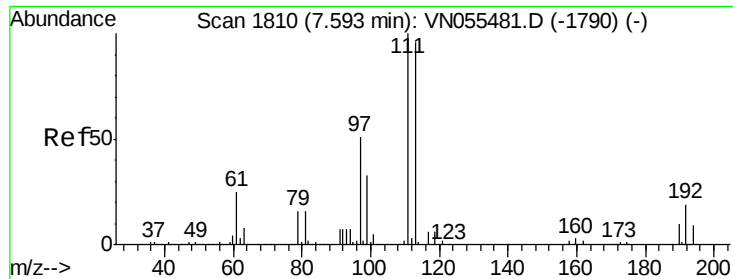
Tot Ion: 65 Resp: 595894
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055501.D
 Acq: 9 May 2019 16:54

Tgt Ion: 114 Resp: 1443630
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.4
 88 16.6 0.0 34.0

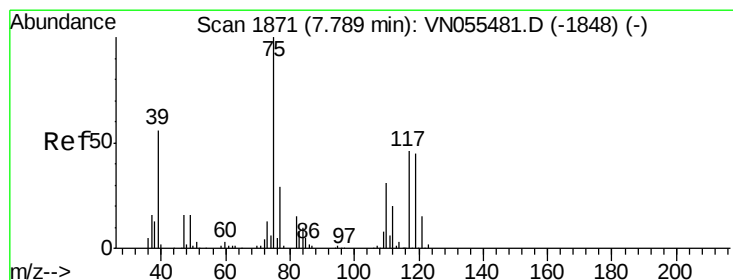
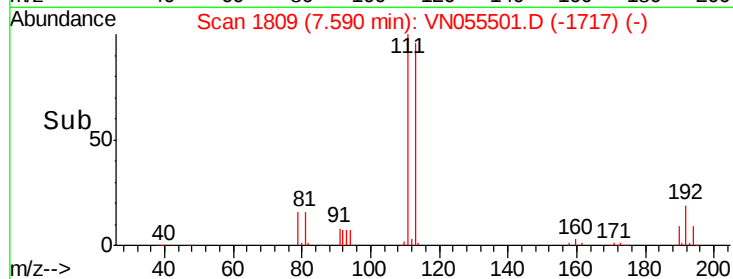
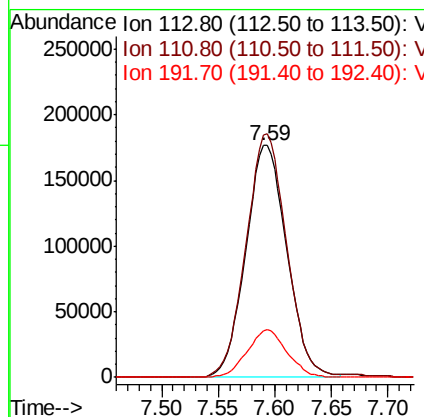
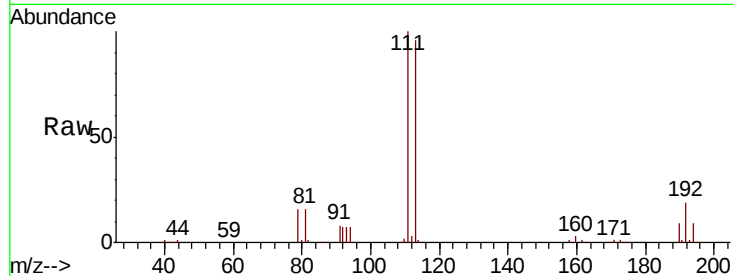




#35
 Dibromofluoromethane
 Concen: 48.005 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055501.D
 Acq: 9 May 2019 16:54

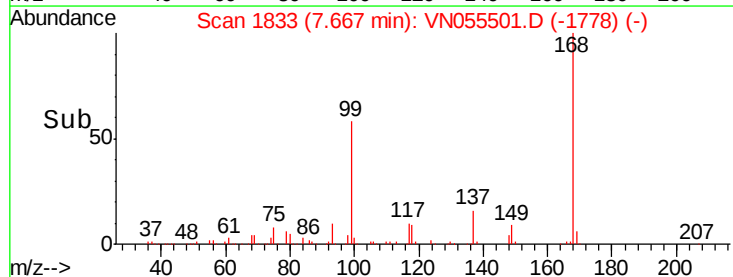
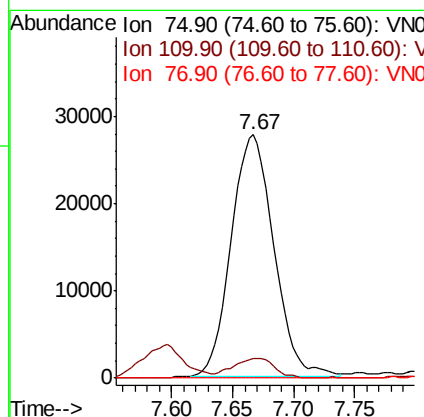
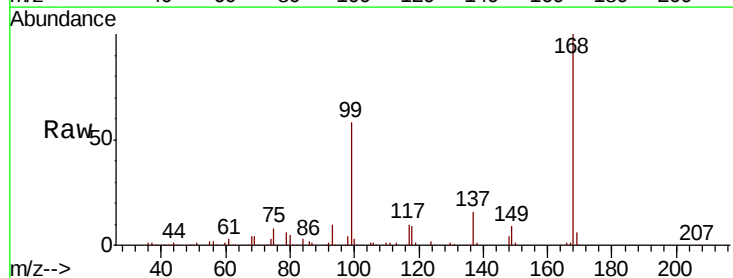
Instrument :
 MSVOA_N
 ClientSampled :

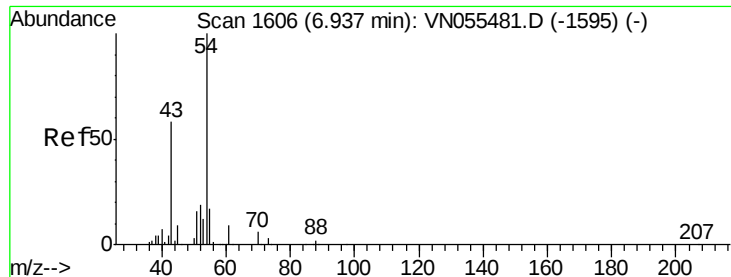
Tot Ion:113 Resp: 447045
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.9 124.3
 192 19.9 15.6 23.4



#36
 1,1-Dichloropropene
 Concen: 4.734 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN055501.D
 Acq: 9 May 2019 16:54

Tgt Ion: 75 Resp: 67322
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.1 48.3#
 77 0.0 24.6 37.0#

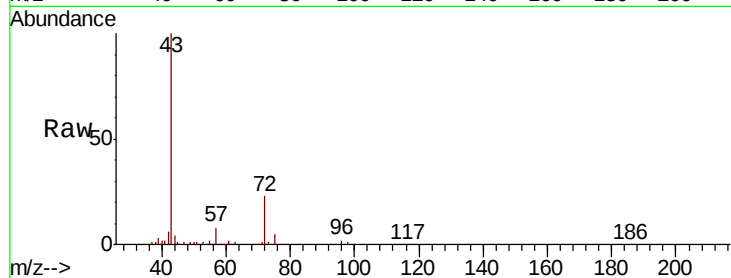




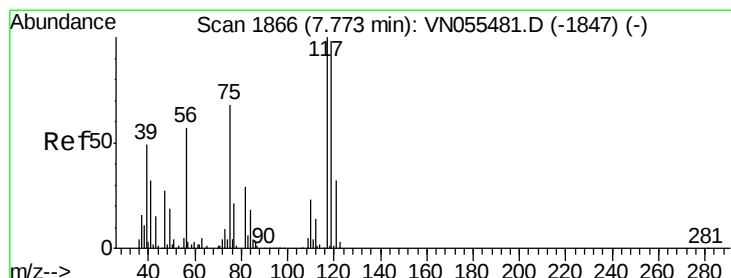
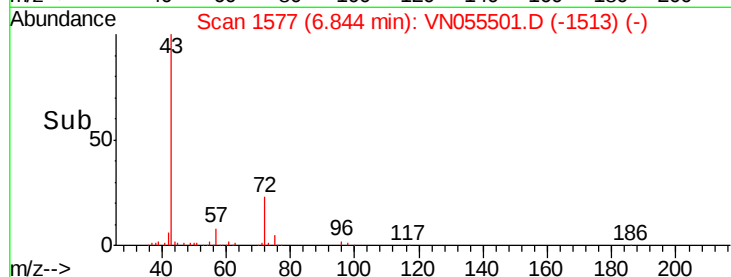
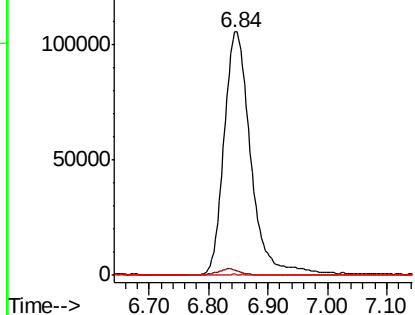
#37
Ethyl Acetate
Concen: 21.166 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. -0.09 min
Lab File: VN055501.D
Acq: 9 May 2019 16:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 328369
Ion Ratio Lower Upper
43 100
61 2.3 10.9 16.3#
70 0.2 7.0 10.6#

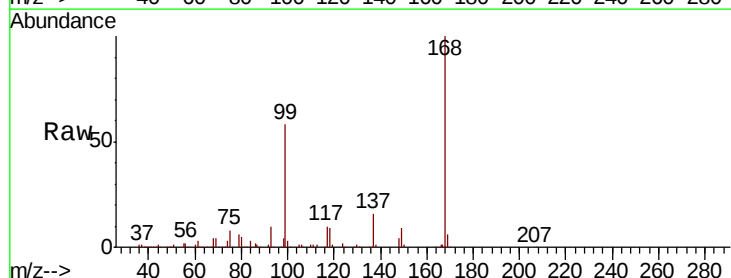


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

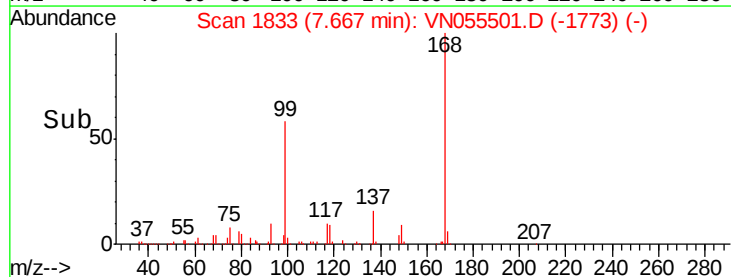
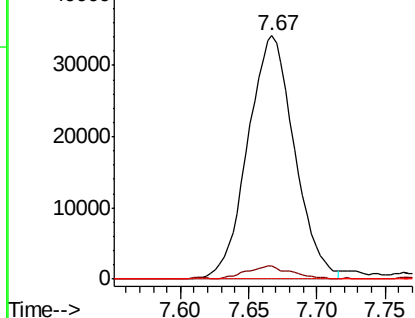


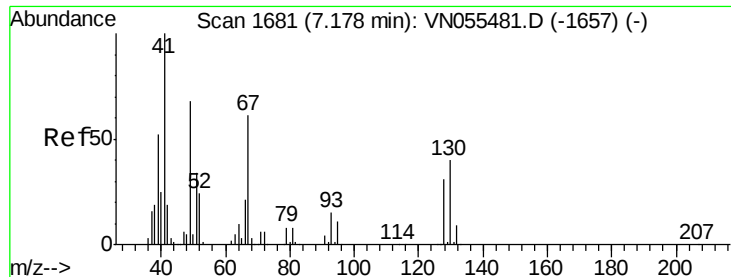
#38
Carbon Tetrachloride
Concen: 6.761 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN055501.D
Acq: 9 May 2019 16:54

Tgt Ion: 117 Resp: 80962
Ion Ratio Lower Upper
117 100
119 5.2 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

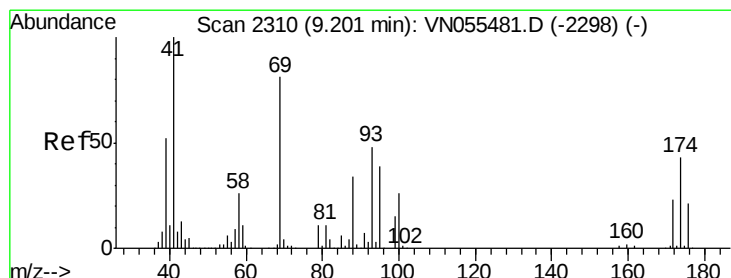
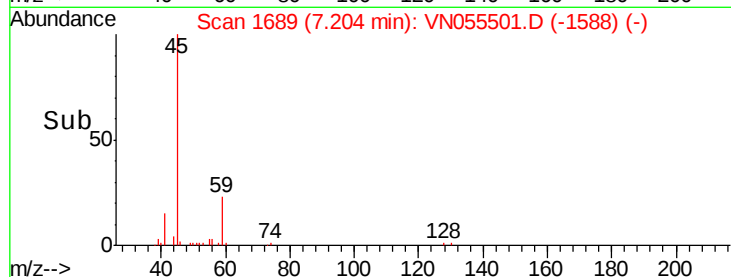
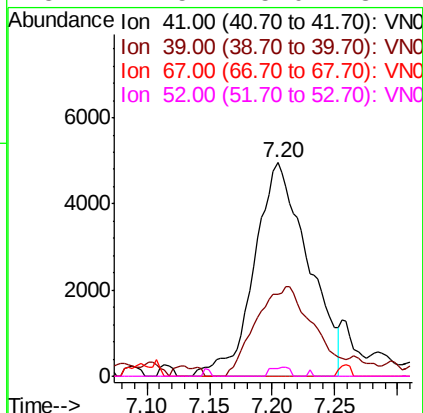
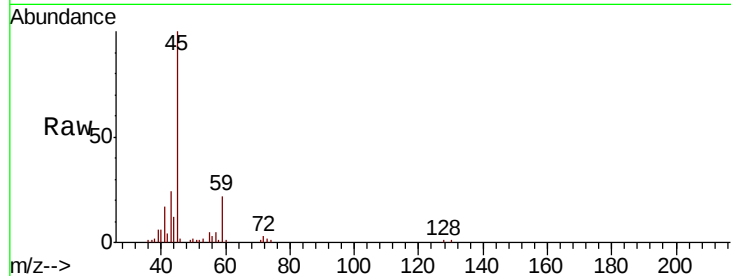




#41
Methacrylonitrile
Concen: 2.049 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.03 min
Lab File: VN055501.D
Acq: 9 May 2019 16:54

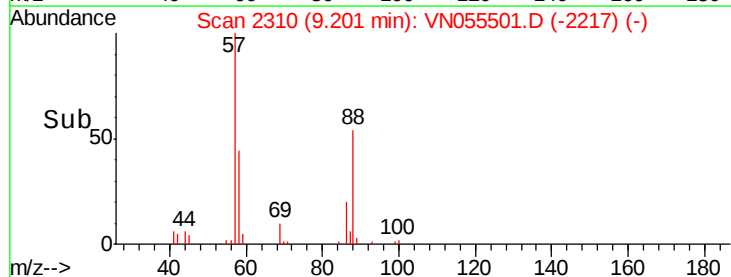
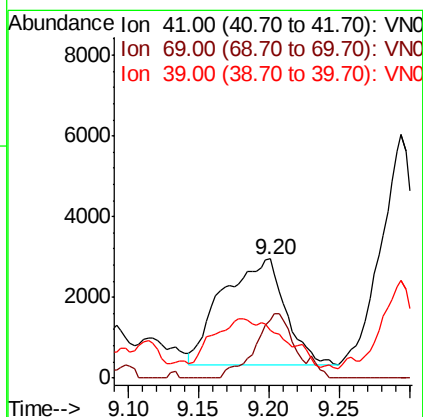
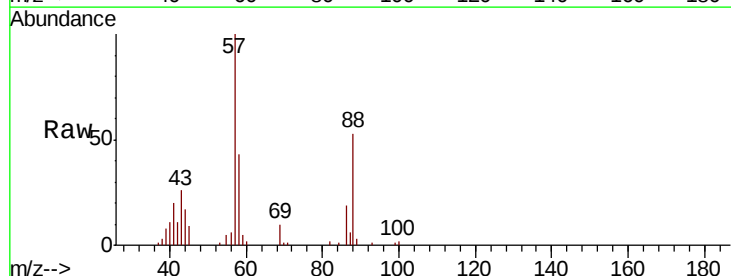
Instrument :
MSVOA_N
ClientSampleId :

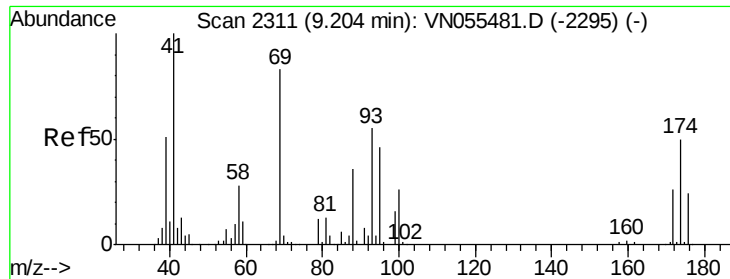
Tot Ion	Ratio	Lower	Upper
41	100		
39	45.3	44.7	67.1
67	0.0	61.4	92.0#
52	1.5	25.0	37.4#



#48
Methyl methacrylate
Concen: 0.723 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055501.D
Acq: 9 May 2019 16:54

Tgt Ion	Ratio	Lower	Upper
41	100		
69	39.2	64.2	96.2#
39	0.0	41.6	62.4#





#49

1,4-Dioxane

Concen: 81.922 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055501.D

Acq: 9 May 2019 16:54

Instrument :
MSVOA_N
ClientSampleId :

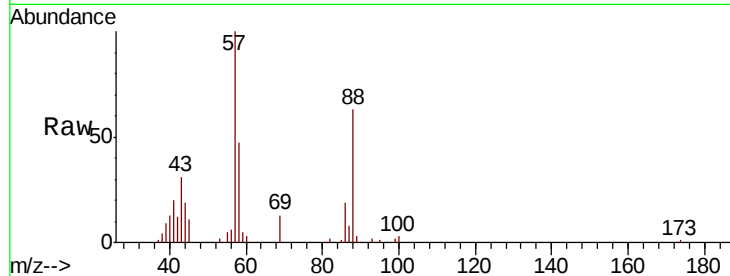
Tot Ion: 88 Resp: 18132

Ion Ratio Lower Upper

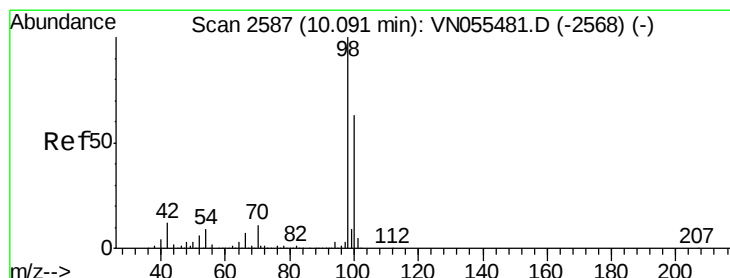
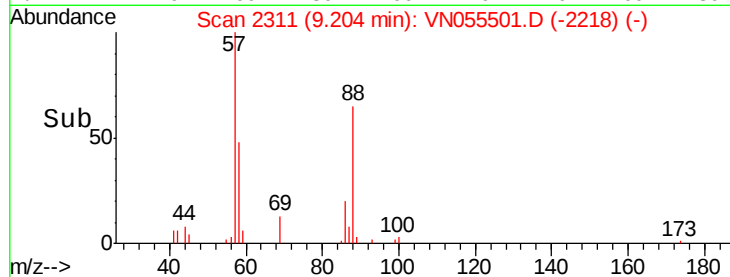
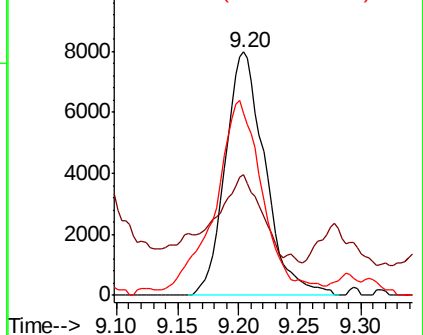
88 100

43 33.6 27.8 41.8

58 90.9 61.8 92.6



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.701 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055501.D

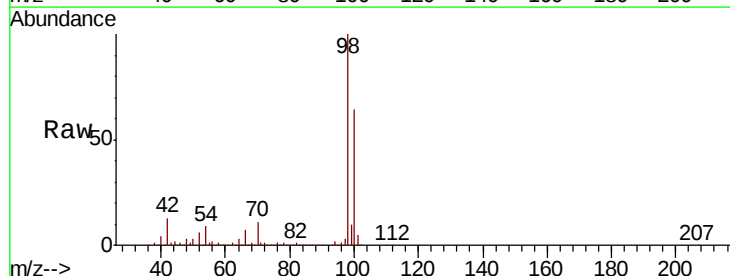
Acq: 9 May 2019 16:54

Tgt Ion: 98 Resp: 1767355

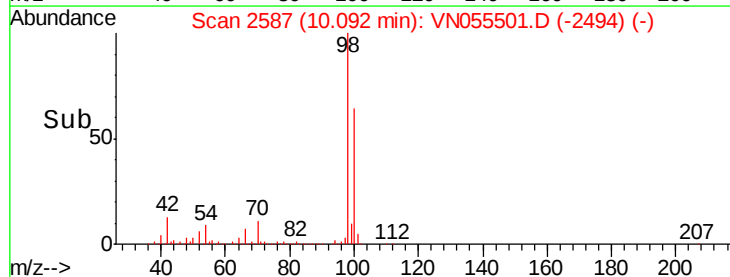
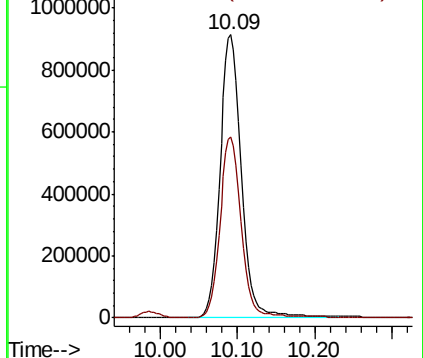
Ion Ratio Lower Upper

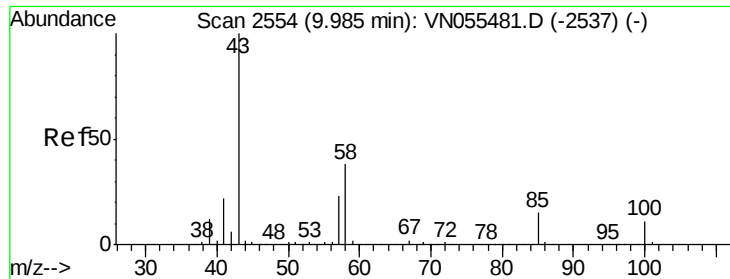
98 100

100 63.3 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 19.982 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055501.D

Acq: 9 May 2019 16:54

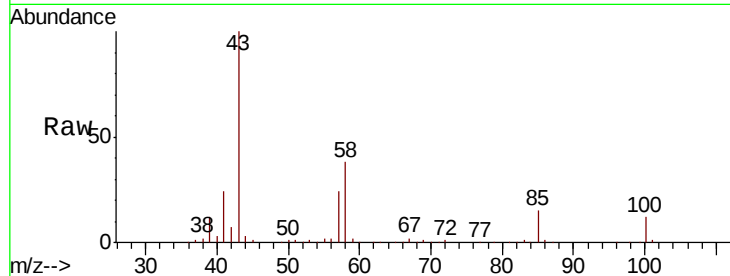
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 309757

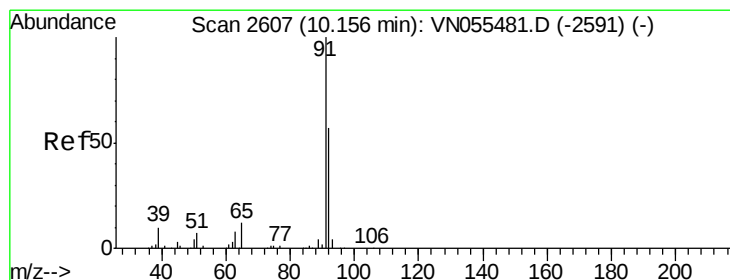
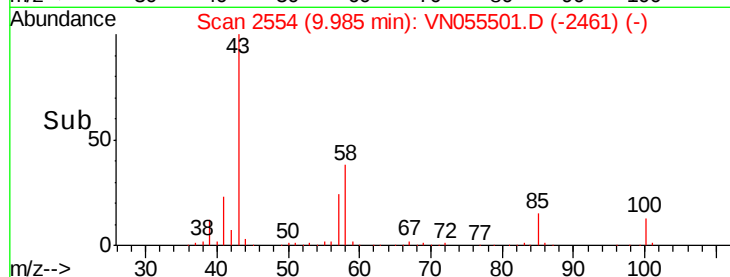
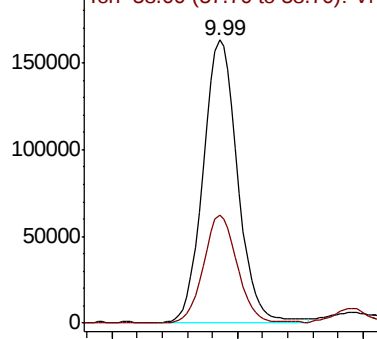
Ion Ratio Lower Upper

43 100

58 37.8 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 8.146 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055501.D

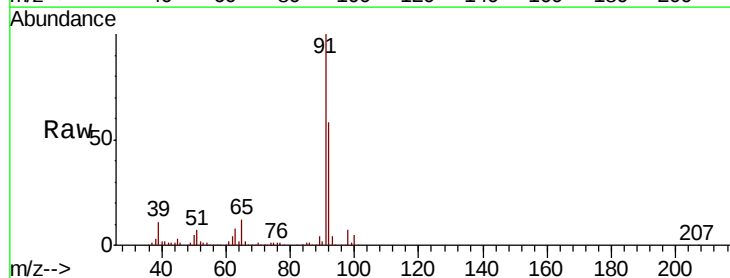
Acq: 9 May 2019 16:54

Tgt Ion: 92 Resp: 205556

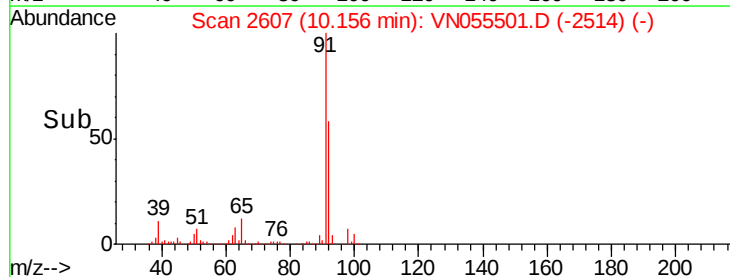
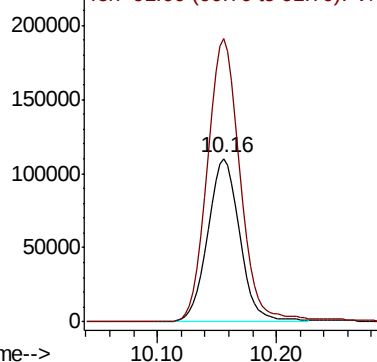
Ion Ratio Lower Upper

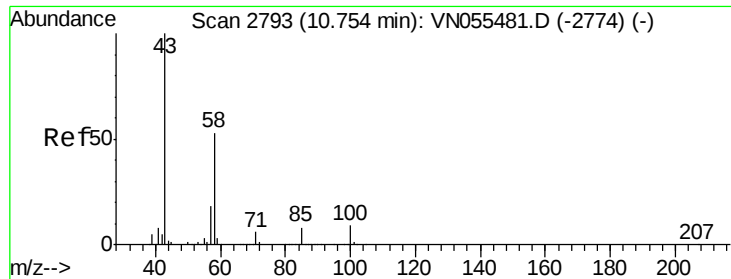
92 100

91 179.7 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0
Ion 91.00 (90.70 to 91.70): VN0

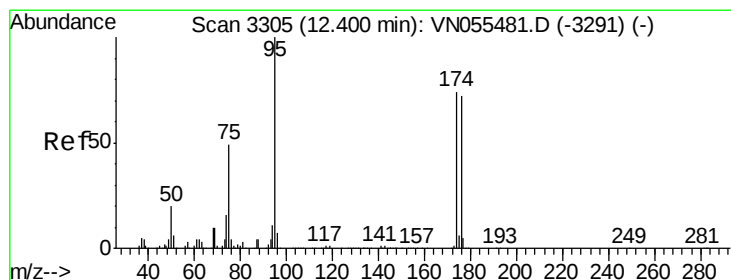
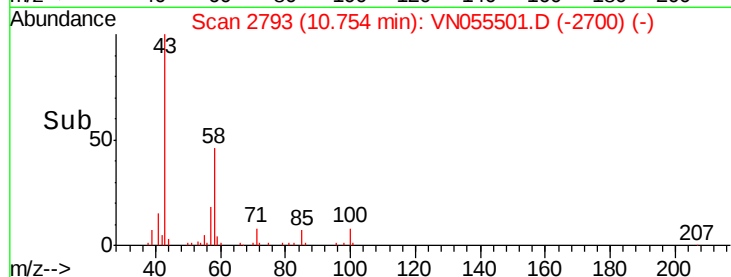
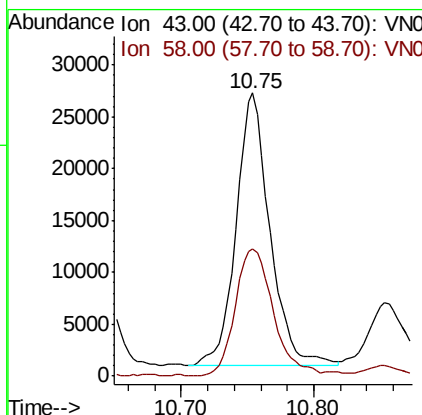
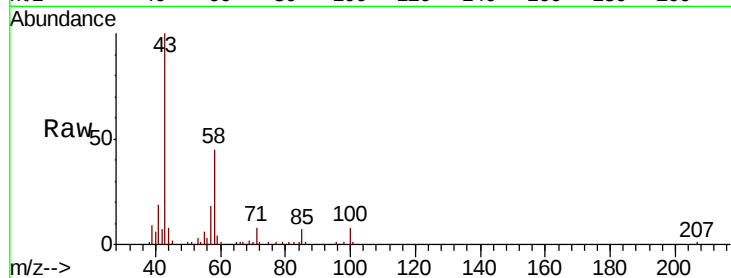




#59
2-Hexanone
Concen: 4.290 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055501.D
Acq: 9 May 2019 16:54

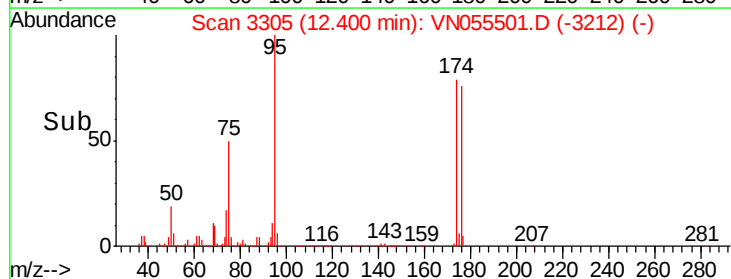
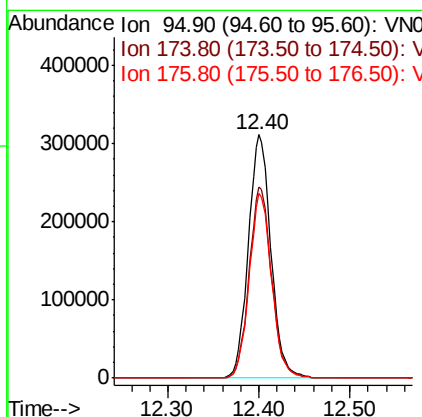
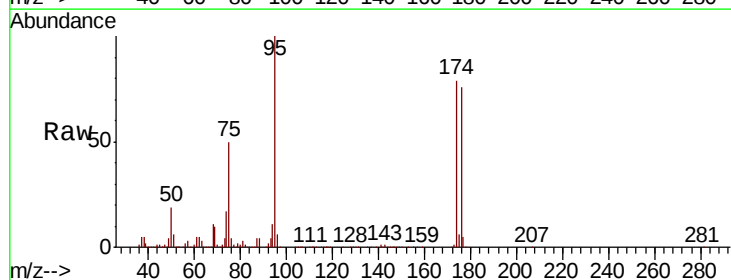
Instrument :
MSVOA_N
ClientSampled :

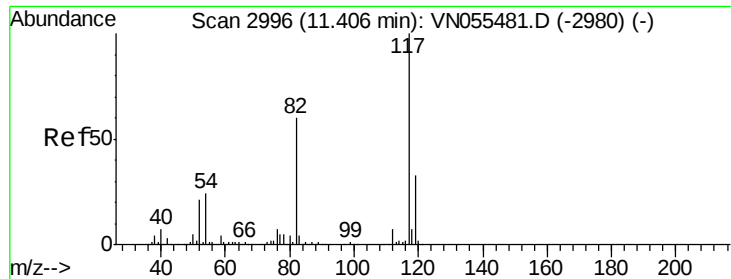
Tot Ion: 43 Resp: 46635
Ion Ratio Lower Upper
43 100
58 52.6 26.4 79.0



#62
4-Bromofluorobenzene
Concen: 43.731 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055501.D
Acq: 9 May 2019 16:54

Tgt Ion: 95 Resp: 535118
Ion Ratio Lower Upper
95 100
174 78.3 0.0 152.2
176 75.1 0.0 147.8

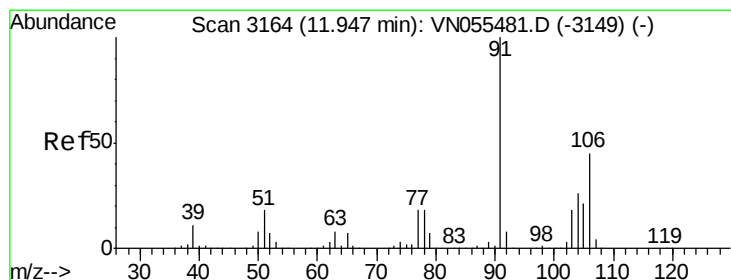
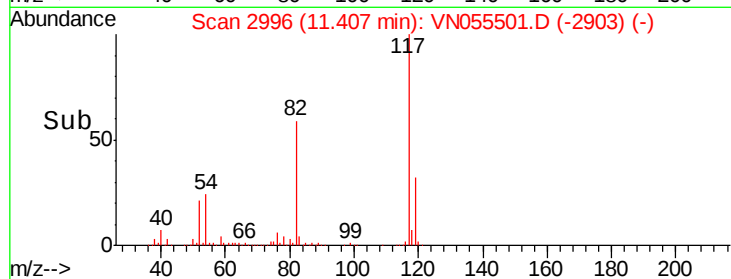
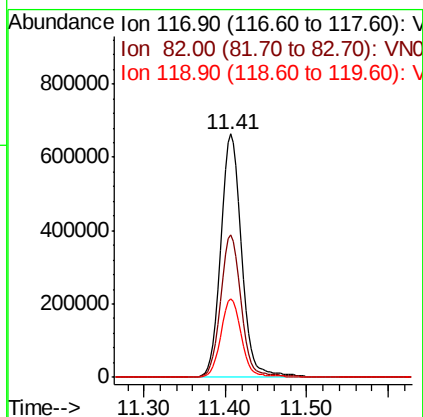
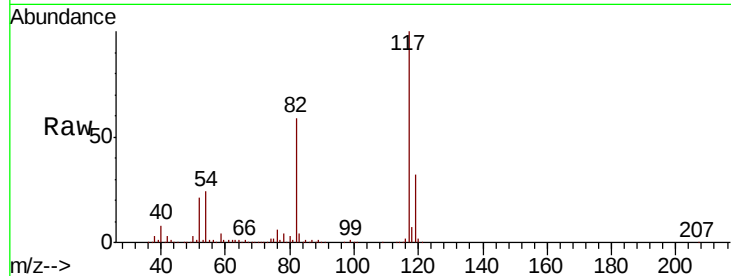




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055501.D
Acq: 9 May 2019 16:54

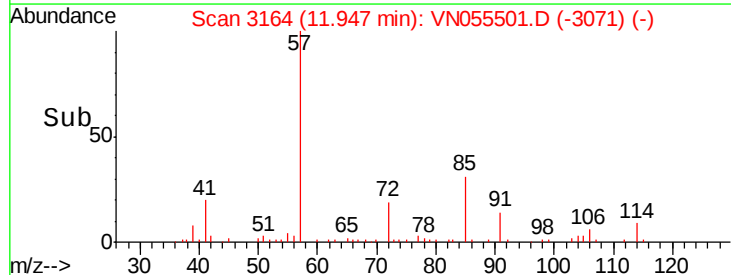
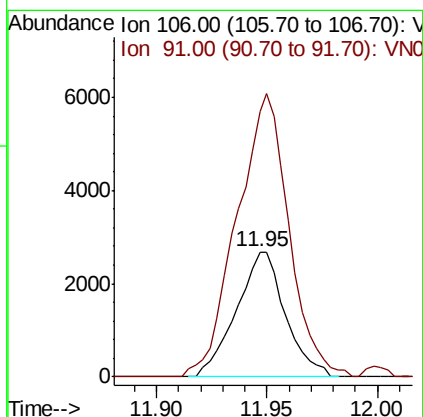
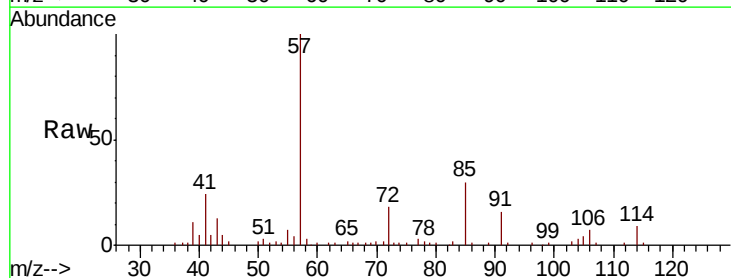
Instrument :
MSVOA_N
ClientSampleId :

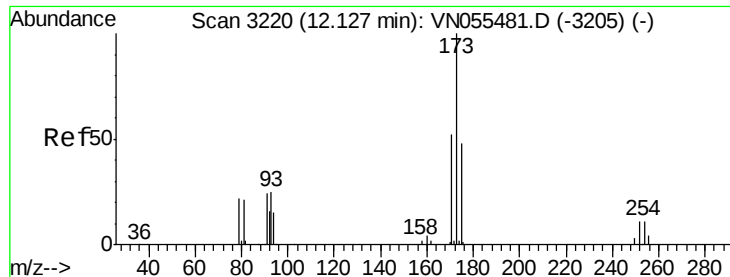
Tot Ion:117 Resp: 1208506
Ion Ratio Lower Upper
117 100
82 58.7 48.0 72.0
119 32.3 26.0 39.0



#69
o-Xylene
Concen: 0.251 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055501.D
Acq: 9 May 2019 16:54

Tgt Ion:106 Resp: 4128
Ion Ratio Lower Upper
106 100
91 242.0 111.3 333.8

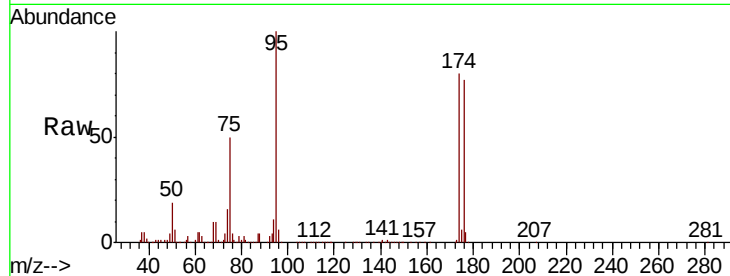




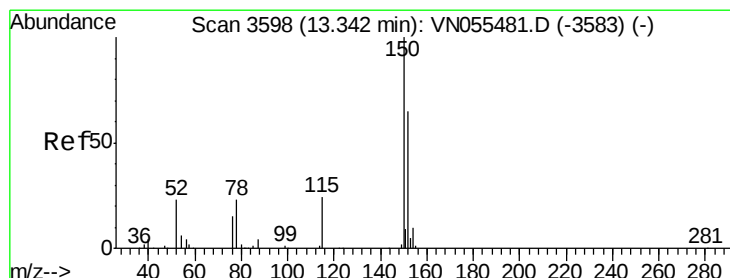
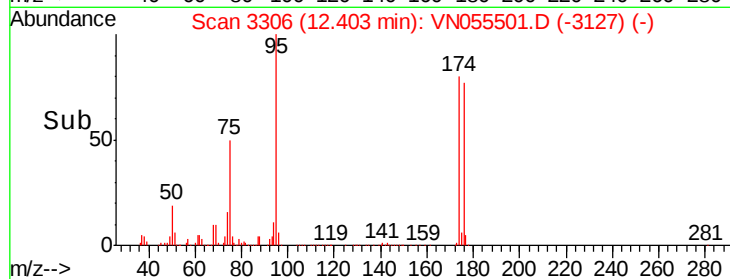
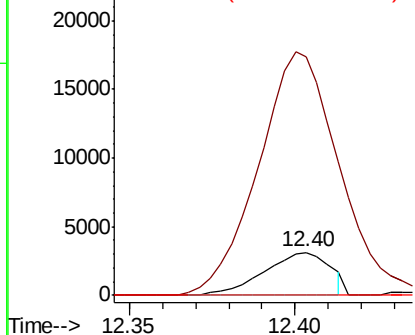
#71
Bromoform
Concen: 0.748 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055501.D
Acq: 9 May 2019 16:54

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 4320
Ion Ratio Lower Upper
173 100
175 605.8 24.1 72.4#
254 0.0 0.1 0.1#

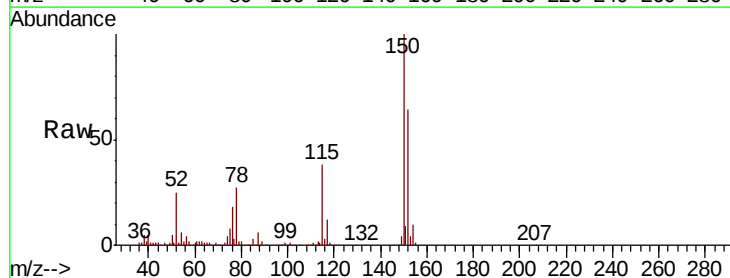


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

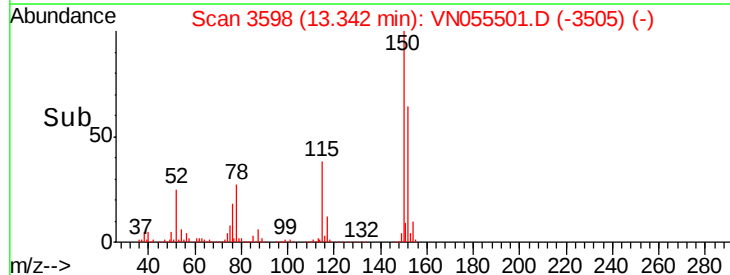
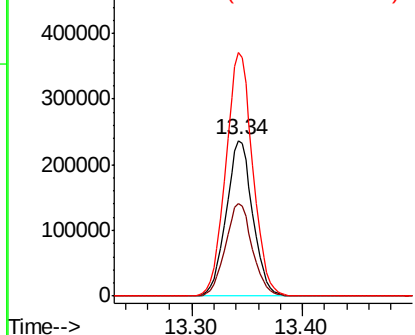


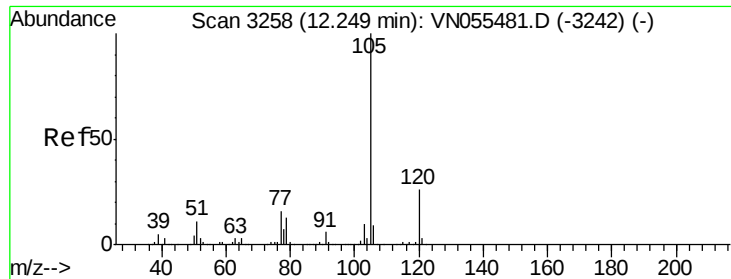
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055501.D
Acq: 9 May 2019 16:54

Tgt Ion:152 Resp: 393964
Ion Ratio Lower Upper
152 100
115 59.9 30.1 90.5
150 158.8 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: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055501.D

Acq: 9 May 2019 16:54

Instrument :

MSVOA_N

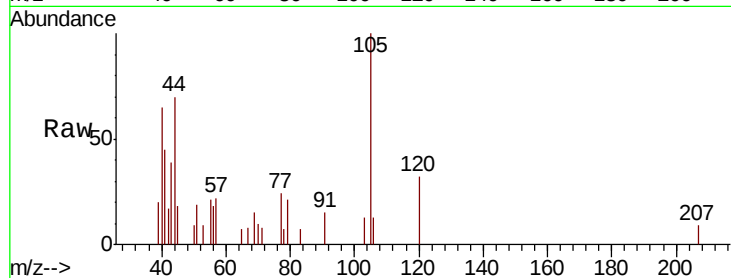
ClientSampleId :

Tot Ion:105 Resp: 3974

Ion Ratio Lower Upper

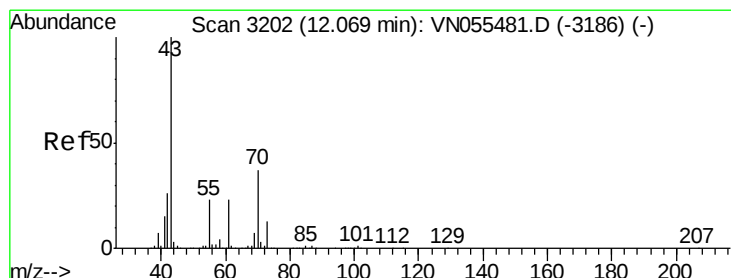
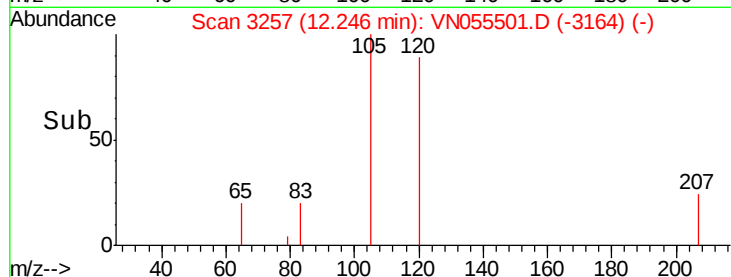
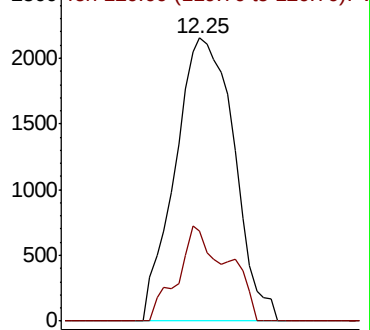
105 100

120 28.3 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.970 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN055501.D

Acq: 9 May 2019 16:54

Tgt Ion: 43 Resp: 74335

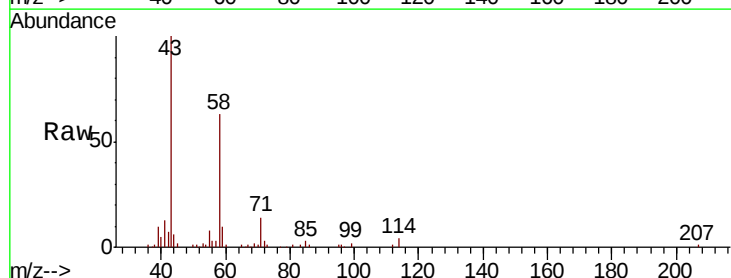
Ion Ratio Lower Upper

43 100

70 1.0 30.7 46.1#

55 0.0 19.3 28.9#

61 0.0 18.6 27.8#

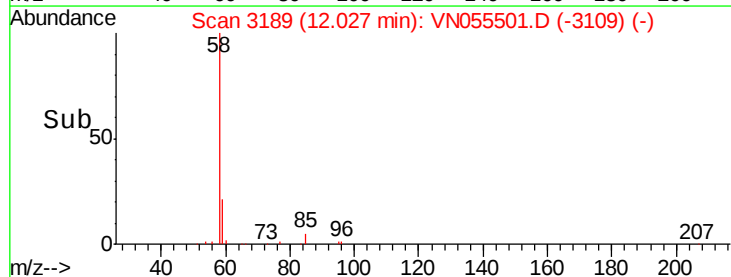
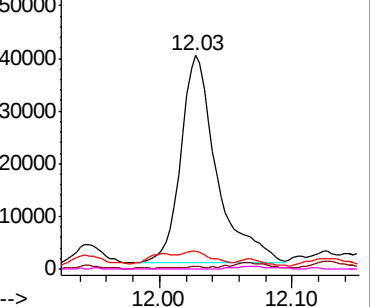


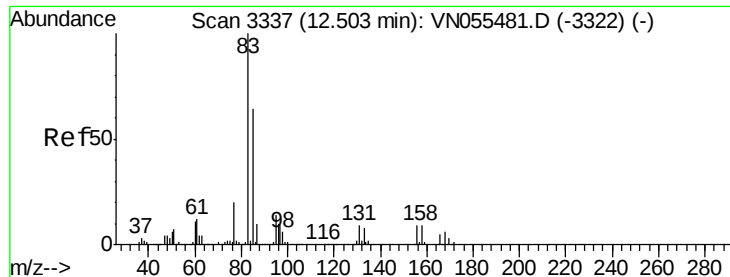
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN055501.D

Acq: 9 May 2019 16:54

Instrument :

MSVOA_N

ClientSampleId :

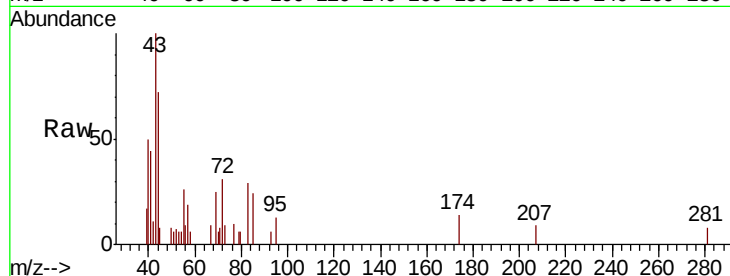
Tot Ion: 83 Resp: 1105

Ion Ratio Lower Upper

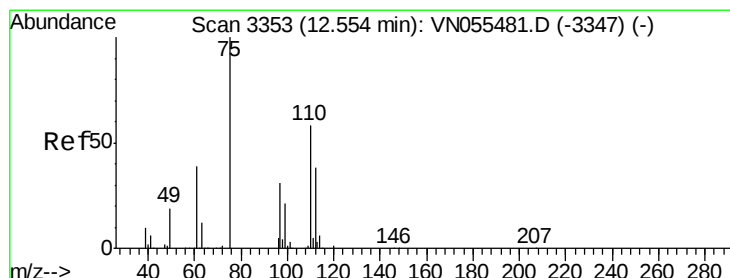
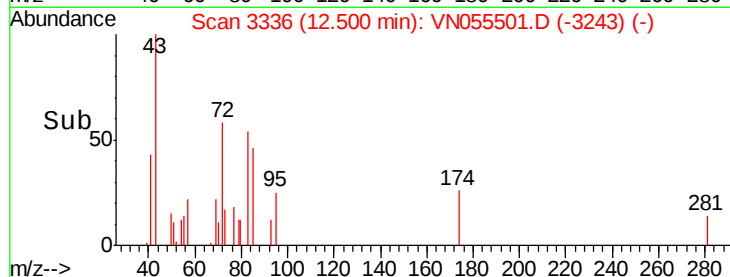
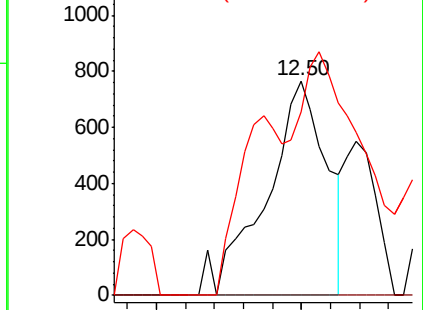
83 100

131 0.0 4.5 13.5#

85 71.6 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: 24.604 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055501.D

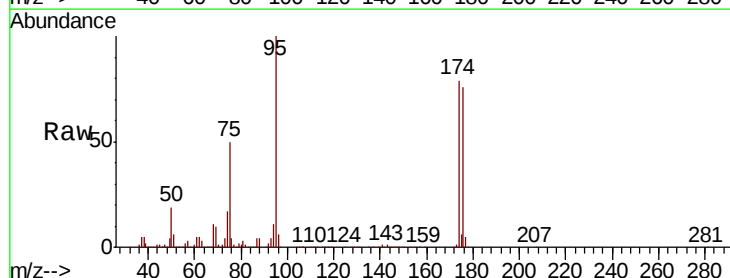
Acq: 9 May 2019 16:54

Tgt Ion: 75 Resp: 263878

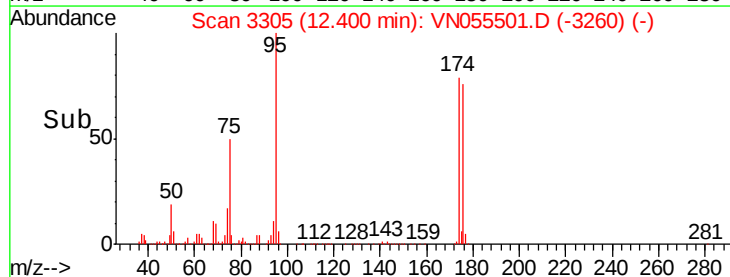
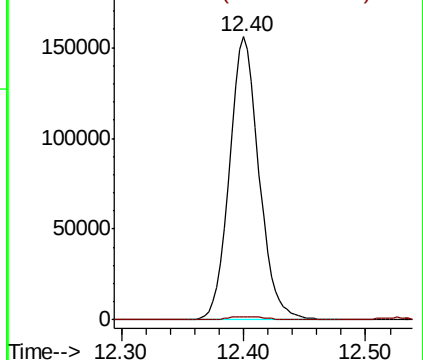
Ion Ratio Lower Upper

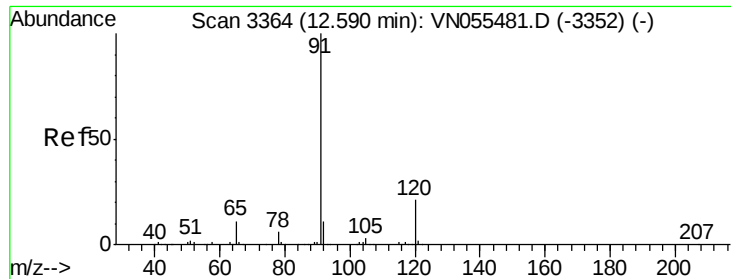
75 100

77 1.5 0.0 0.0#



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





#78

n-propylbenzene

Concen: 0.215 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055501.D

Acq: 9 May 2019 16:54

Instrument :

MSVOA_N

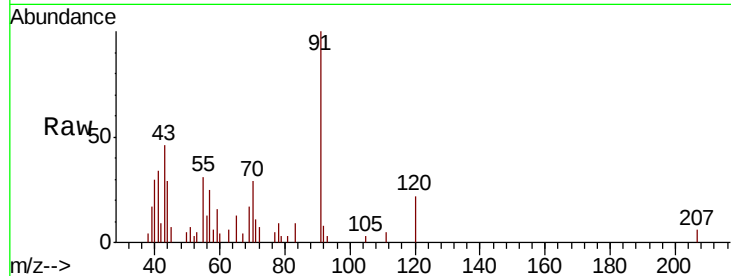
ClientSampleId :

Tot Ion: 91 Resp: 9084

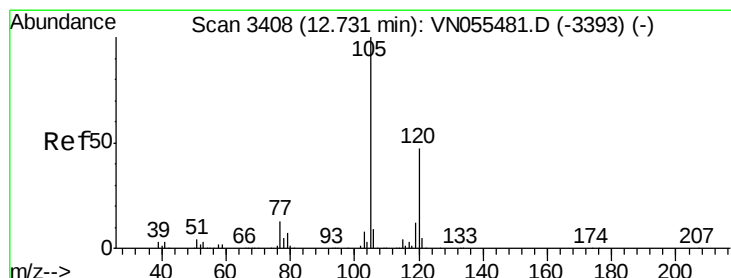
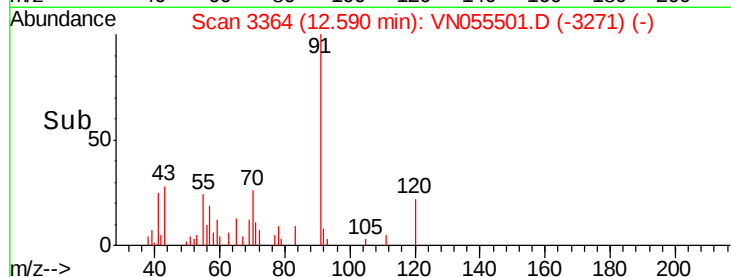
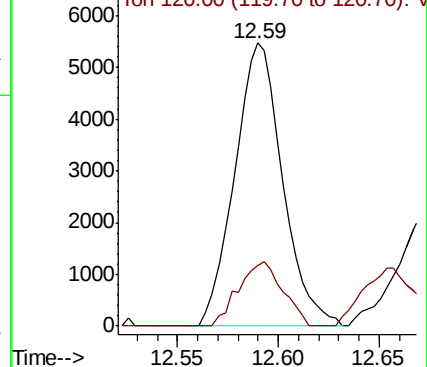
Ion Ratio Lower Upper

91 100

120 21.1 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN055501.D (-3352) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.221 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055501.D

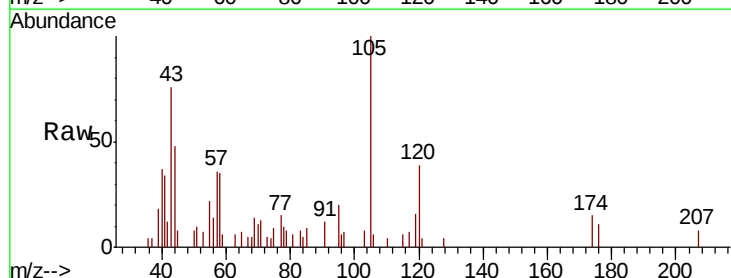
Acq: 9 May 2019 16:54

Tgt Ion: 105 Resp: 6968

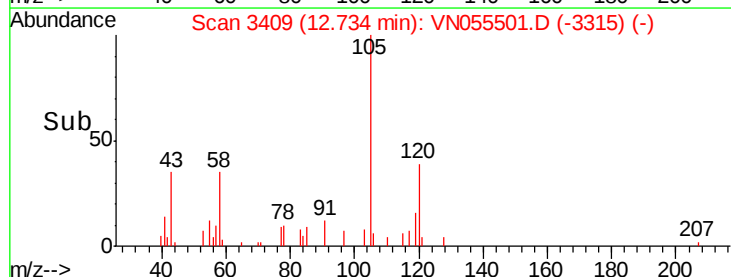
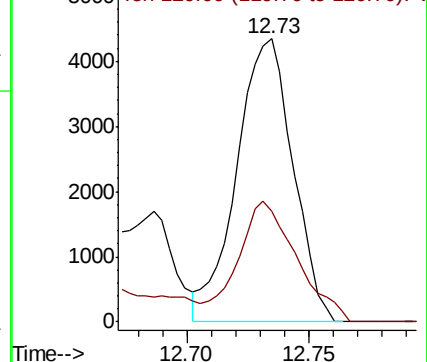
Ion Ratio Lower Upper

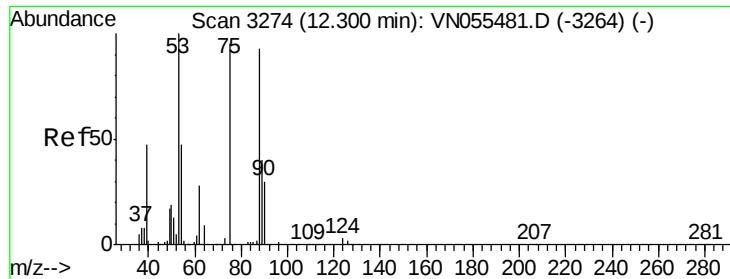
105 100

120 44.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055501.D (-3393) (-)

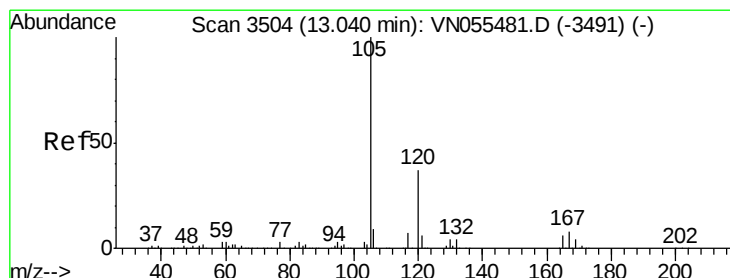
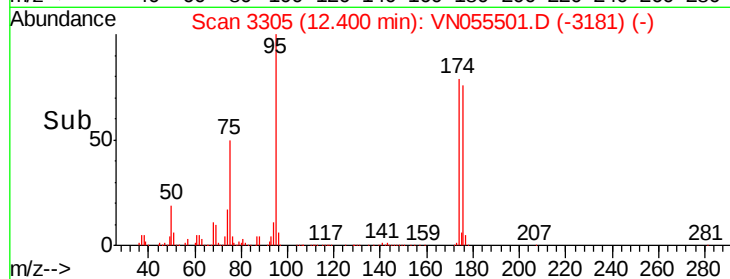
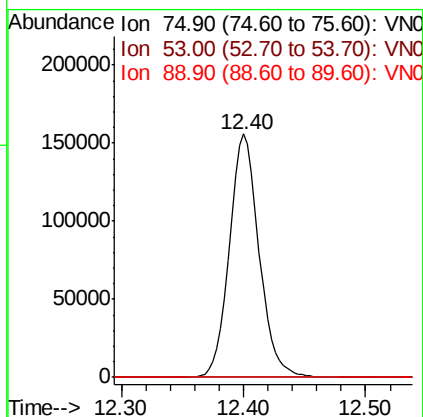
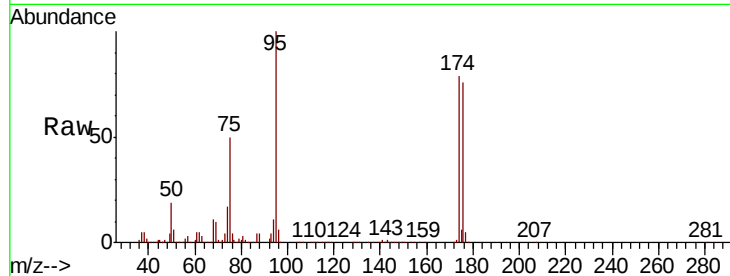




#81
trans-1,4-Dichloro-2-butene
Concen: 90.785 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN055501.D
Acq: 9 May 2019 16:54

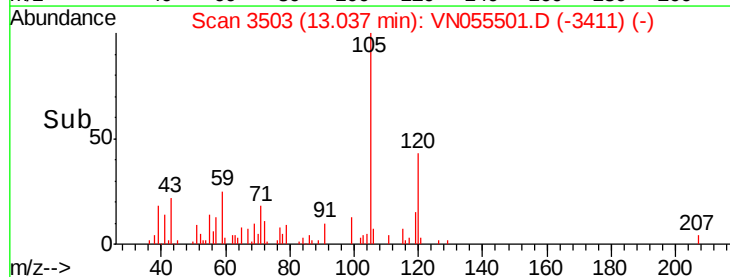
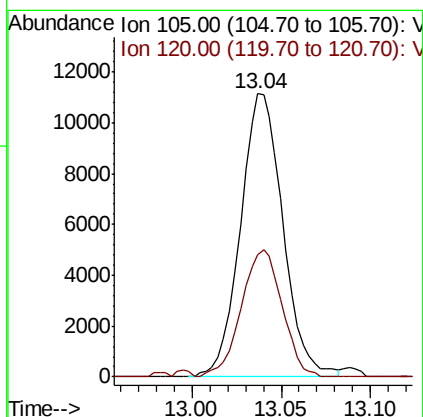
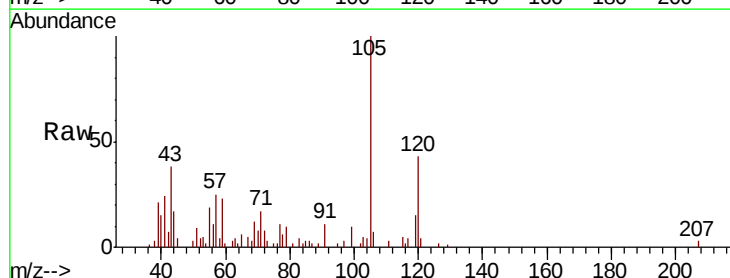
Instrument :
MSVOA_N
ClientSampleId :

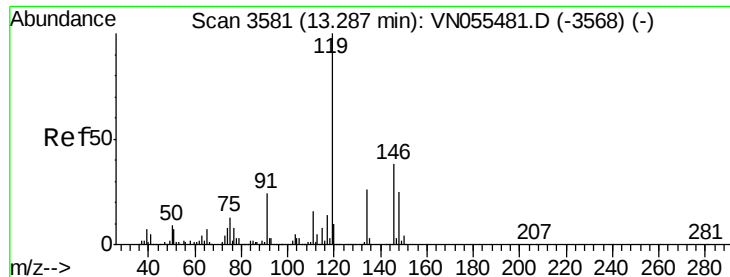
Tot Ion: 75 Resp: 263878
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 35.7 53.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.643 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055501.D
Acq: 9 May 2019 16:54

Tgt Ion: 105 Resp: 18588
Ion Ratio Lower Upper
105 100
120 43.2 22.1 66.5

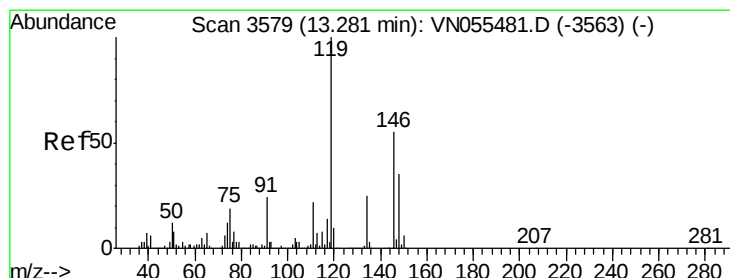
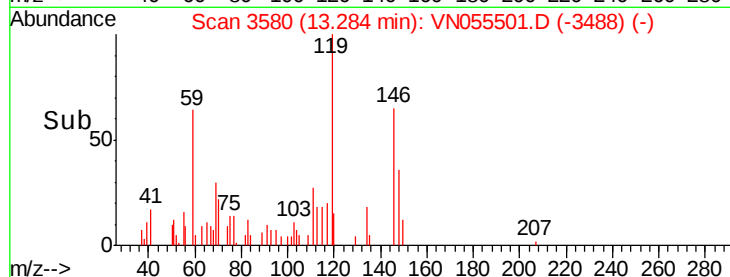
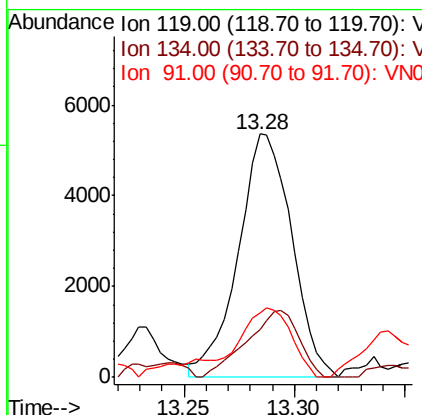
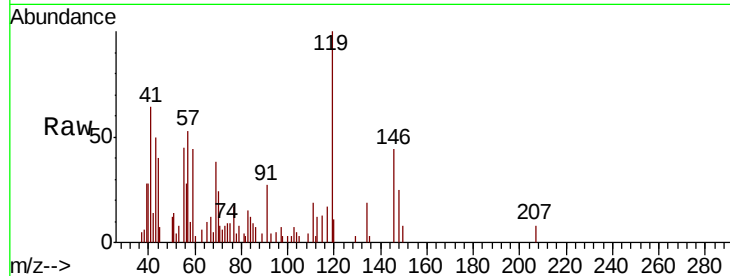




#86
 p-Isopropyltoluene
 Concen: 0.311 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN055501.D
 Acq: 9 May 2019 16:54

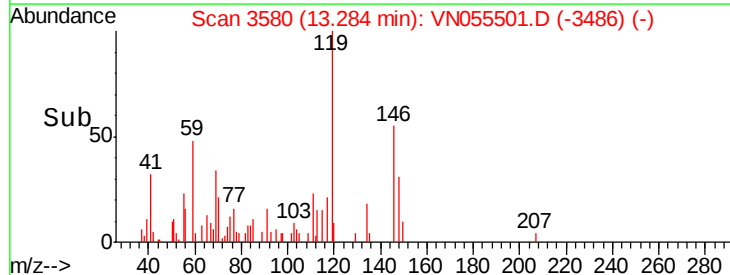
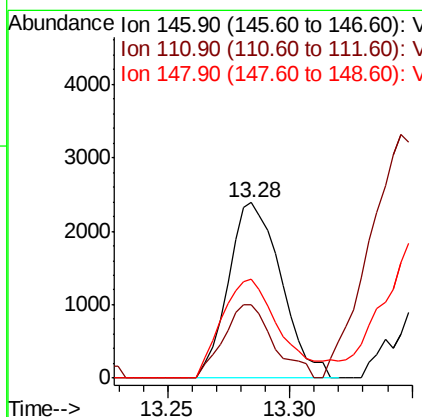
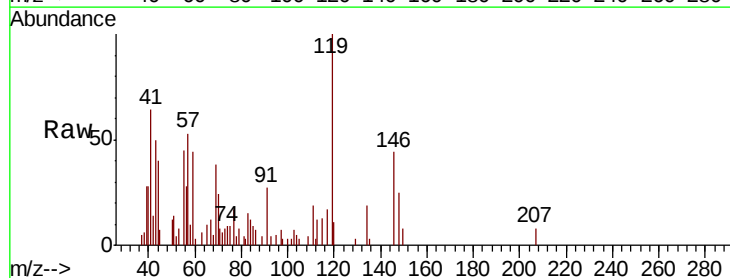
Instrument :
 MSVOA_N
 ClientSampleId :

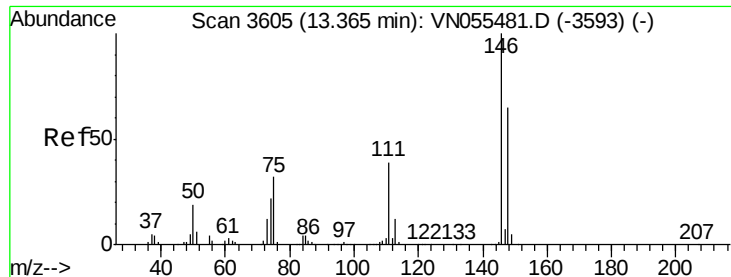
Tot Ion:119 Resp: 9080
 Ion Ratio Lower Upper
 119 100
 134 26.7 12.8 38.4
 91 26.4 12.0 36.0



#87
 1,3-Dichlorobenzene
 Concen: 0.267 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055501.D
 Acq: 9 May 2019 16:54

Tgt Ion:146 Resp: 3584
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.4 61.3
 148 62.0 32.1 96.5

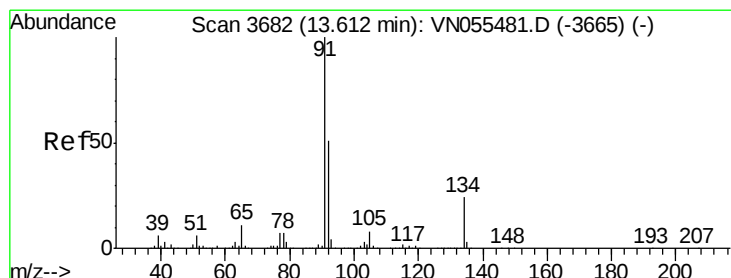
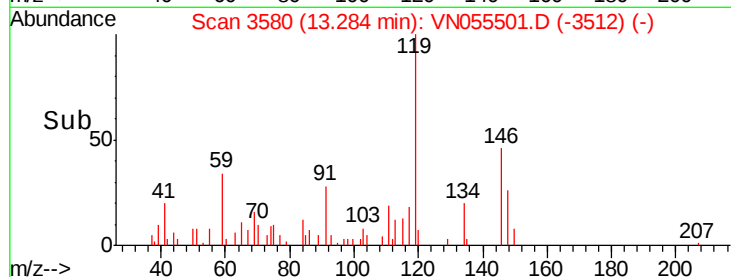
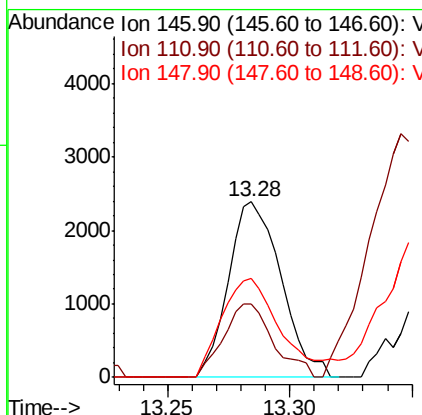
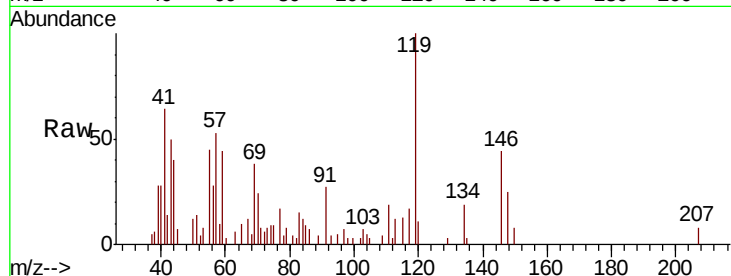




#88
 1,4-Dichlorobenzene
 Concen: 0.271 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN055501.D
 Acq: 9 May 2019 16:54

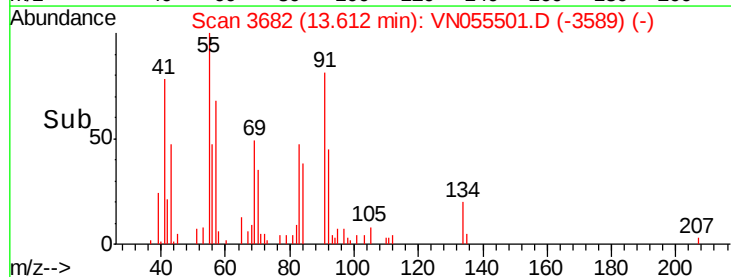
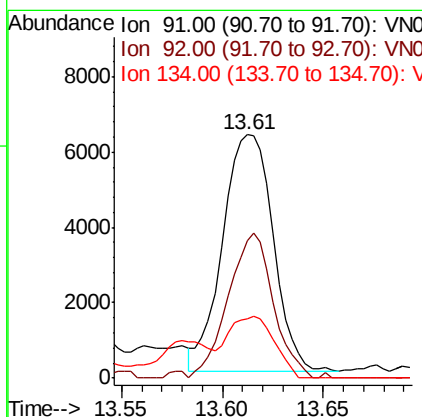
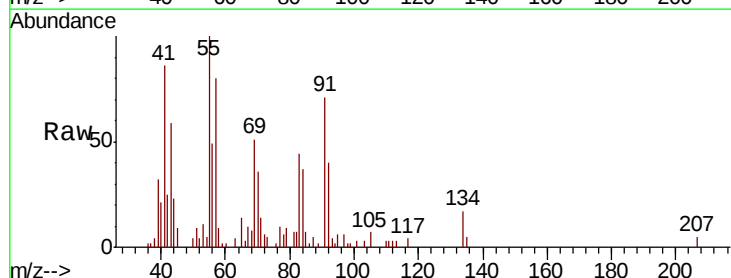
Instrument :
 MSVOA_N
 ClientSampleId :

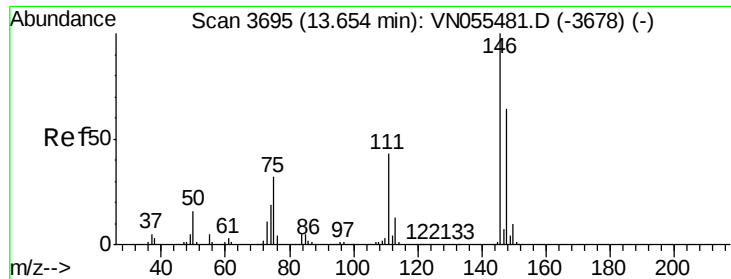
Tot Ion:146 Resp: 3584
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.6 58.8
 148 62.0 32.5 97.4



#89
 n-Butylbenzene
 Concen: 0.487 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN055501.D
 Acq: 9 May 2019 16:54

Tgt Ion: 91 Resp: 11037
 Ion Ratio Lower Upper
 91 100
 92 54.6 25.9 77.7
 134 23.9 11.8 35.4

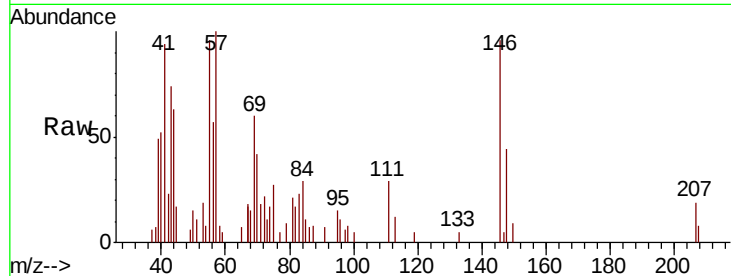




#91
 1,2-Dichlorobenzene
 Concen: 0.338 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055501.D
 Acq: 9 May 2019 16:54

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.3	63.7
148	54.4	31.9	95.9

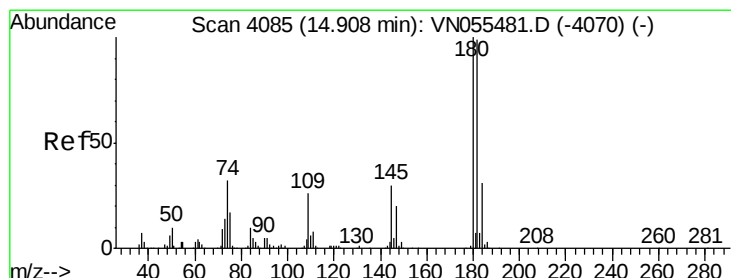
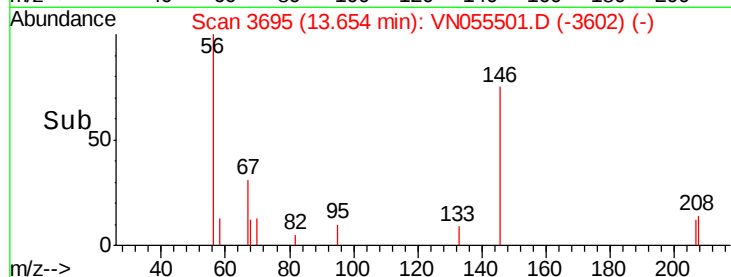
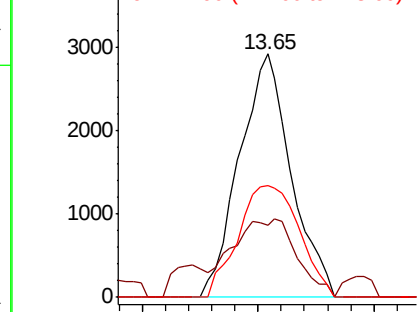


Abundance

Ion 145.90 (145.60 to 146.60): V

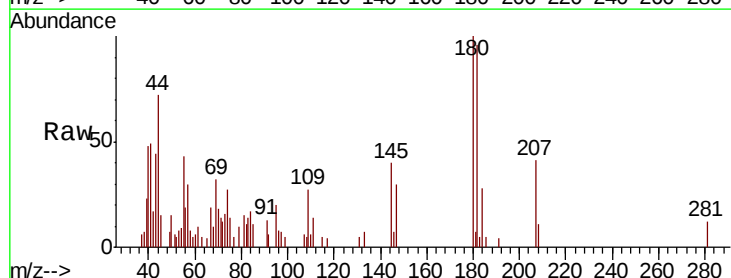
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93
 1,2,4-Trichlorobenzene
 Concen: 4.168 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055501.D
 Acq: 9 May 2019 16:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.7	146.1
145	42.0	15.3	45.9

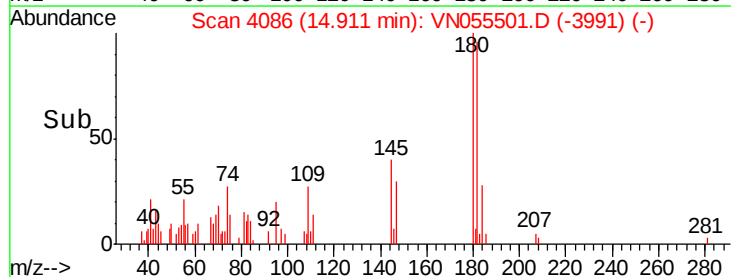
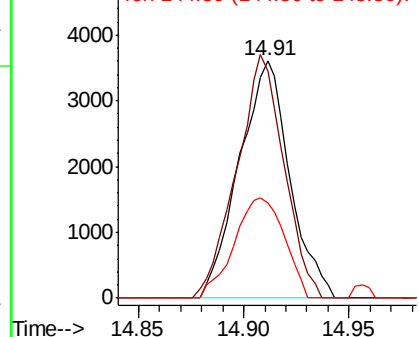


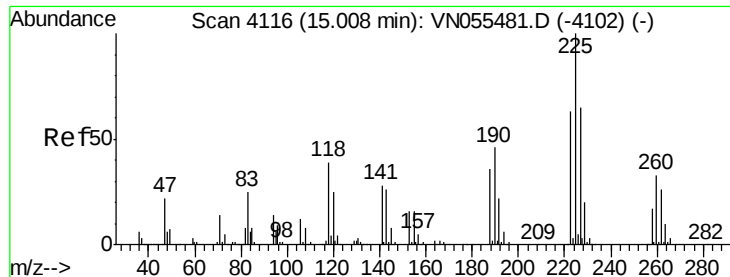
Abundance

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# 4116

Delta R.T. 0.00 min

Lab File: VN055501.D

Acq: 9 May 2019 16:54

Instrument :

MSVOA_N

ClientSampleId :

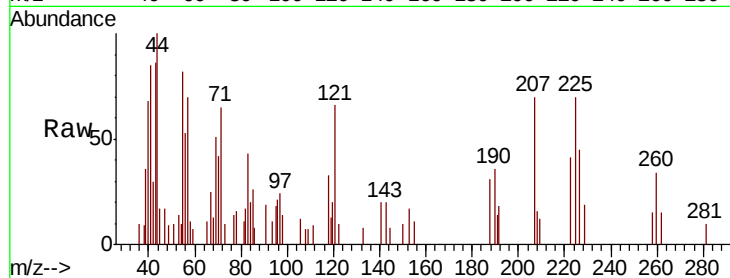
Tot Ion:225 Resp: 2248

Ion Ratio Lower Upper

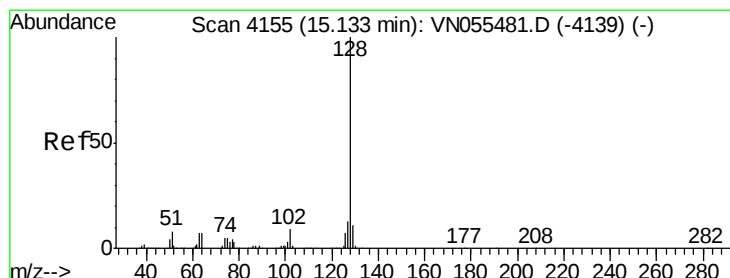
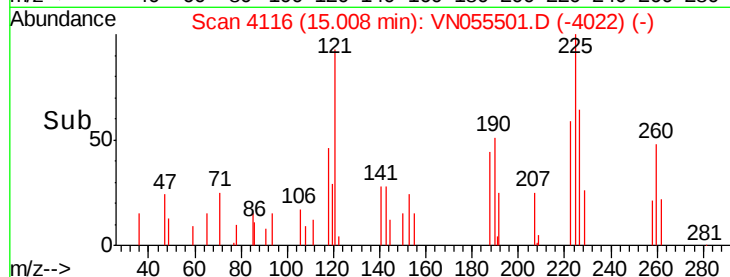
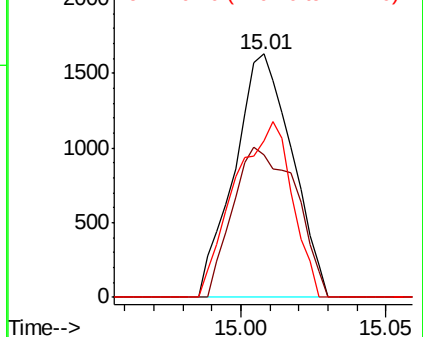
225 100

223 67.9 31.4 94.3

227 72.3 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: 5.693 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055501.D

Acq: 9 May 2019 16:54

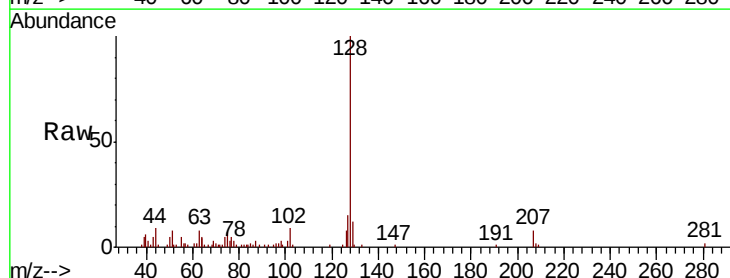
Tgt Ion:128 Resp: 48102

Ion Ratio Lower Upper

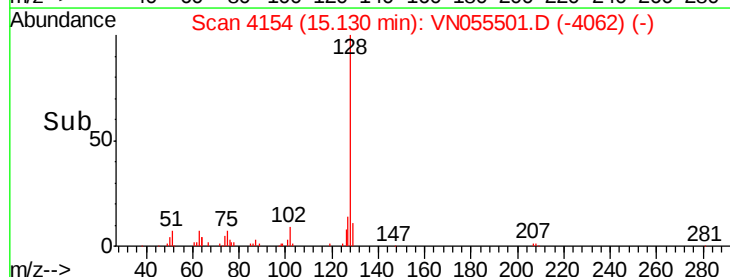
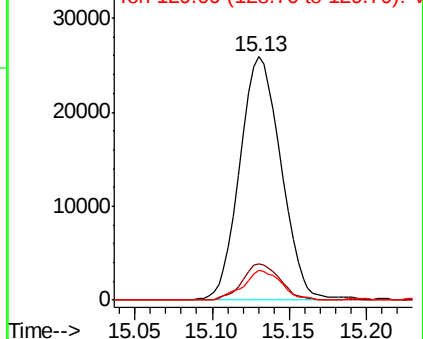
128 100

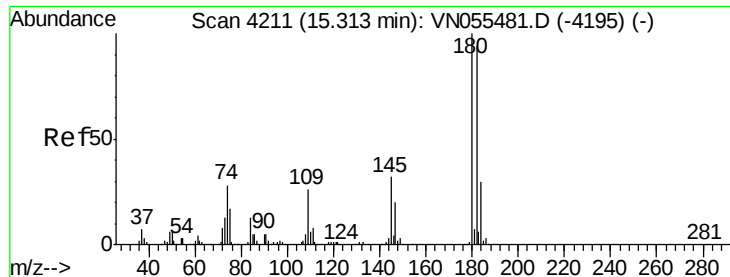
127 13.7 10.0 15.0

129 11.3 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

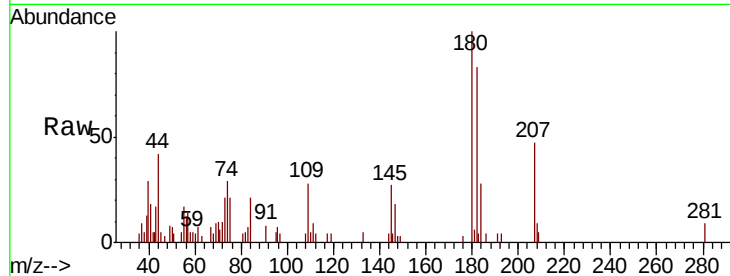




#96
 1,2,3-Trichlorobenzene
 Concen: 3.693 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN055501.D
 Acq: 9 May 2019 16:54

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.0	47.1	141.3
145	32.9	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

