

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050619\
 Data File : VN055421.D
 Acq On : 6 May 2019 17:29
 Operator : JC/SP
 Sample : K2647-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-04-050219-A

Quant Time: May 07 01:10:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	498689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	772683	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	630242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187329	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	311945	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
35) Dibromofluoromethane	7.59	113	244926	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
50) Toluene-d8	10.09	98	908951	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.40	95	266919	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	

Target Compounds

					Qvalue	
16) Acetone	3.82	43	17535	8.626	ug/l	90
17) Carbon Disulfide	4.06	76	3482	0.271	ug/l #	74
18) Methyl Acetate	4.35	43	3810	Below Cal	#	81
20) Methylene Chloride	4.56	84	114842	18.509	ug/l	97
25) 2-Butanone	6.85	43	918	0.353	ug/l #	74
29) Tetrahydrofuran	7.21	42	400	0.240	ug/l #	62
30) Chloroform	7.38	83	3520	0.344	ug/l	97
31) Cyclohexane	7.67	56	10834	1.056	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	37530	5.071	ug/l #	51
38) Carbon Tetrachloride	7.67	117	46031	6.447	ug/l #	15
41) Methacrylonitrile	7.19	41	235	0.815	ug/l #	23
43) Isopropyl Acetate	8.17	43	12861	1.411	ug/l	93
45) 1,2-Dichloropropane	9.27	63	1463	0.232	ug/l #	45
48) Methyl methacrylate	9.18	41	7160	1.598	ug/l #	18
51) 4-Methyl-2-Pentanone	10.02	43	7529	1.467	ug/l #	39
54) cis-1,3-Dichloropropene	9.90	75	46986	5.883	ug/l #	66
57) 1,3-Dichloropropane	10.76	76	8658	1.062	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.91	63	223	12.524	ug/l #	52
59) 2-Hexanone	10.76	43	154874	48.229	ug/l #	53
67) Ethyl Benzene	11.51	91	6246	0.281	ug/l #	88
68) m/p-Xylenes	11.62	106	5432	0.684	ug/l	93
69) o-Xylene	11.95	106	1939	0.246	ug/l	97
71) Bromoform	12.41	173	2650	0.990	ug/l #	1
73) Isopropylbenzene	12.25	105	3005	Below Cal		84
74) N-amyl acetate	12.07	43	1629	0.339	ug/l #	70
75) 1,1,2,2-Tetrachloroethane	12.51	83	30	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	139541	39.549	ug/l #	100
77) Bromobenzene	12.53	156	532	Below Cal		85
78) n-propylbenzene	12.59	91	7376	0.383	ug/l	100
79) 2-Chlorotoluene	12.77	91	1665	Below Cal		77
80) 1,3,5-Trimethylbenzene	12.73	105	11470	0.781	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	139541	141.163	ug/l #	7
83) tert-Butylbenzene	12.99	119	1548	Below Cal		91
84) 1,2,4-Trimethylbenzene	13.04	105	23419	1.783	ug/l	100

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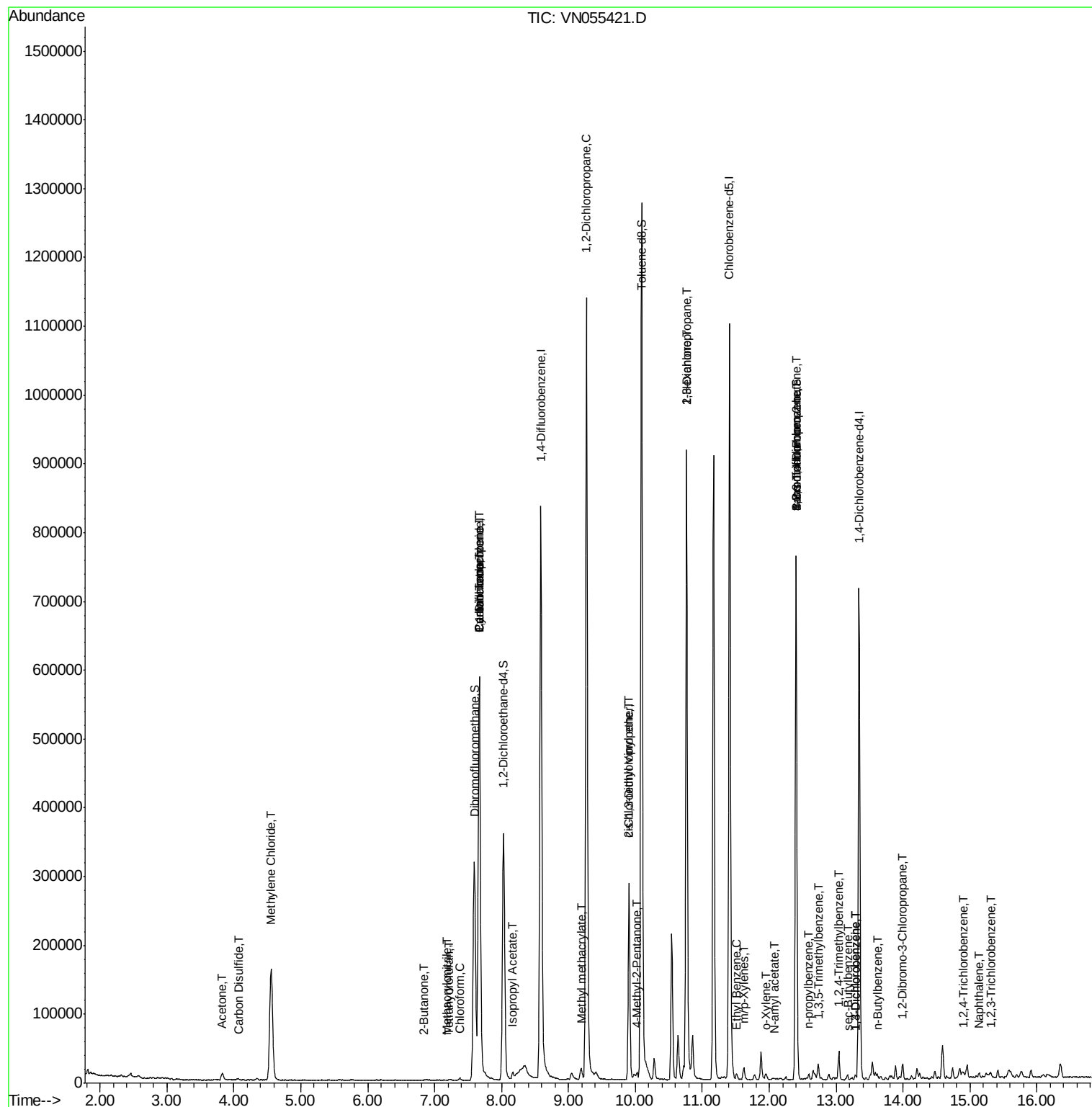
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	4470	0.280	ug/l	90
87) 1,3-Dichlorobenzene	13.28	146	1550	0.247	ug/l	87
88) 1,4-Dichlorobenzene	13.28	146	1550	0.263	ug/l	88
89) n-Butylbenzene	13.62	91	4863	0.522	ug/l #	80
90) Hexachloroethane	13.89	117	1062	Below Cal	#	7
92) 1,2-Dibromo-3-Chloropropan	14.00	75	100	0.203	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	1720	3.966	ug/l #	78
94) Hexachlorobutadiene	15.01	225	944	Below Cal	#	66
95) Naphthalene	15.13	128	6534	4.500	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.32	180	1944	3.376	ug/l #	52

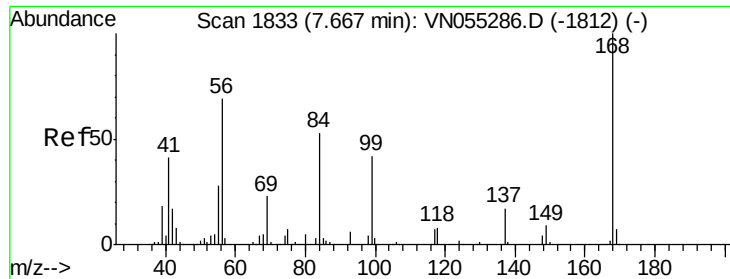
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

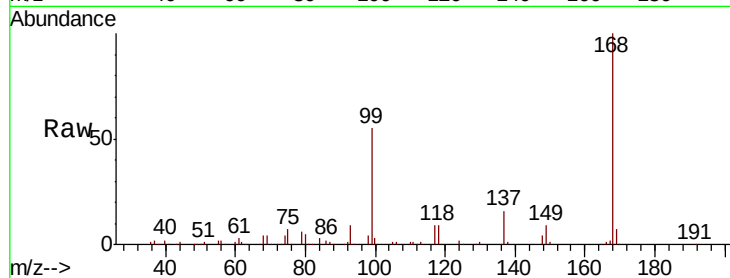
SU-04-050219-A

Tot Ion:168 Resp: 498689

Ion Ratio Lower Upper

168 100

99 55.0 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

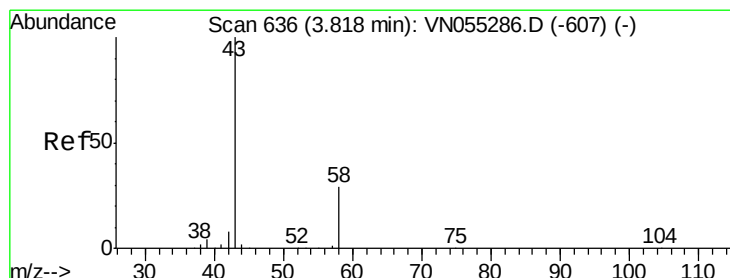
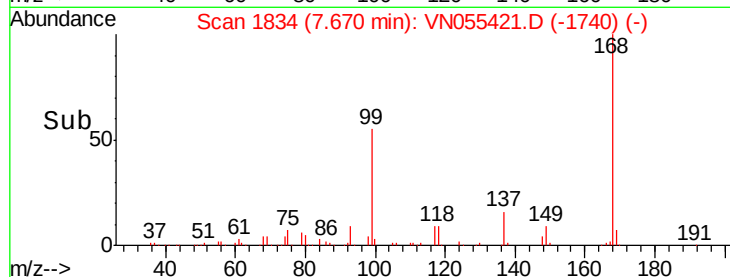
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 8.626 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055421.D

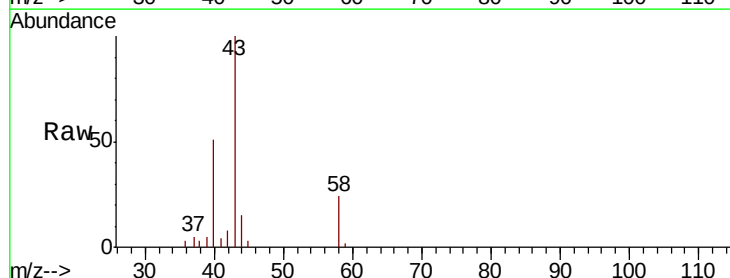
Acq: 6 May 2019 17:29

Tgt Ion: 43 Resp: 17535

Ion Ratio Lower Upper

43 100

58 23.9 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

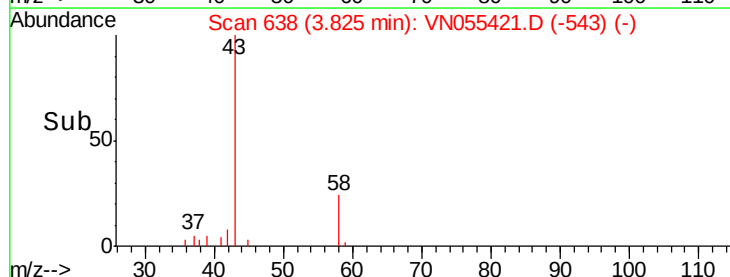
6000

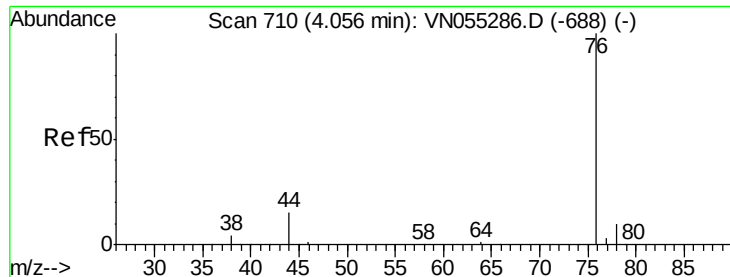
4000

2000

0

Time-->





#17

Carbon Disulfide

Concen: 0.271 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

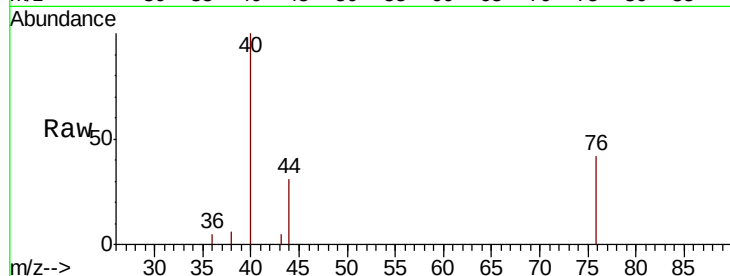
SU-04-050219-A

Tot Ion: 76 Resp: 3482

Ion Ratio Lower Upper

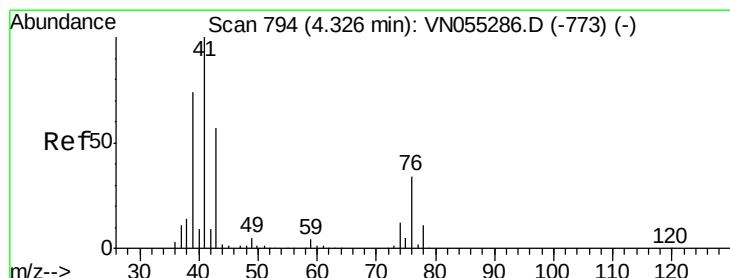
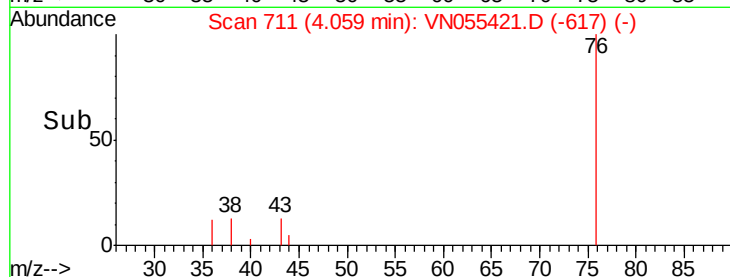
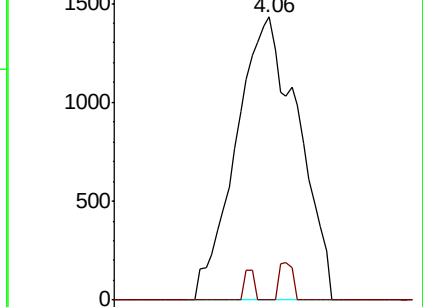
76 100

78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.35 min Scan# 800

Delta R.T. 0.02 min

Lab File: VN055421.D

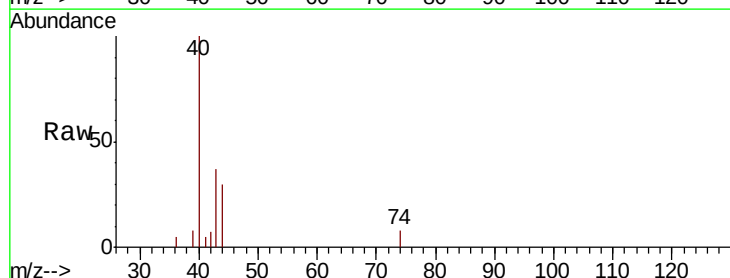
Acq: 6 May 2019 17:29

Tgt Ion: 43 Resp: 3810

Ion Ratio Lower Upper

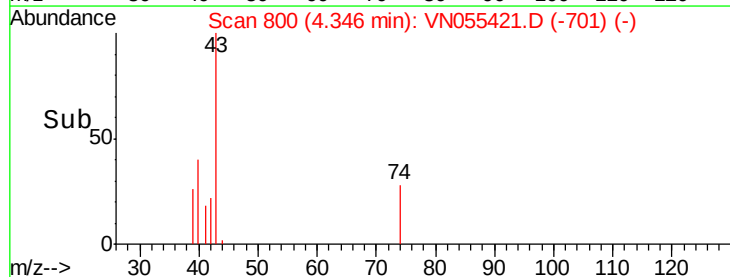
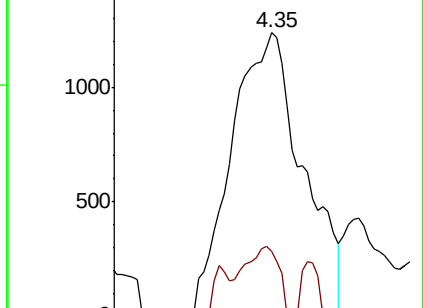
43 100

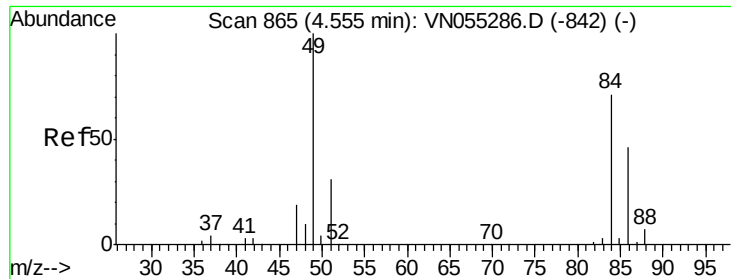
74 11.2 15.8 23.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

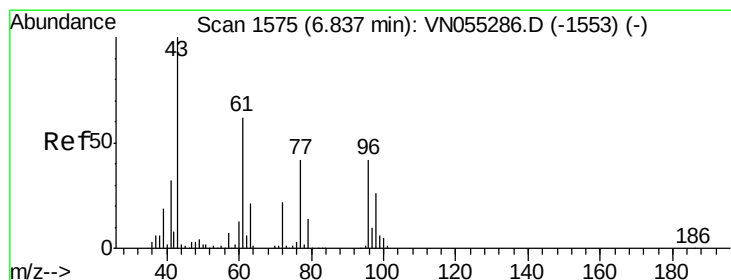
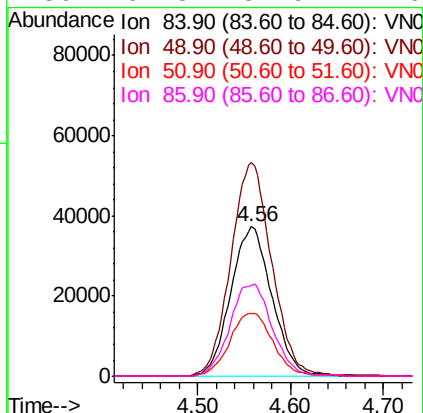
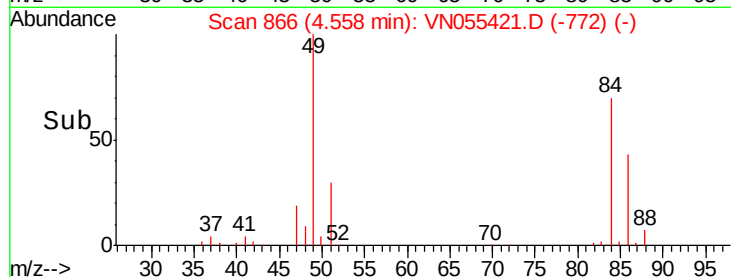
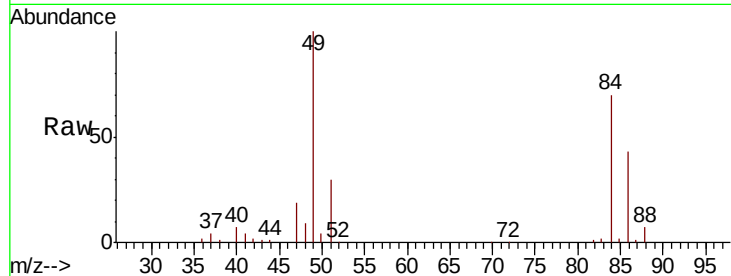




#20
Methvlene Chloride
Concen: 18.509 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055421.D
Acq: 6 May 2019 17:29

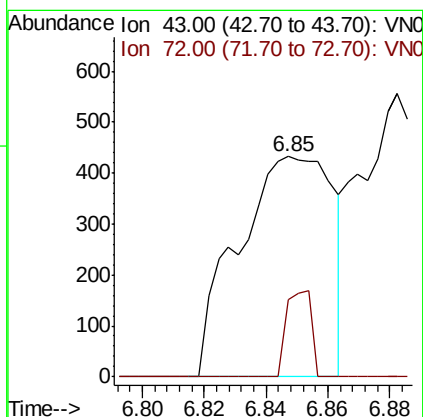
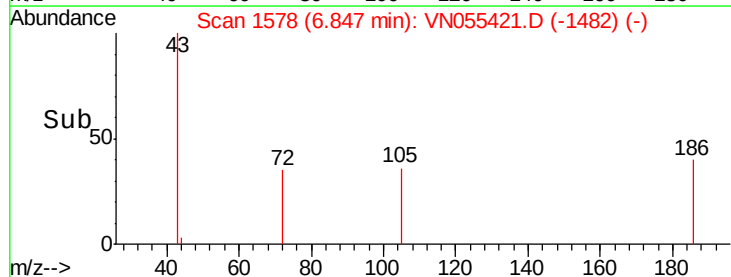
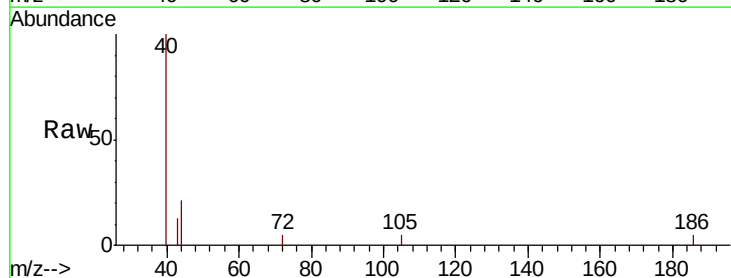
Instrument :
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SU-04-050219-A

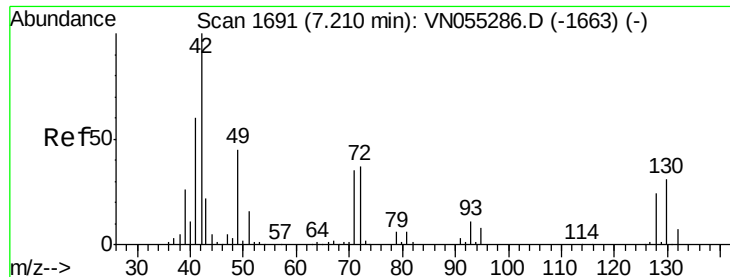
Tot Ion: 84 Resp: 114842
Ion Ratio Lower Upper
84 100
49 143.1 112.4 168.6
51 42.3 34.6 51.8
86 61.3 51.9 77.9



#25
2-Butanone
Concen: 0.353 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN055421.D
Acq: 6 May 2019 17:29

Tgt Ion: 43 Resp: 918
Ion Ratio Lower Upper
43 100
72 35.2 18.0 27.0#

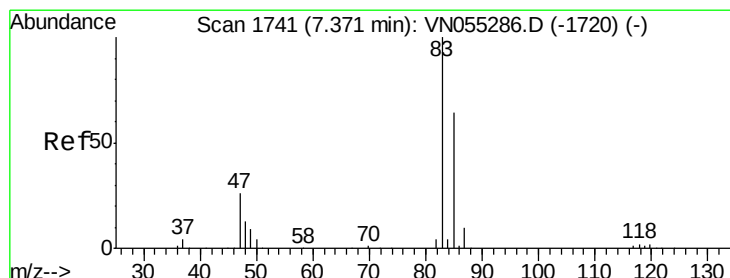
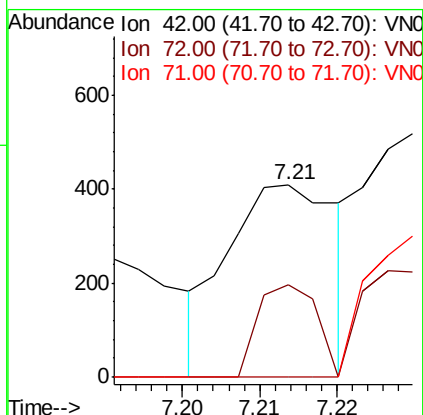
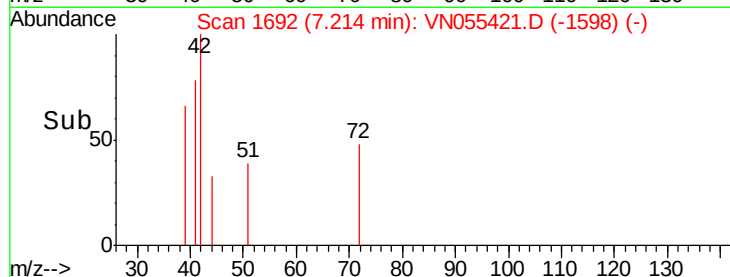
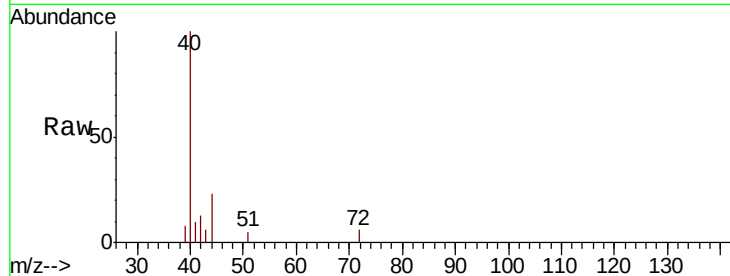




#29
Tetrahydrofuran
Concen: 0.240 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055421.D
Acq: 6 May 2019 17:29

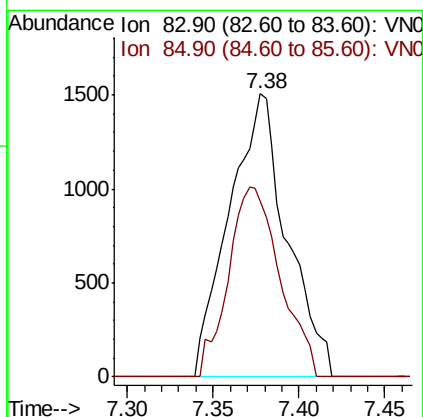
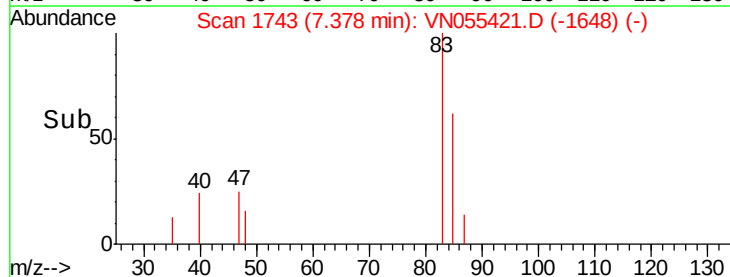
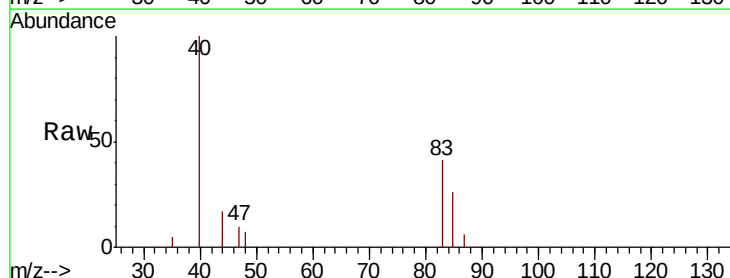
Instrument :
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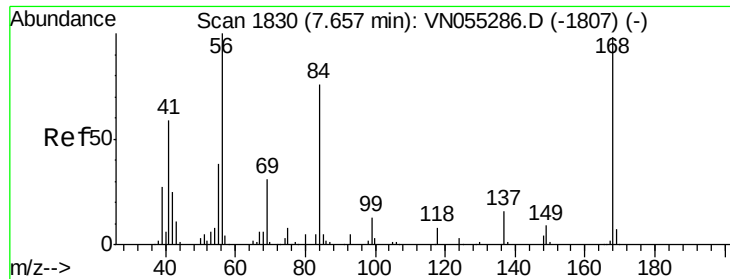
Tot Ion: 42 Resp: 400
Ion Ratio Lower Upper
42 100
72 26.0 29.0 43.6#
71 0.0 27.1 40.7#



#30
Chloroform
Concen: 0.344 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN055421.D
Acq: 6 May 2019 17:29

Tgt Ion: 83 Resp: 3520
Ion Ratio Lower Upper
83 100
85 62.0 51.4 77.2





#31

Cyclohexane

Concen: 1.056 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

SU-04-050219-A

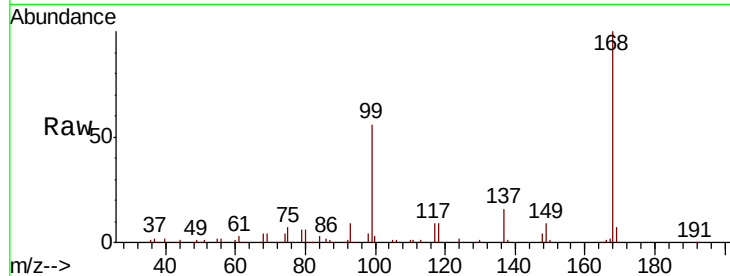
Tot Ion: 56 Resp: 10834

Ion Ratio Lower Upper

56 100

69 180.7 25.2 37.8#

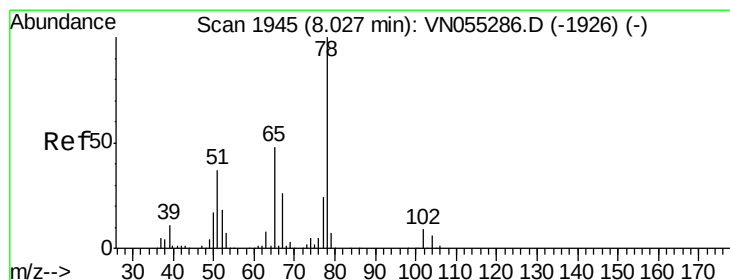
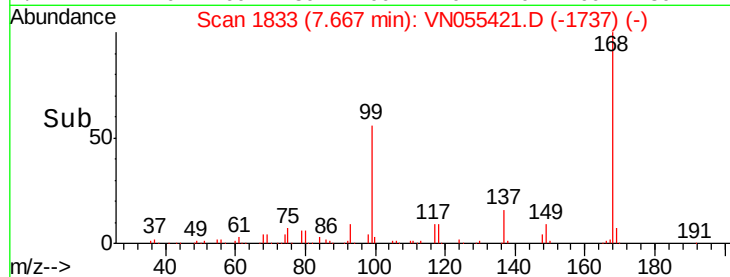
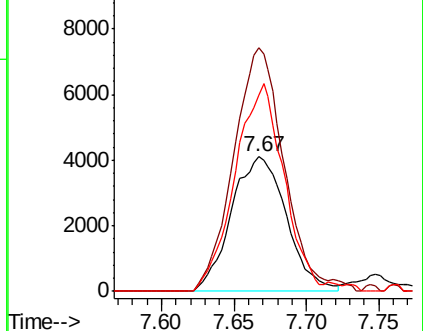
84 146.0 61.1 91.7#



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: 47.815 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055421.D

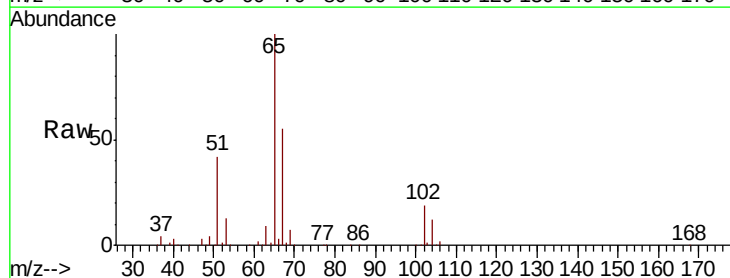
Acq: 6 May 2019 17:29

Tgt Ion: 65 Resp: 311945

Ion Ratio Lower Upper

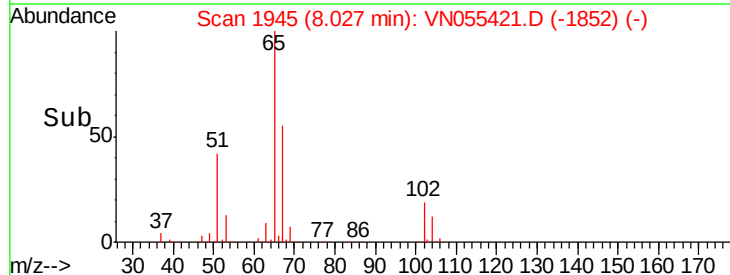
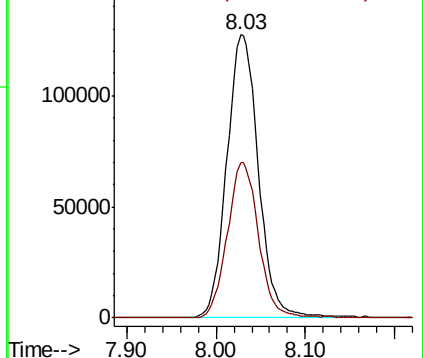
65 100

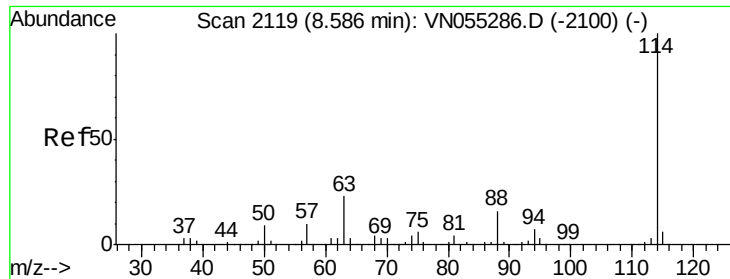
67 54.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

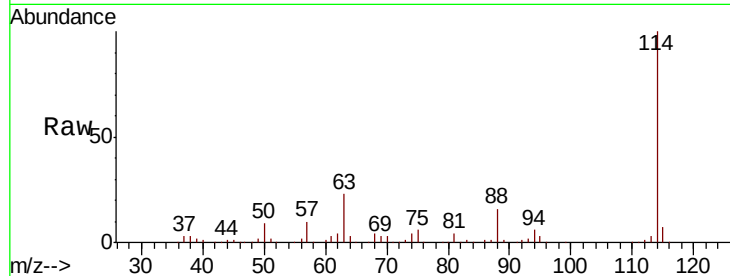




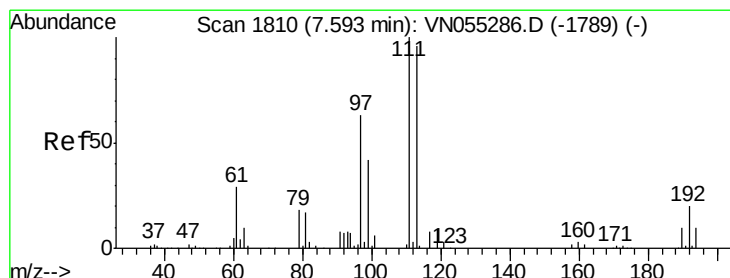
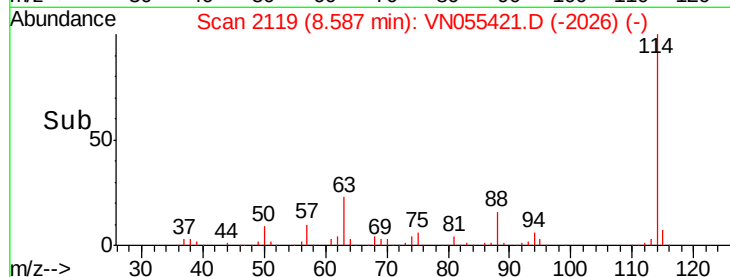
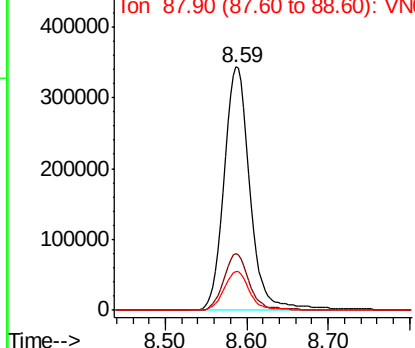
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN055421.D
Acq: 6 May 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
SU-04-050219-A

Tot Ion:114 Resp: 772683
Ion Ratio Lower Upper
114 100
63 23.5 0.0 45.2
88 16.0 0.0 31.6

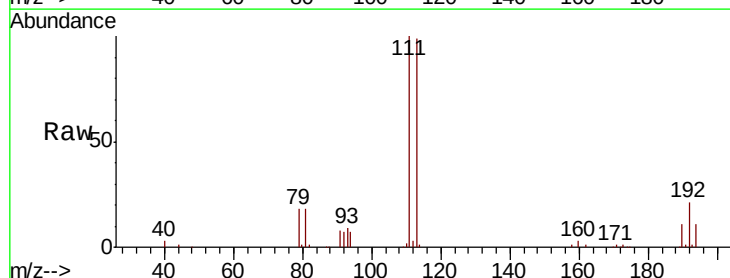


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

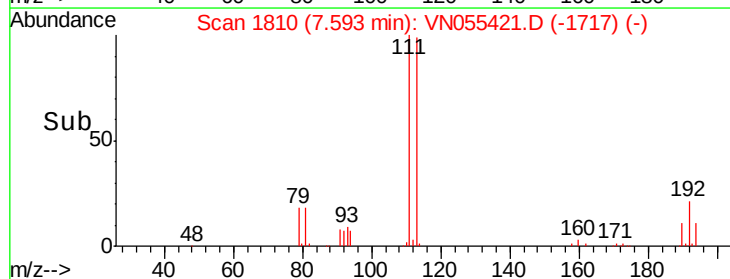
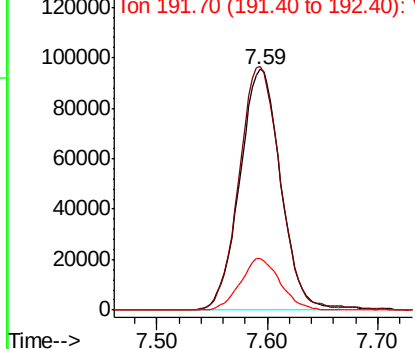


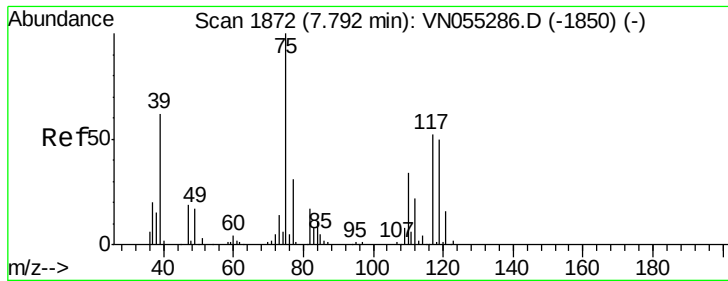
#35
Dibromofluoromethane
Concen: 48.293 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055421.D
Acq: 6 May 2019 17:29

Tgt Ion:113 Resp: 244926
Ion Ratio Lower Upper
113 100
111 102.9 82.3 123.5
192 20.9 17.0 25.6



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

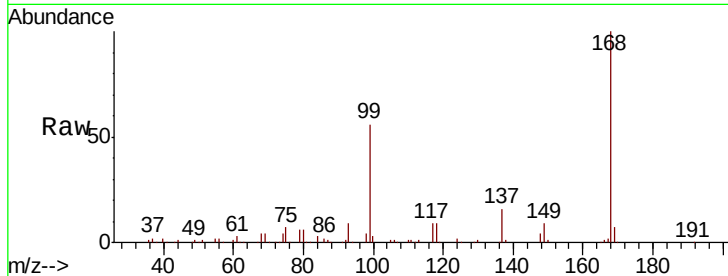




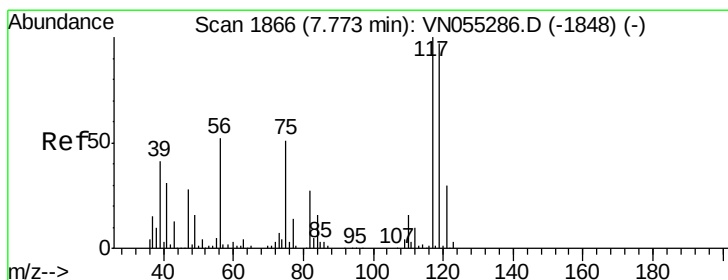
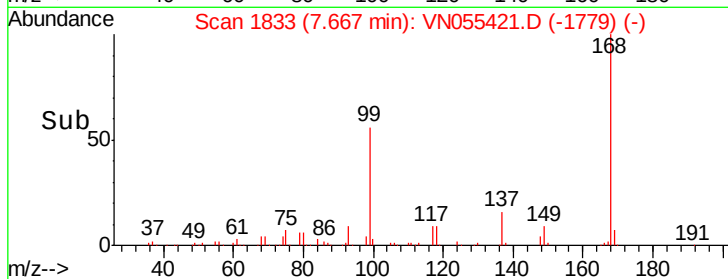
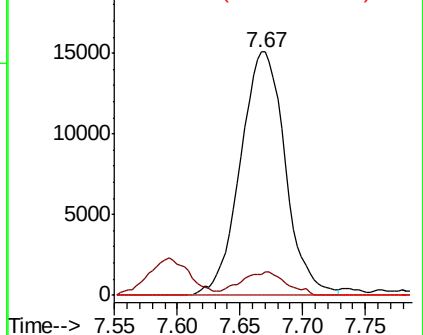
#36
 1,1-Dichloropropene
 Concen: 5.071 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN055421.D
 Acq: 6 May 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-04-050219-A

Tot Ion	75	Resp	37530
Ion Ratio	100	Lower	Upper
75	100		
110	9.7	16.8	50.4#
77	0.0	25.0	37.6#

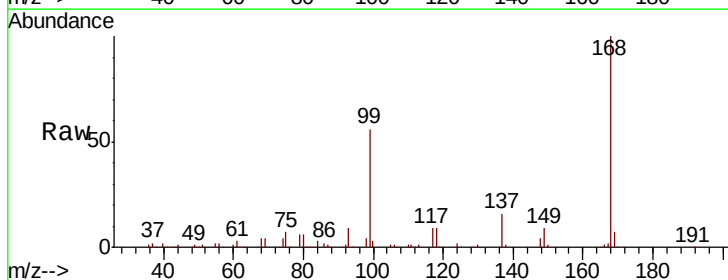


Abundance Ion 74.90 (74.60 to 75.60): VN055286.D (-1850) (-)

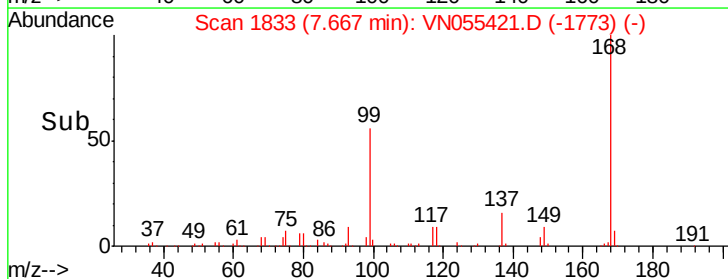
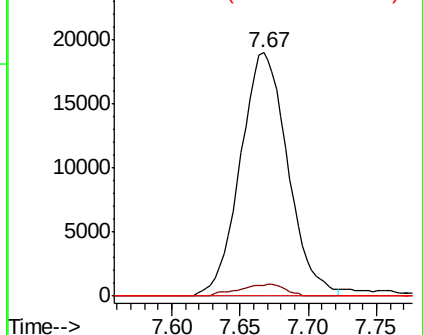


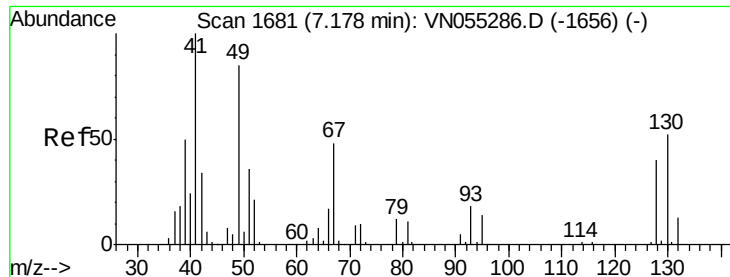
#38
 Carbon Tetrachloride
 Concen: 6.447 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055421.D
 Acq: 6 May 2019 17:29

Tgt Ion	117	Resp	46031
Ion Ratio	100	Lower	Upper
117	100		
119	4.6	77.0	115.6#
121	0.0	23.8	35.8#



Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-1848) (-)





#41

Methacrylonitrile

Concen: 0.815 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.02 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

Instrument :

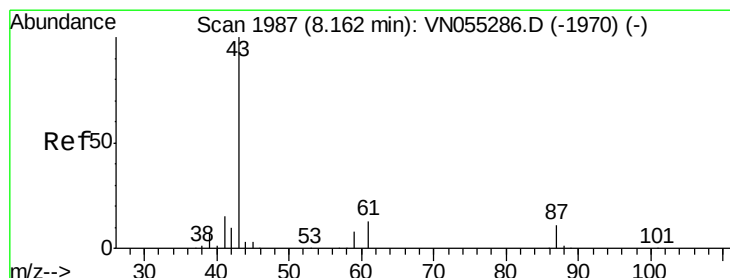
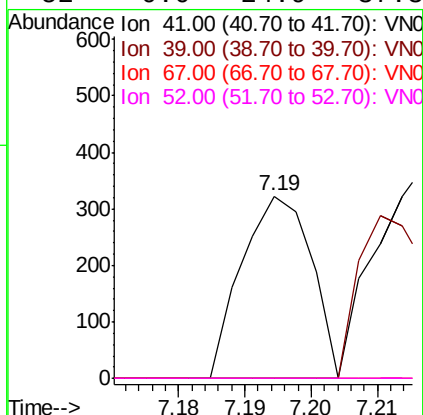
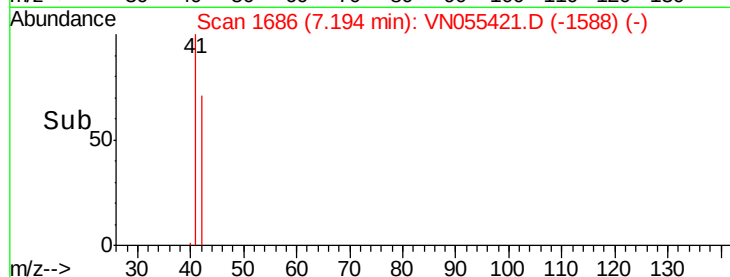
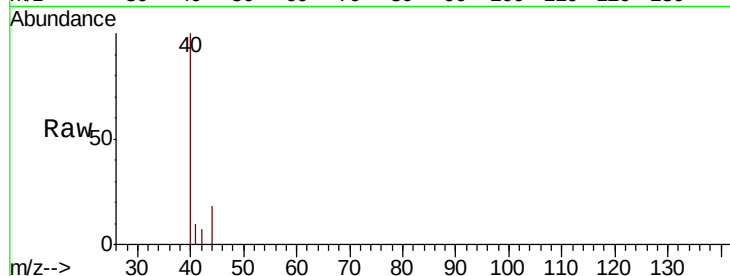
MSVOA_N

ClientSampled :

SU-04-050219-A

Tot Ion: 41 Resp: 235

Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.5	72.7#
67	0.0	54.9	82.3#
52	0.0	24.9	37.3#



#43

Isopropyl Acetate

Concen: 1.411 ug/l

RT: 8.17 min Scan# 1989

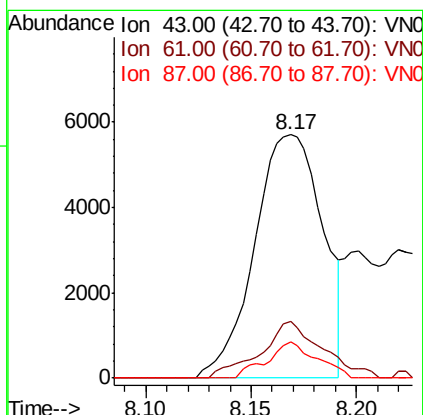
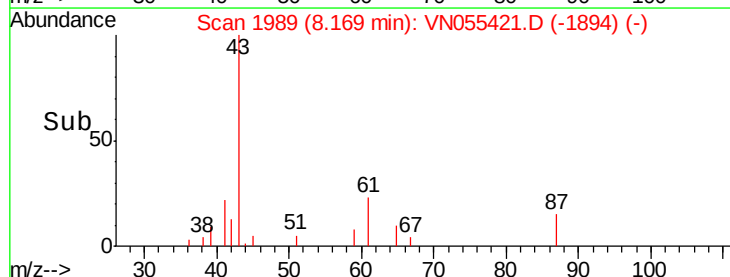
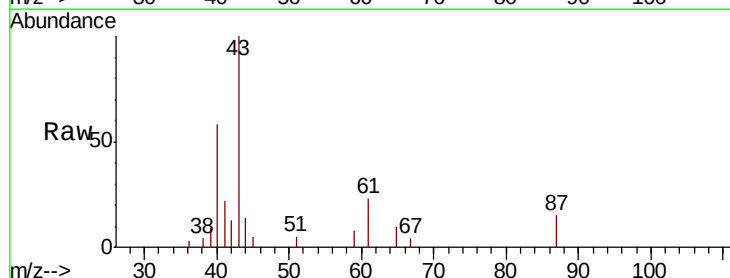
Delta R.T. 0.01 min

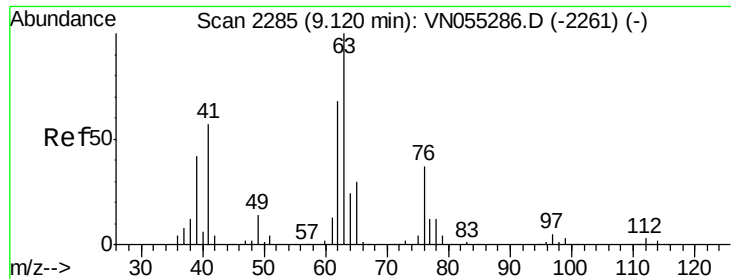
Lab File: VN055421.D

Acq: 6 May 2019 17:29

Tgt Ion: 43 Resp: 12861

Ion	Ratio	Lower	Upper
43	100		
61	21.0	20.8	31.2
87	10.8	8.5	12.7

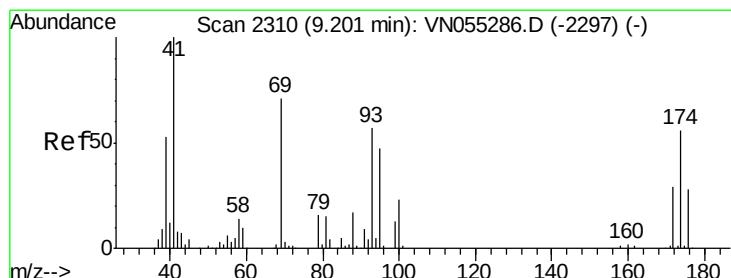
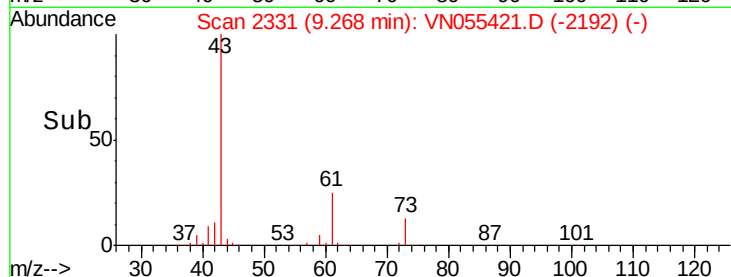
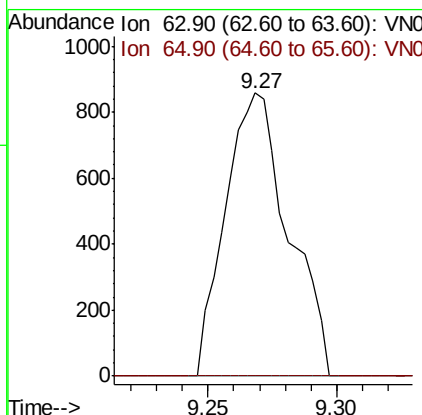
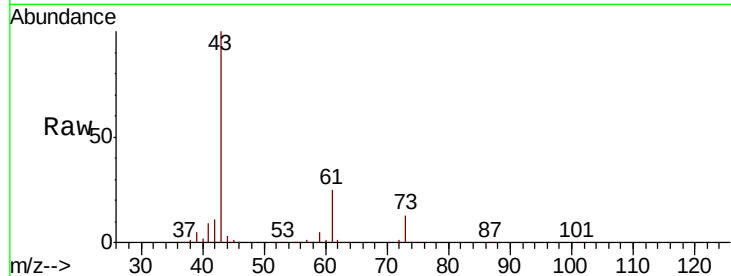




#45
 1,2-Dichloropropane
 Concen: 0.232 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN055421.D
 Acq: 6 May 2019 17:29

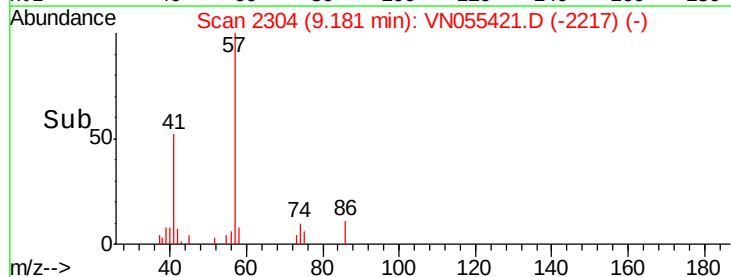
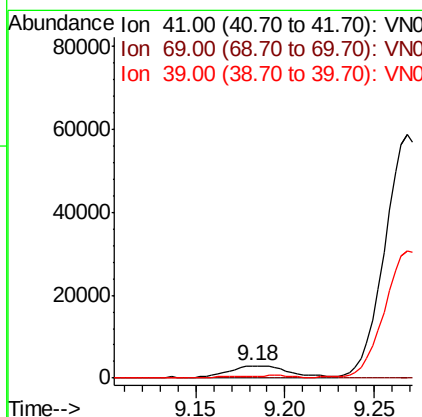
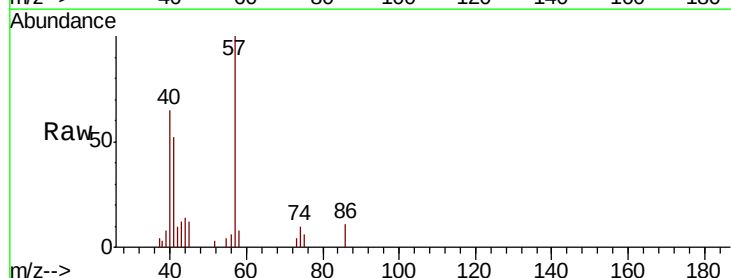
Instrument :
 MSVOA_N
 ClientSampleId :
 SU-04-050219-A

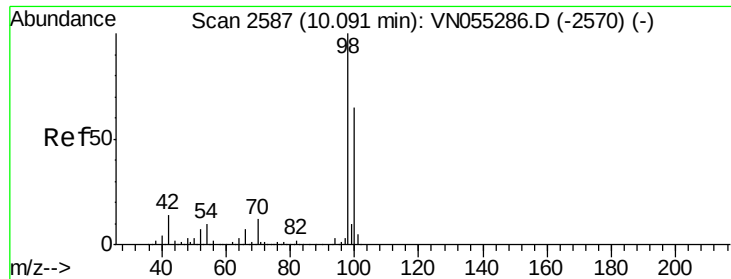
Tot Ion: 63 Resp: 1463
 Ion Ratio Lower Upper
 63 100
 65 0.0 23.9 35.9#



#48
 Methyl methacrylate
 Concen: 1.598 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN055421.D
 Acq: 6 May 2019 17:29

Tgt Ion: 41 Resp: 7160
 Ion Ratio Lower Upper
 41 100
 69 0.0 58.6 87.8#
 39 0.0 43.8 65.6#

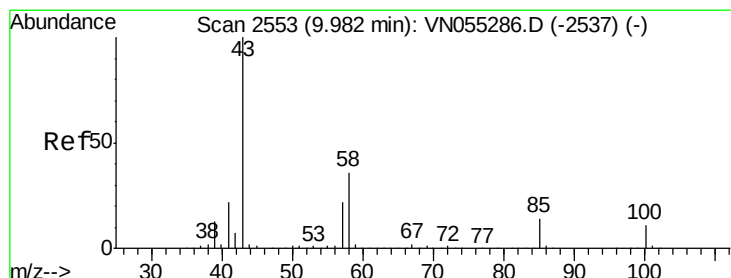
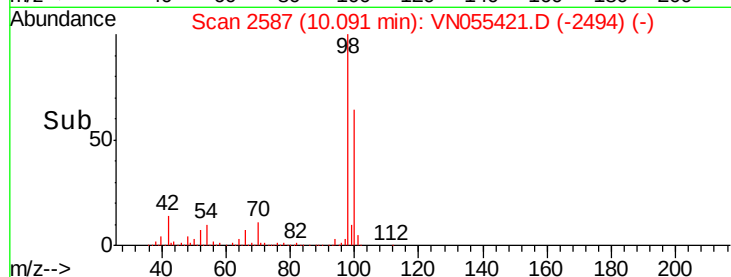
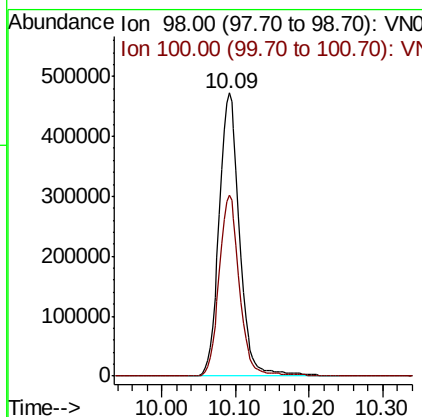
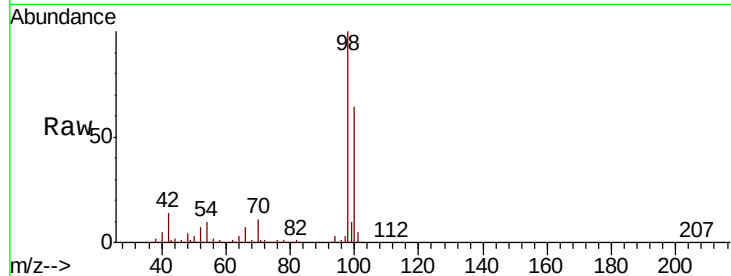




#50
Toluene-d8
Concen: 49.634 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055421.D
Acq: 6 May 2019 17:29

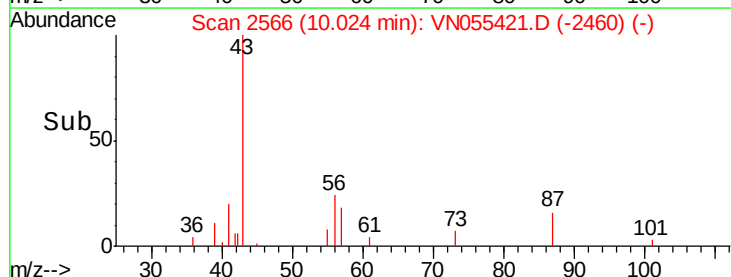
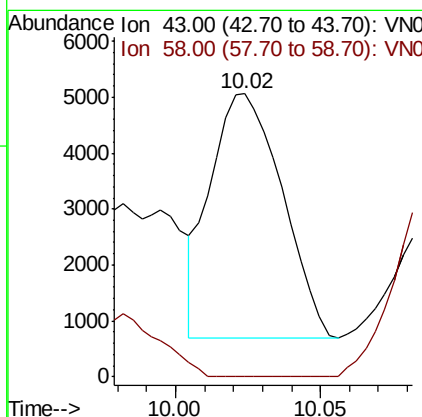
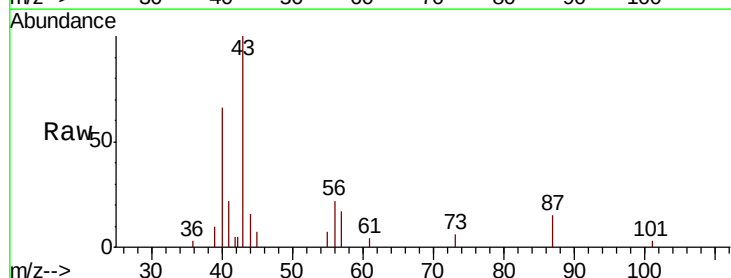
Instrument :
MSVOA_N
ClientSampleId :
SU-04-050219-A

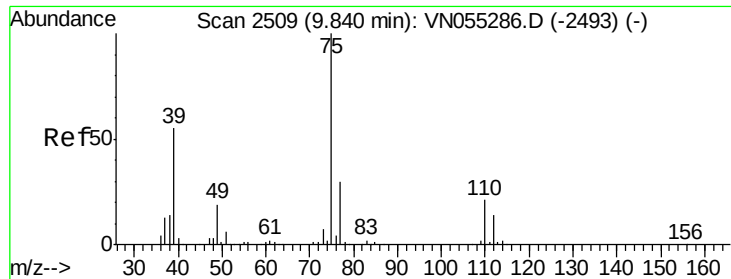
Tot Ion: 98 Resp: 908951
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.467 ug/l
RT: 10.02 min Scan# 2566
Delta R.T. 0.04 min
Lab File: VN055421.D
Acq: 6 May 2019 17:29

Tgt Ion: 43 Resp: 7529
Ion Ratio Lower Upper
43 100
58 0.0 28.5 42.7#





#54

cis-1,3-Dichloropropene

Concen: 5.883 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

SU-04-050219-A

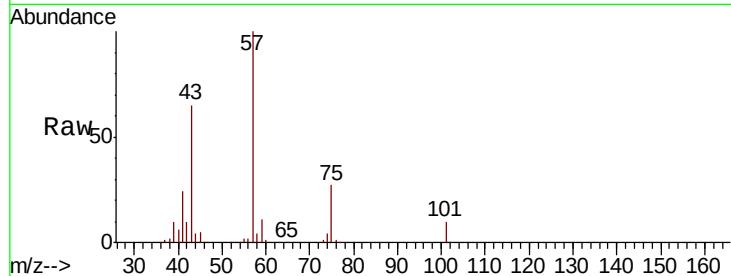
Tot Ion: 75 Resp: 46986

Ion Ratio Lower Upper

75 100

77 1.0 24.2 36.2#

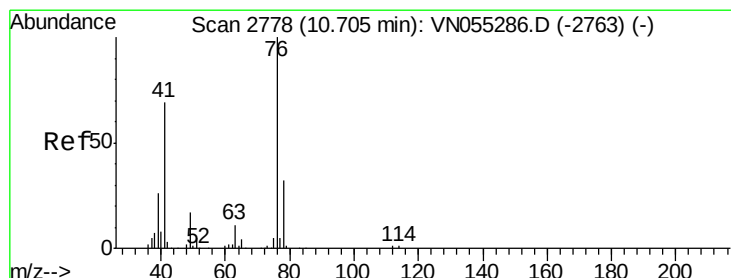
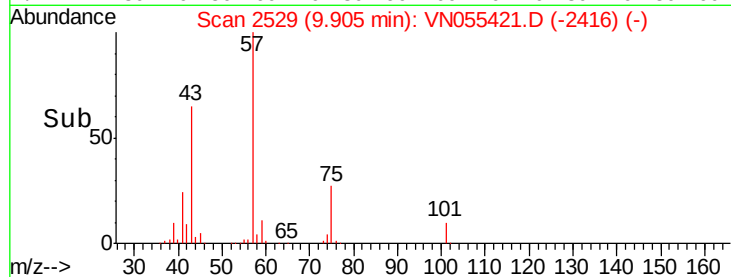
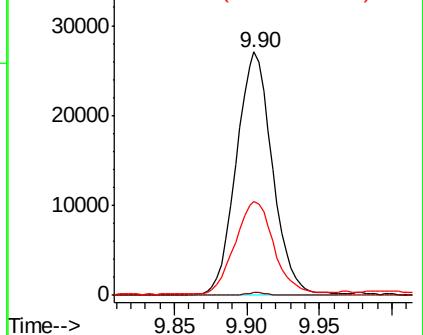
39 37.9 44.2 66.2#



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



#57

1,3-Dichloropropane

Concen: 1.062 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN055421.D

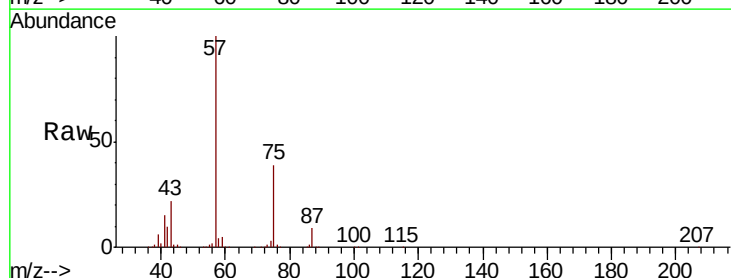
Acq: 6 May 2019 17:29

Tgt Ion: 76 Resp: 8658

Ion Ratio Lower Upper

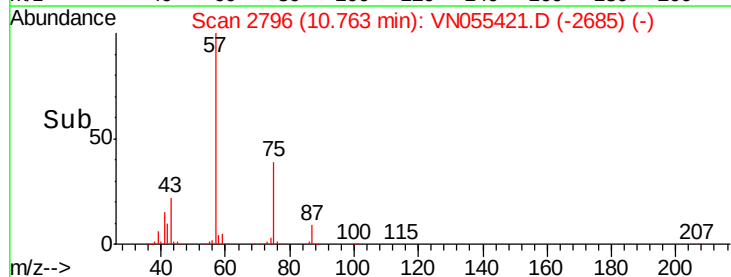
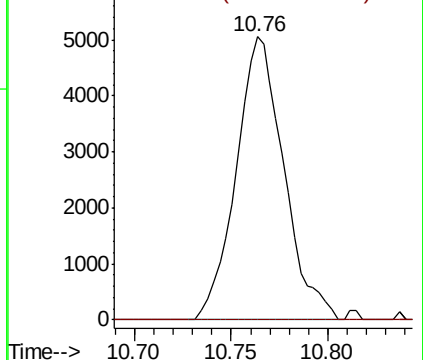
76 100

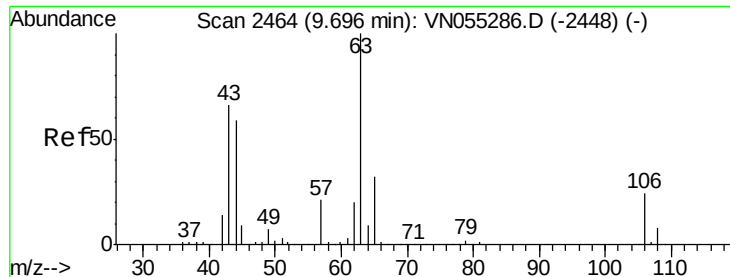
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

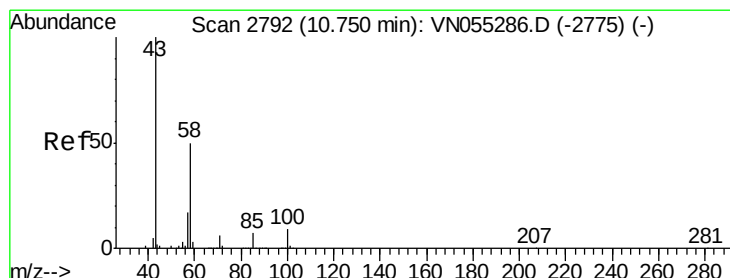
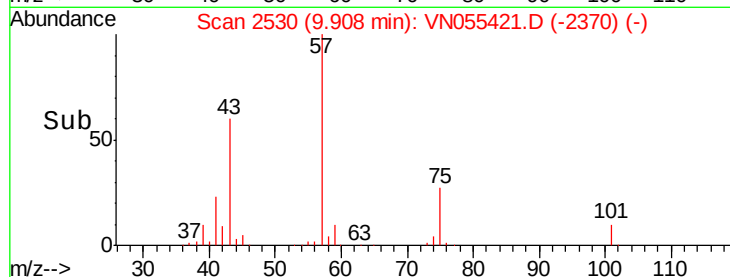
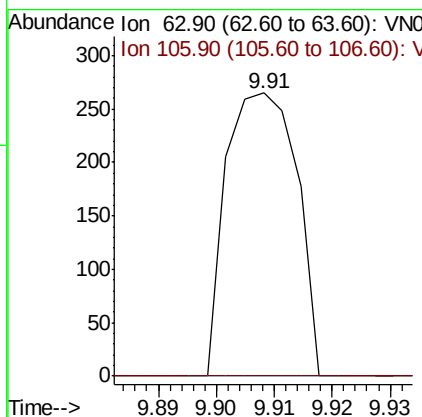
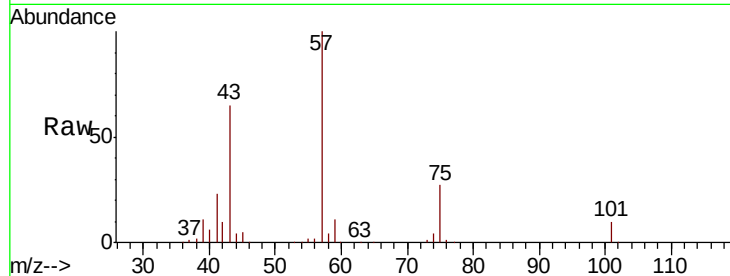




#58
 2-Chloroethyl Vinyl ether
 Concen: 12.524 ug/l
 RT: 9.91 min Scan# 2530
 Delta R.T. 0.21 min
 Lab File: VN055421.D
 Acq: 6 May 2019 17:29

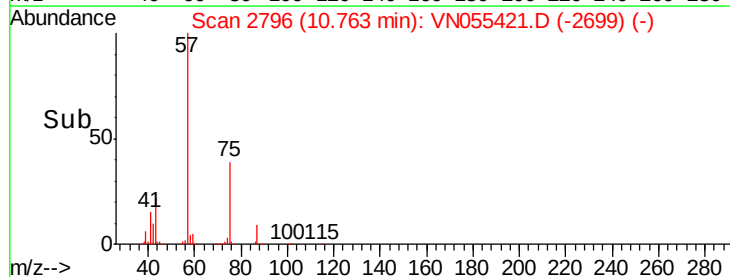
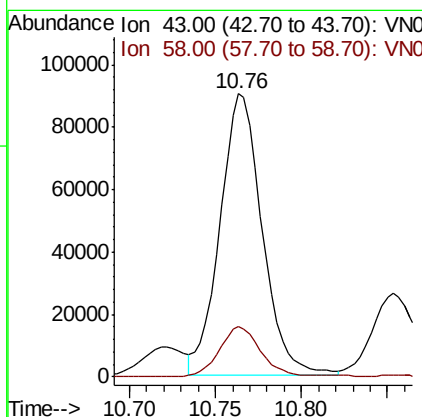
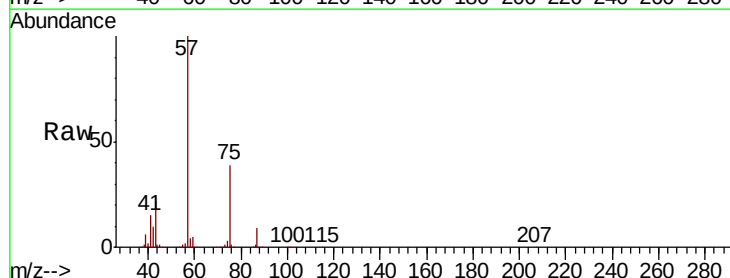
Instrument :
 MSVOA_N
 ClientSampleId :
 SU-04-050219-A

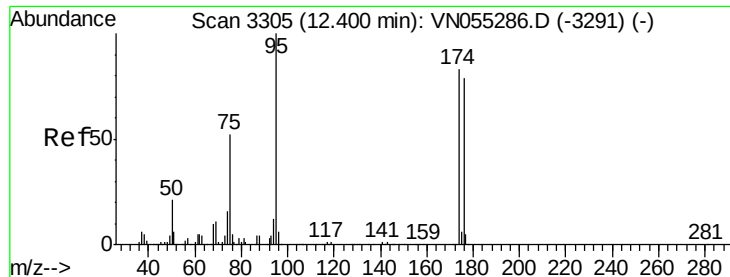
Tot Ion: 63 Resp: 223
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.0 28.4#



#59
 2-Hexanone
 Concen: 48.229 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN055421.D
 Acq: 6 May 2019 17:29

Tgt Ion: 43 Resp: 154874
 Ion Ratio Lower Upper
 43 100
 58 17.7 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 46.636 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

SU-04-050219-A

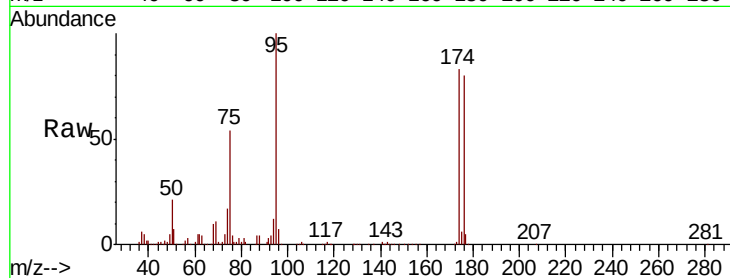
Tot Ion: 95 Resp: 266919

Ion Ratio Lower Upper

95 100

174 82.7 0.0 166.6

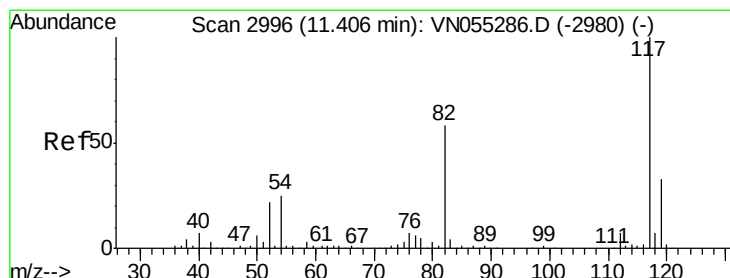
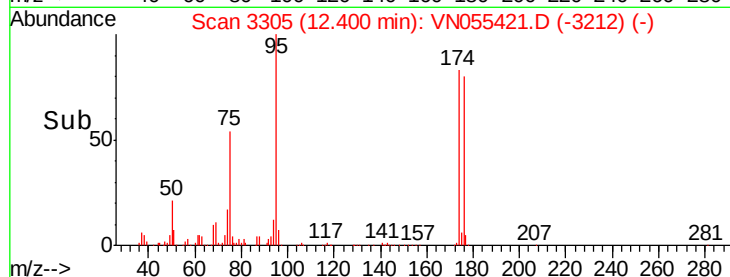
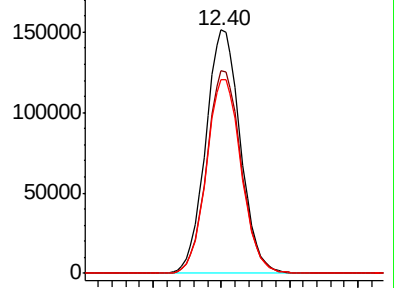
176 80.1 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN055421.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055421.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055421.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

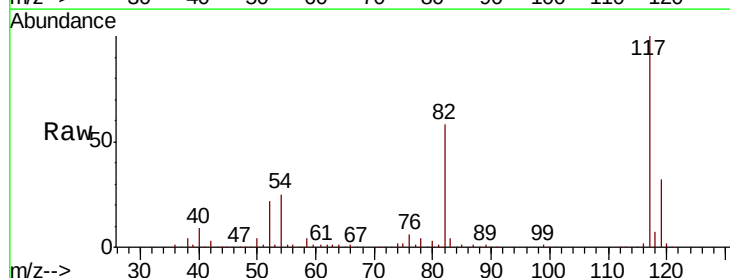
Tgt Ion: 117 Resp: 630242

Ion Ratio Lower Upper

117 100

82 57.8 46.2 69.4

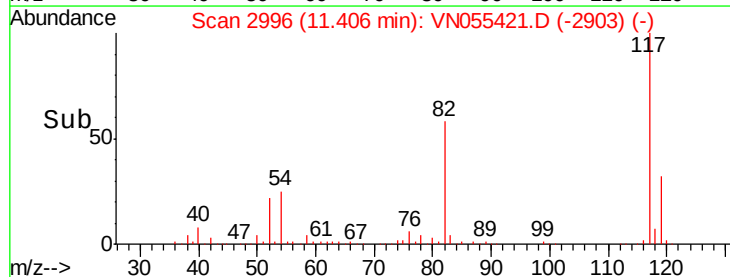
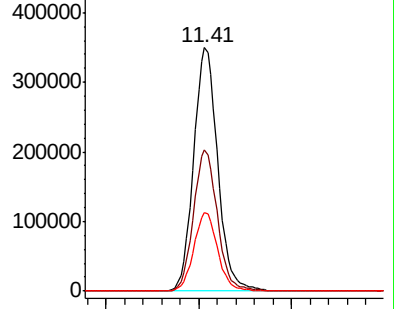
119 32.3 26.6 40.0

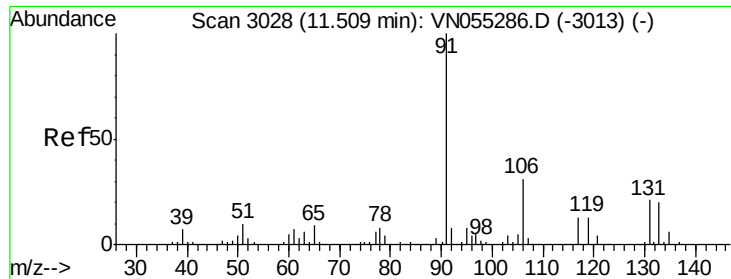


Abundance Ion 116.90 (116.60 to 117.60): VN055421.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055421.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055421.D (-2903) (-)

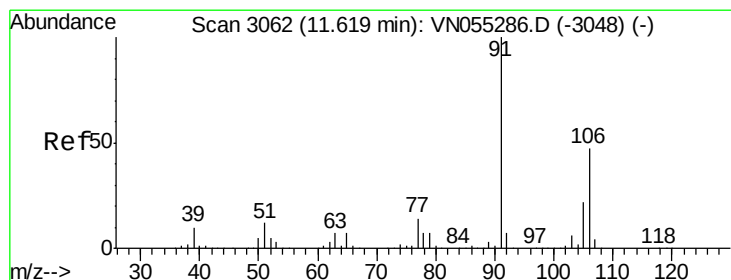
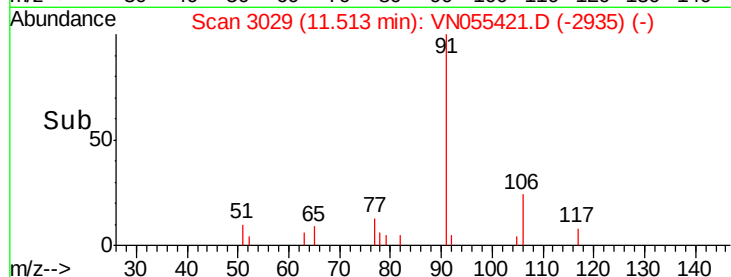
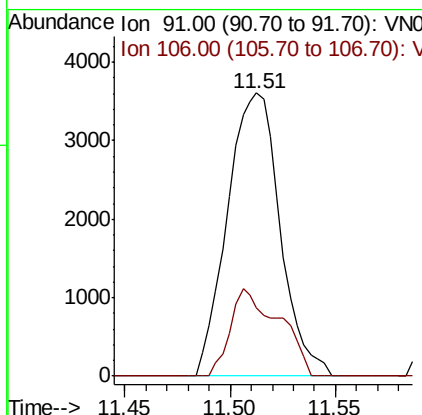
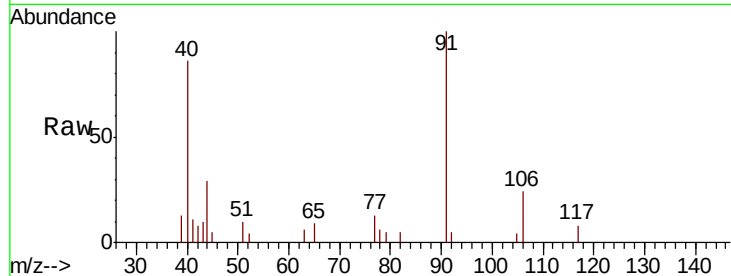




#67
Ethyl Benzene
Concen: 0.281 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055421.D
Acq: 6 May 2019 17:29

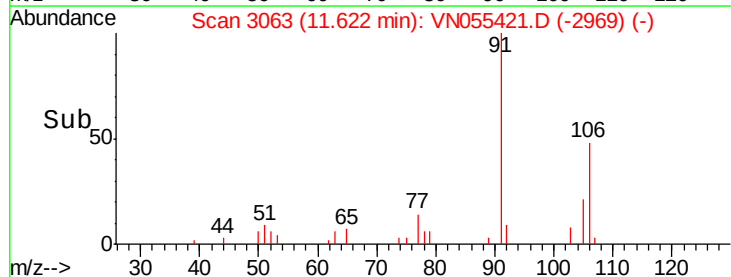
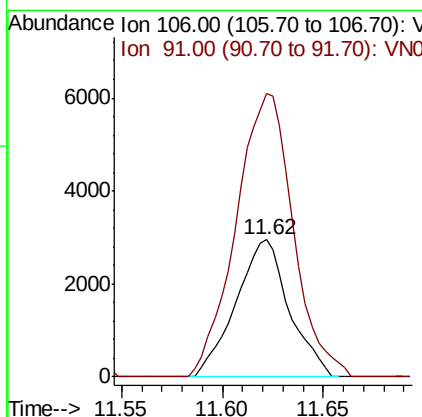
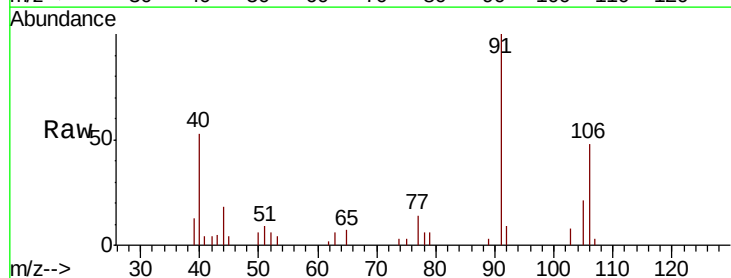
Instrument :
MSVOA_N
ClientSampled :
SU-04-050219-A

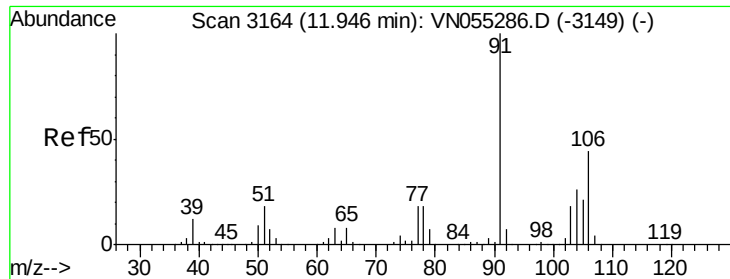
Tot Ion: 91 Resp: 6246
Ion Ratio Lower Upper
91 100
106 24.1 24.6 36.8#



#68
m/p-Xylenes
Concen: 0.684 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055421.D
Acq: 6 May 2019 17:29

Tgt Ion: 106 Resp: 5432
Ion Ratio Lower Upper
106 100
91 222.1 169.5 254.3

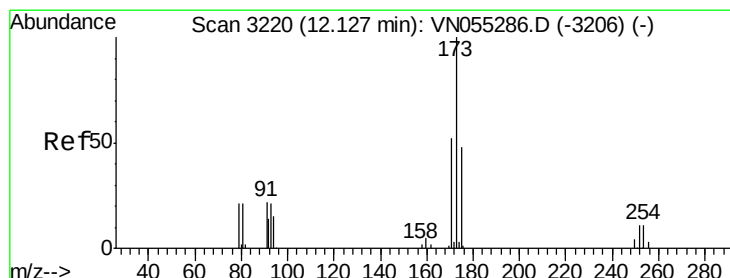
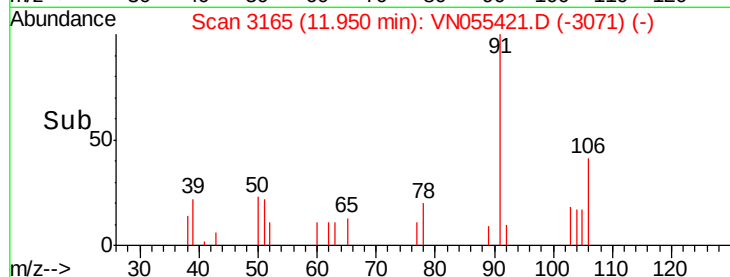
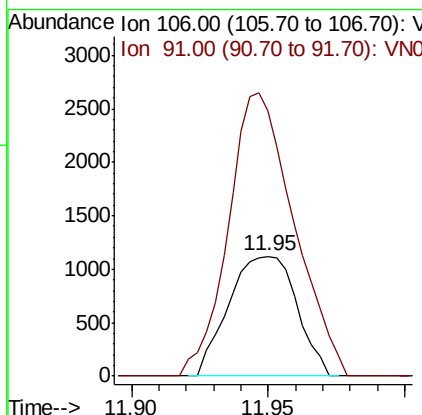
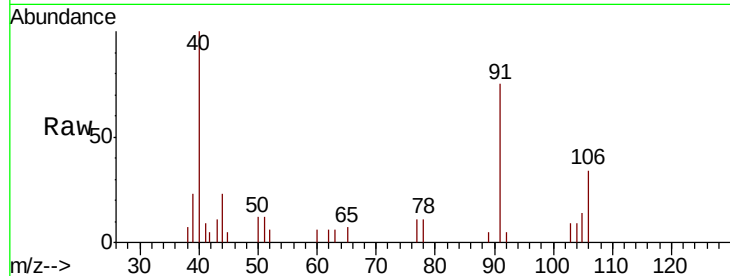




#69
o-Xylene
Concen: 0.246 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN055421.D
Acq: 6 May 2019 17:29

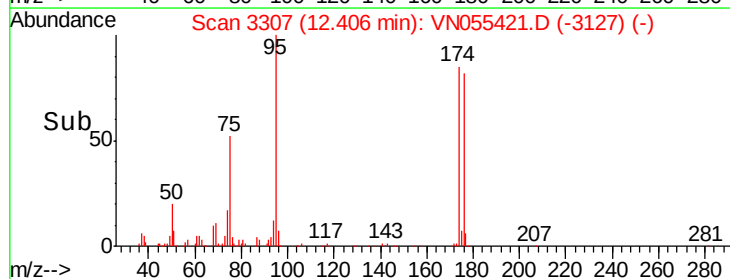
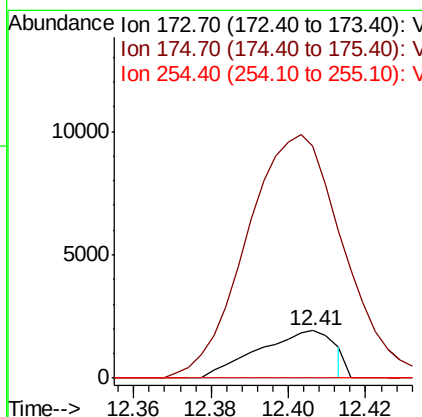
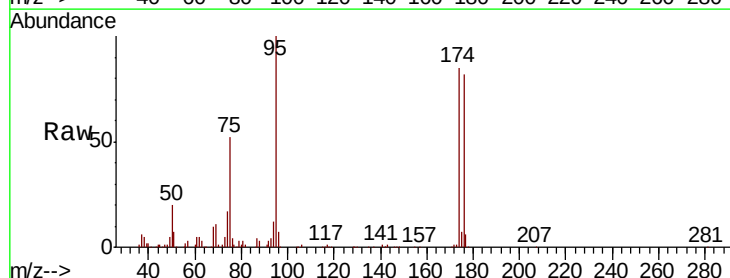
Instrument :
MSVOA_N
ClientSampleId :
SU-04-050219-A

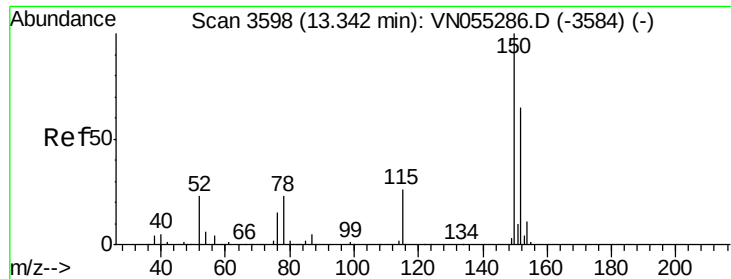
Tot Ion:106 Resp: 1939
Ion Ratio Lower Upper
106 100
91 227.6 111.5 334.5



#71
Bromoform
Concen: 0.990 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN055421.D
Acq: 6 May 2019 17:29

Tgt Ion:173 Resp: 2650
Ion Ratio Lower Upper
173 100
175 559.2 23.6 71.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

SU-04-050219-A

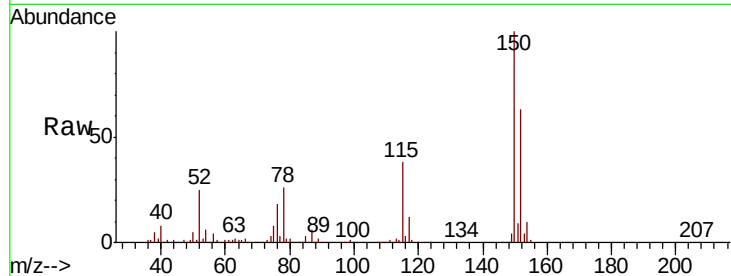
Tot Ion:152 Resp: 187329

Ion Ratio Lower Upper

152 100

115 59.0 29.0 87.0

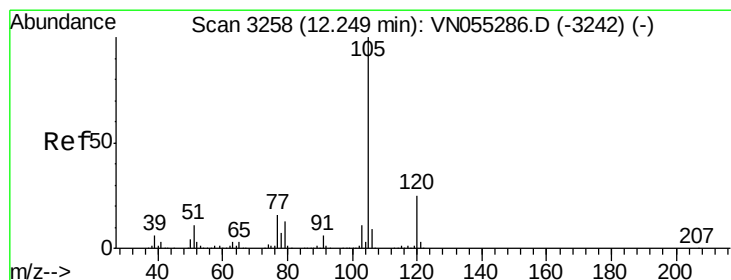
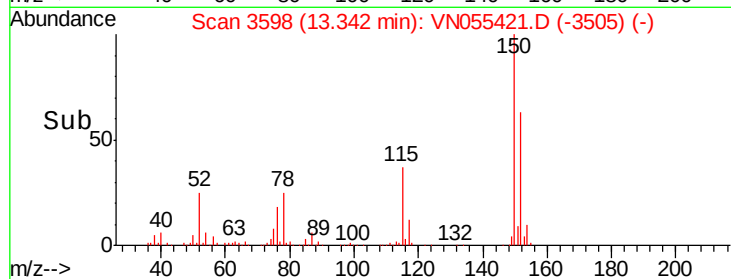
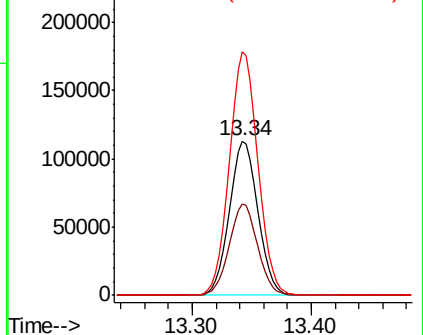
150 158.0 0.0 345.6



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# 3259

Delta R.T. 0.00 min

Lab File: VN055421.D

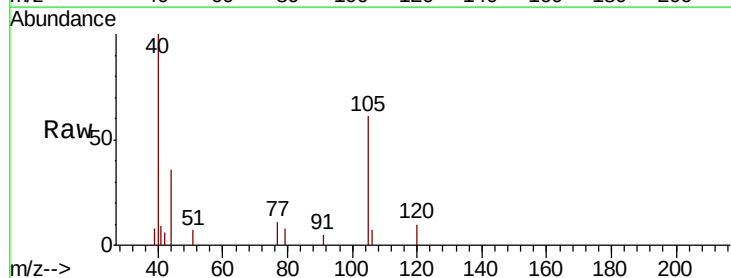
Acq: 6 May 2019 17:29

Tgt Ion:105 Resp: 3005

Ion Ratio Lower Upper

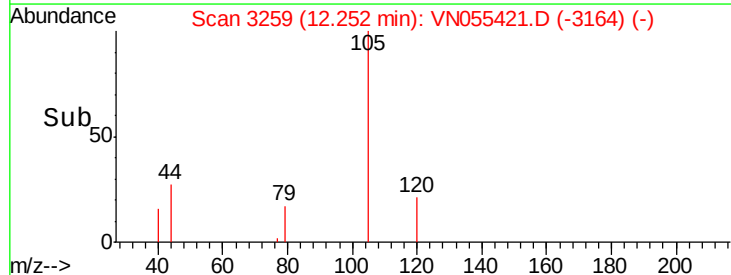
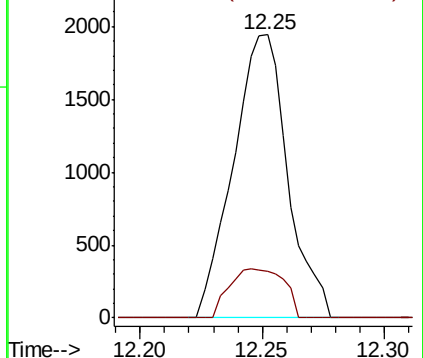
105 100

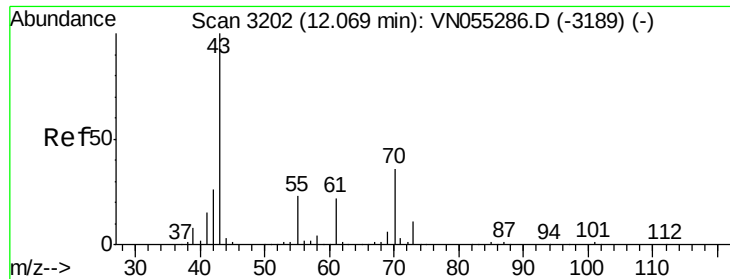
120 17.4 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.339 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

Instrument :

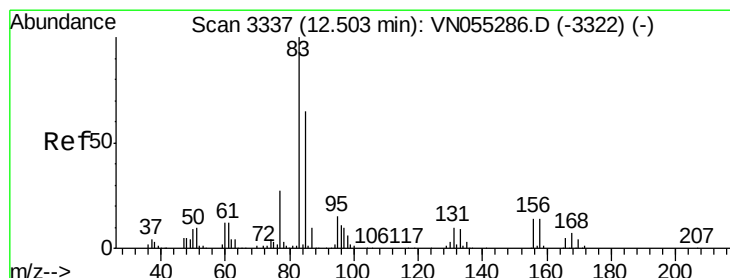
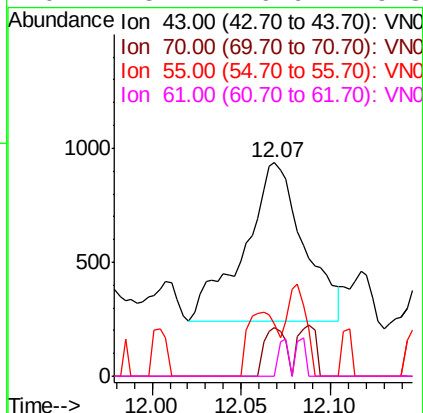
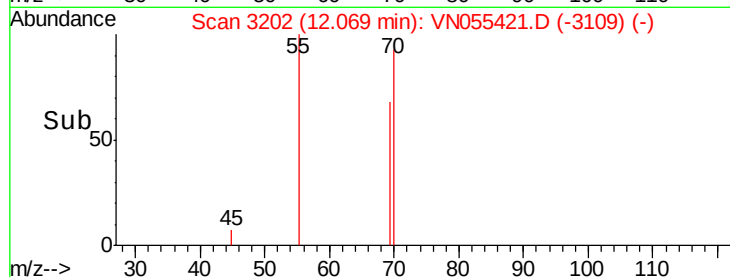
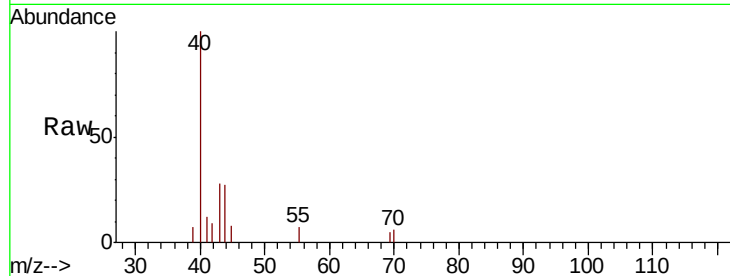
MSVOA_N

ClientSampleId :

SU-04-050219-A

Tot Ion: 43 Resp: 1629

Ion	Ratio	Lower	Upper
43	100		
70	10.8	27.9	41.9#
55	20.1	18.2	27.2
61	3.7	16.9	25.3#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3338

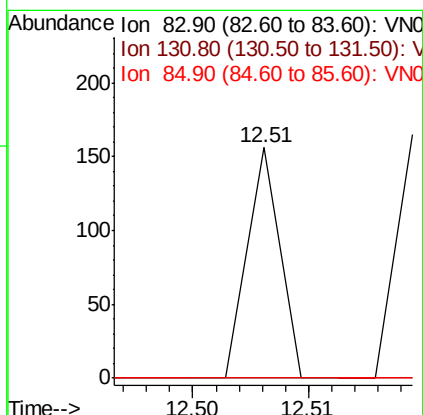
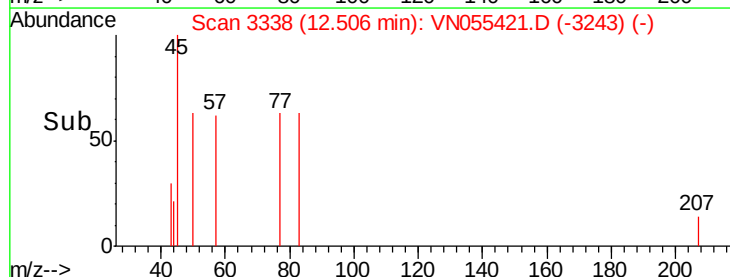
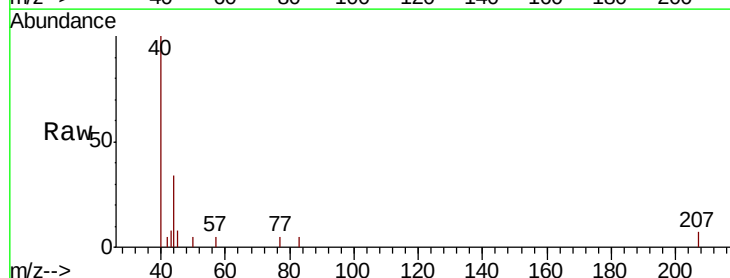
Delta R.T. 0.00 min

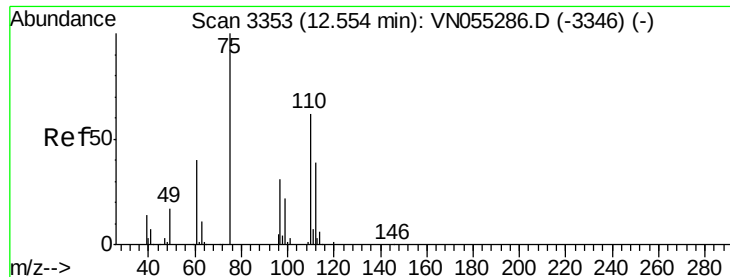
Lab File: VN055421.D

Acq: 6 May 2019 17:29

Tgt Ion: 83 Resp: 30

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.1	15.2#
85	0.0	32.3	96.8#





#76

1,2,3-Trichloropropane

Concen: 39.549 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

Instrument :

MSVOA_N

ClientSampled :

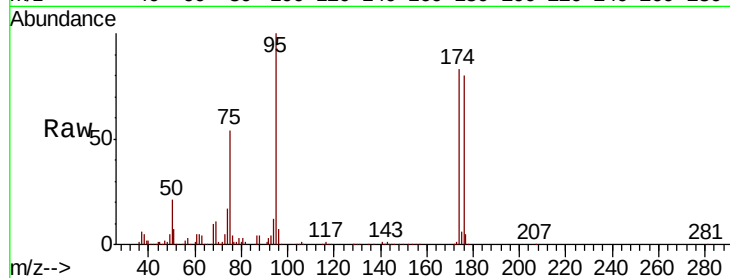
SU-04-050219-A

Tot Ion: 75 Resp: 139541

Ion Ratio Lower Upper

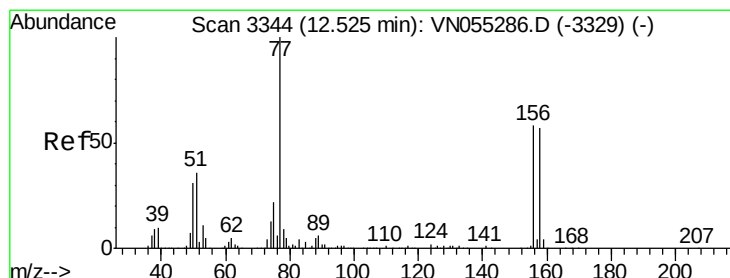
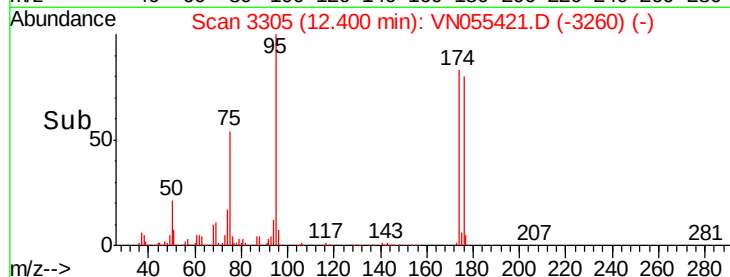
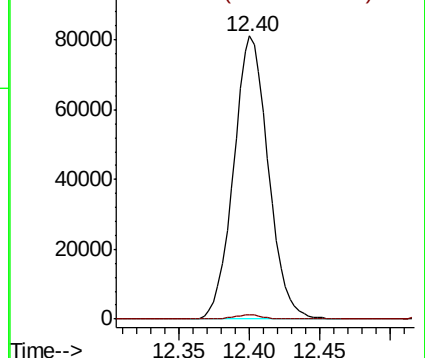
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

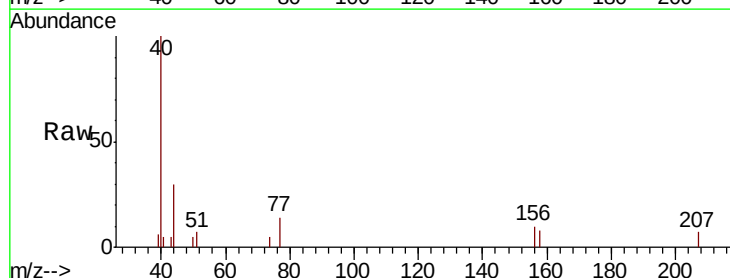
Tgt Ion: 156 Resp: 532

Ion Ratio Lower Upper

156 100

77 173.1 99.6 298.8

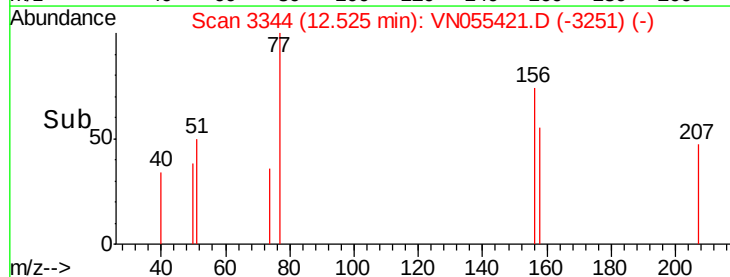
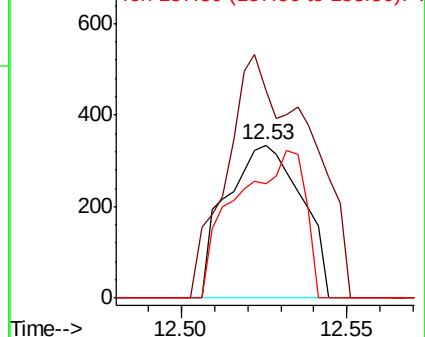
158 87.4 49.3 147.8

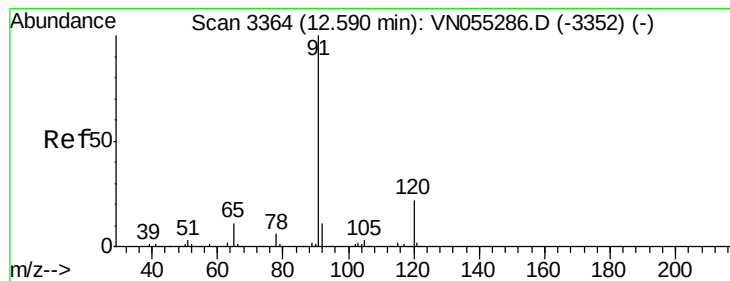


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 0.383 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

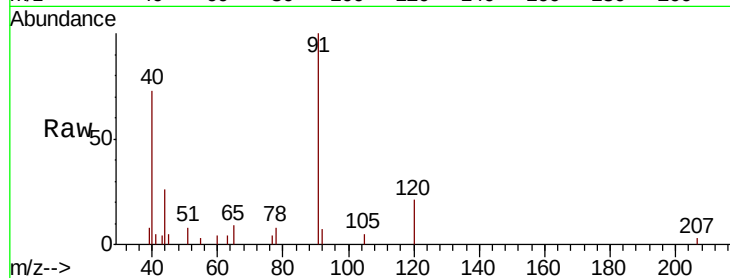
SU-04-050219-A

Tot Ion: 91 Resp: 7376

Ion Ratio Lower Upper

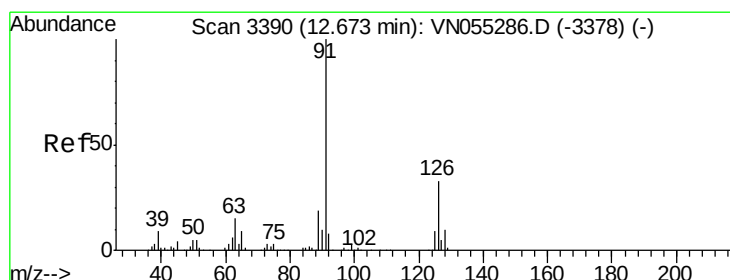
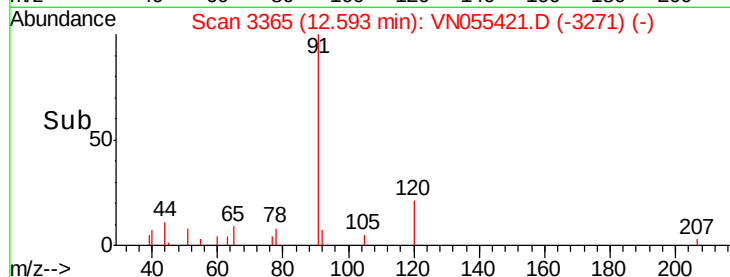
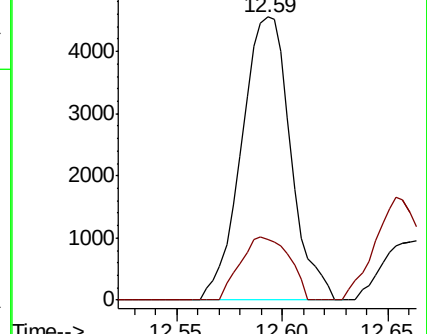
91 100

120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.77 min Scan# 3421

Delta R.T. 0.10 min

Lab File: VN055421.D

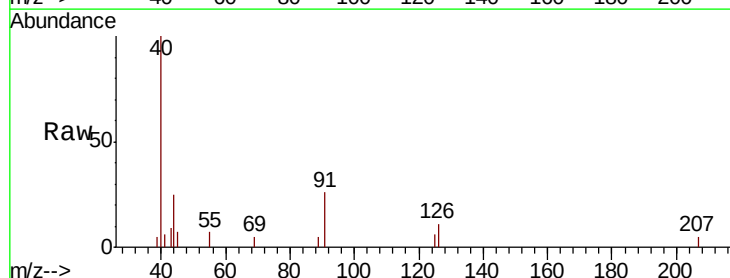
Acq: 6 May 2019 17:29

Tgt Ion: 91 Resp: 1665

Ion Ratio Lower Upper

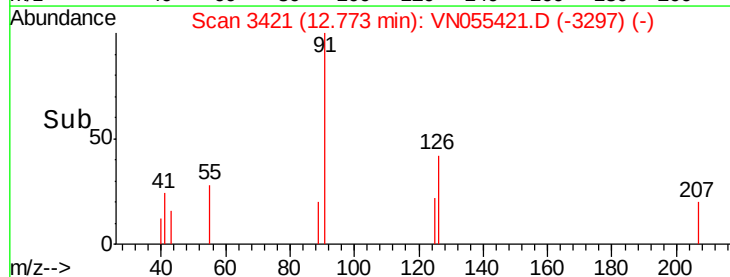
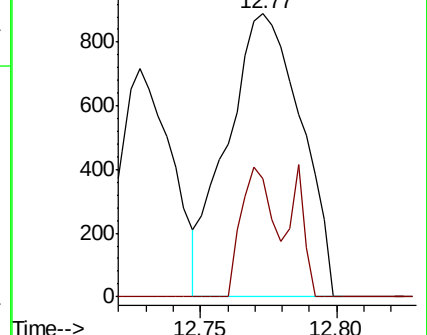
91 100

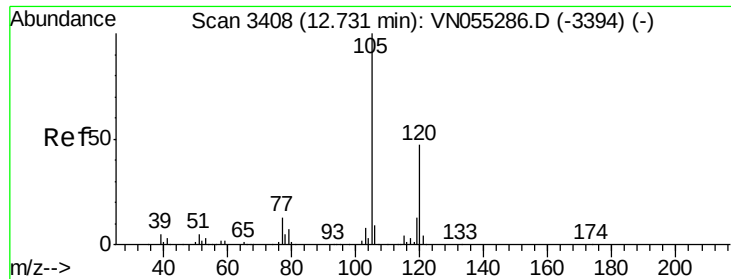
126 19.9 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.781 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

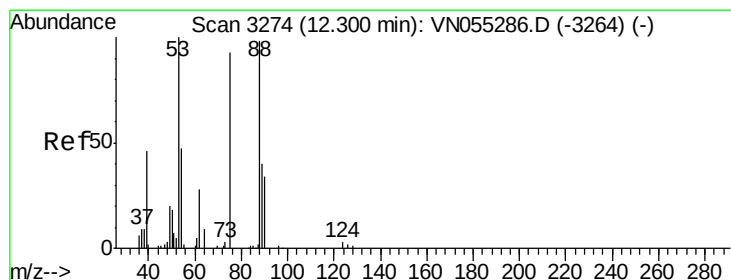
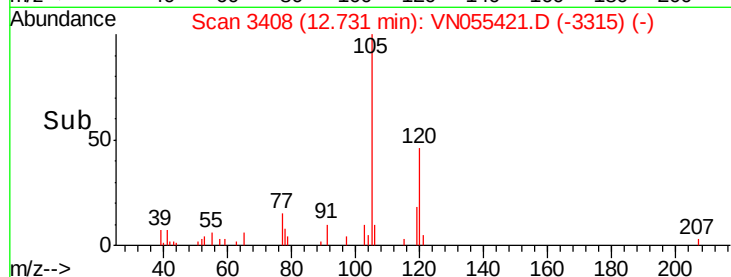
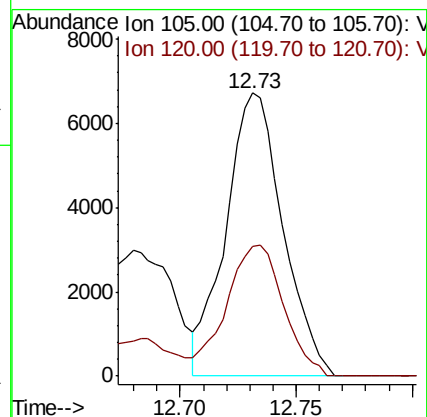
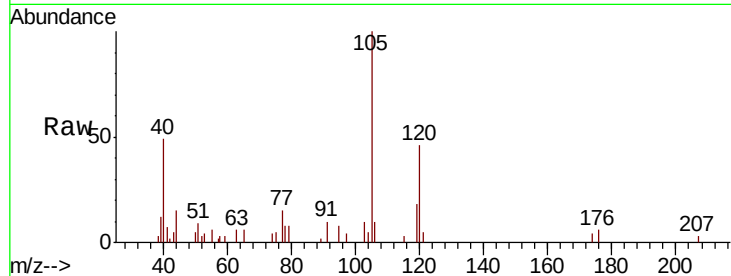
SU-04-050219-A

Tot Ion:105 Resp: 11470

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.0



#81

trans-1,4-Dichloro-2-butene

Concen: 141.163 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

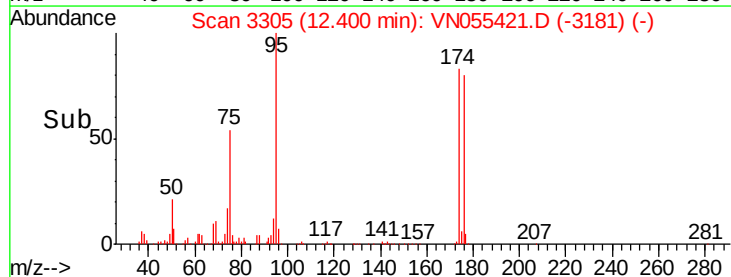
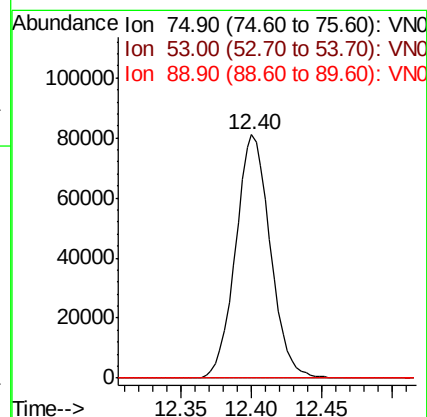
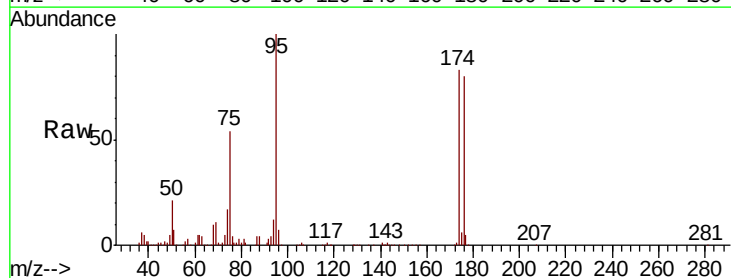
Tgt Ion: 75 Resp: 139541

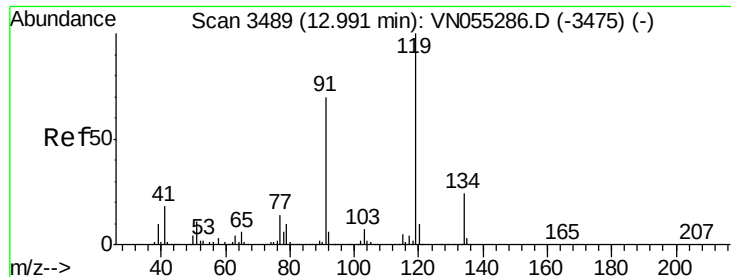
Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

89 0.0 34.6 51.8#

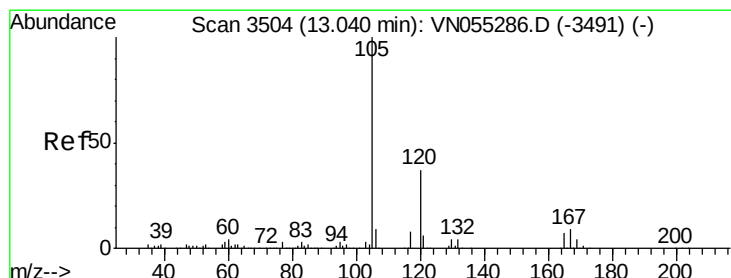
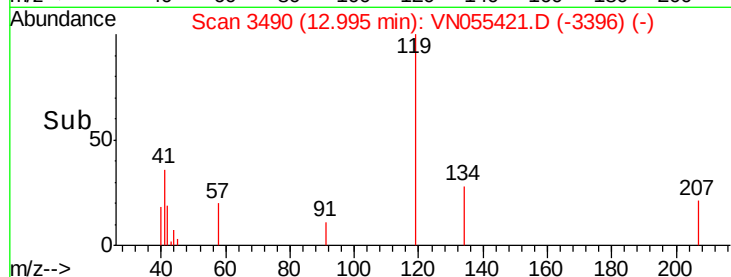
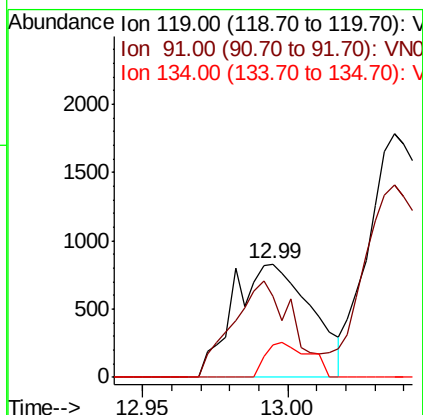
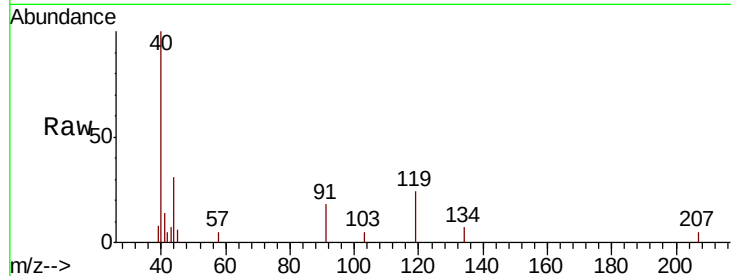




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055421.D
 Acq: 6 May 2019 17:29

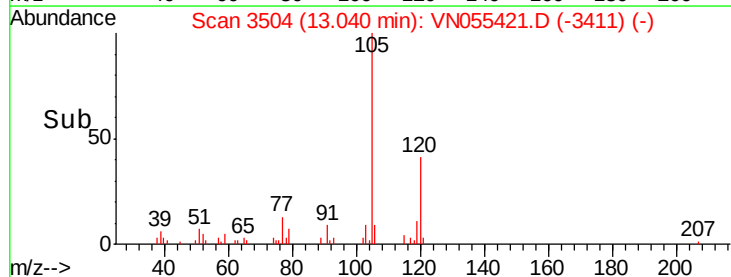
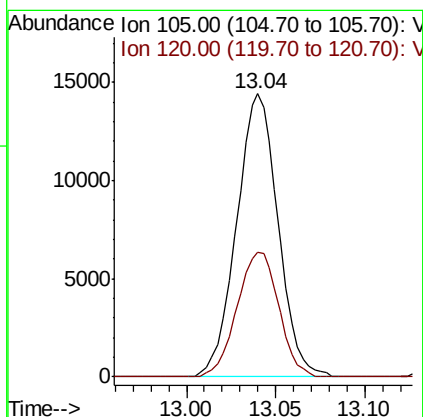
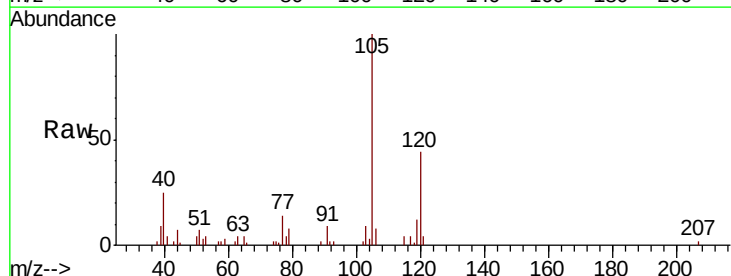
Instrument :
 MSVOA_N
 ClientSampleId :
 SU-04-050219-A

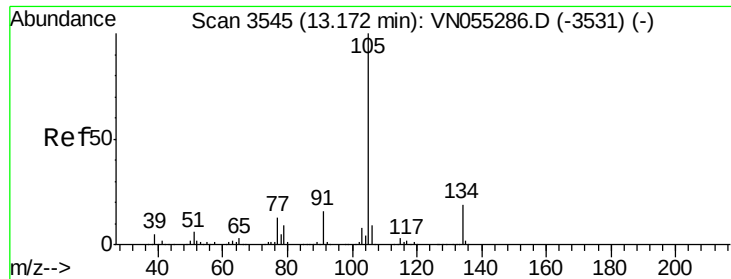
Tot Ion:119 Resp: 1548
 Ion Ratio Lower Upper
 119 100
 91 64.5 34.3 102.9
 134 17.1 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 1.783 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055421.D
 Acq: 6 May 2019 17:29

Tgt Ion:105 Resp: 23419
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.1 66.5





#85

sec-Butylbenzene

Concen: 0.280 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

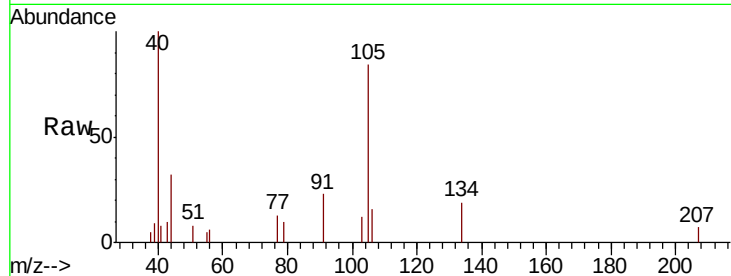
SU-04-050219-A

Tot Ion:105 Resp: 4470

Ion Ratio Lower Upper

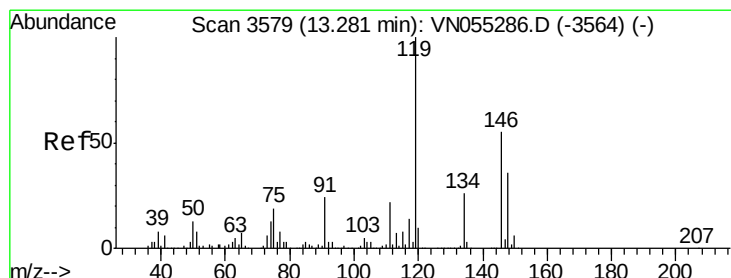
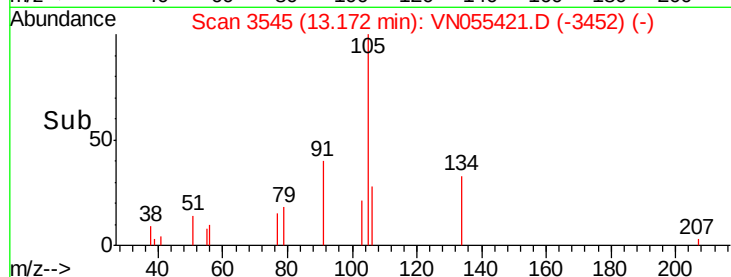
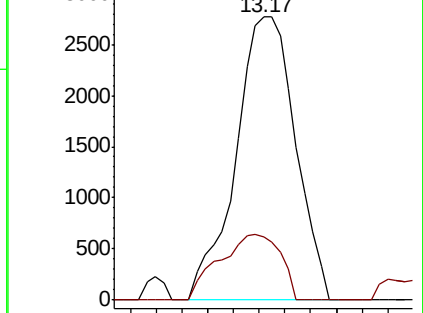
105 100

134 23.6 9.6 28.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 0.247 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

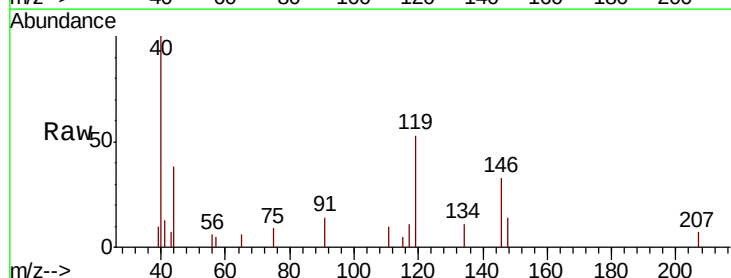
Tgt Ion:146 Resp: 1550

Ion Ratio Lower Upper

146 100

111 38.6 20.3 60.8

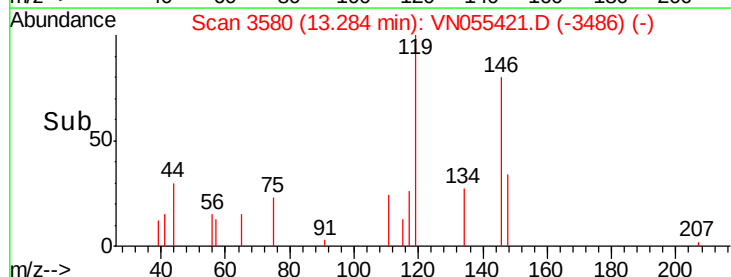
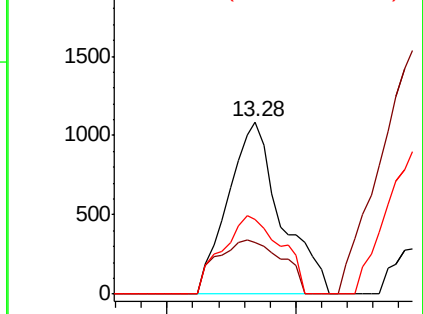
148 50.1 32.5 97.5

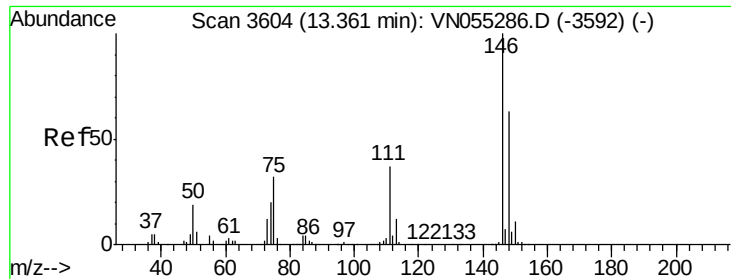


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.263 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

SU-04-050219-A

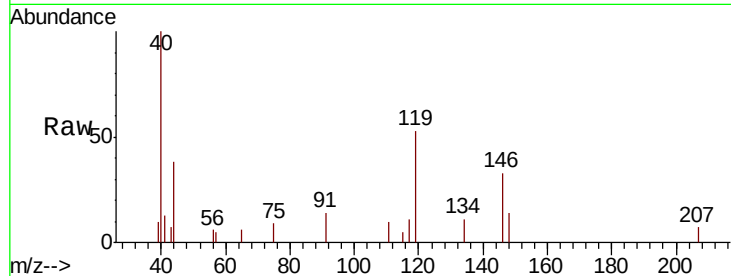
Tot Ion:146 Resp: 1550

Ion Ratio Lower Upper

146 100

111 38.6 19.5 58.5

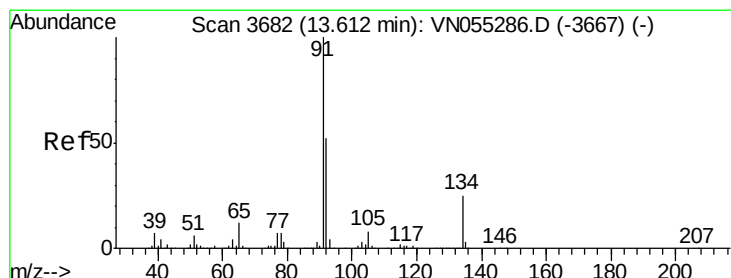
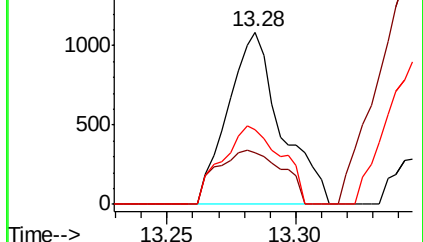
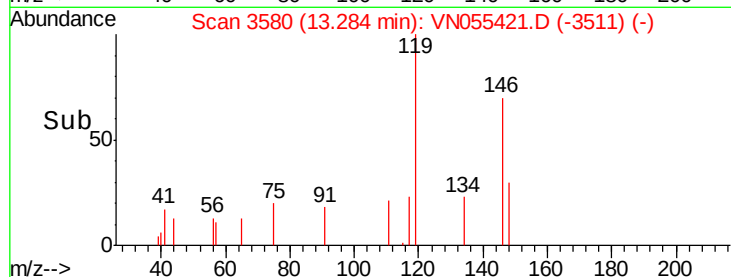
148 50.1 32.5 97.4



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: 0.522 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

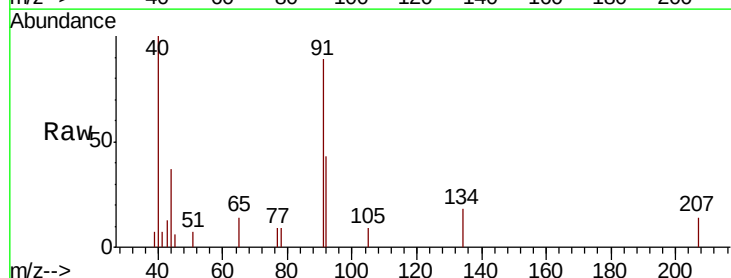
Tgt Ion: 91 Resp: 4863

Ion Ratio Lower Upper

91 100

92 47.6 26.1 78.3

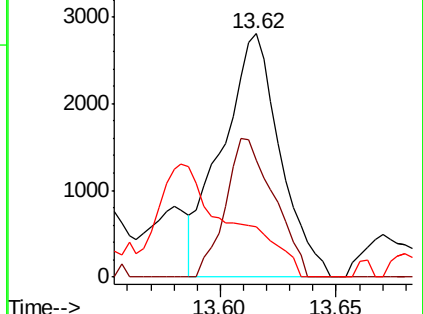
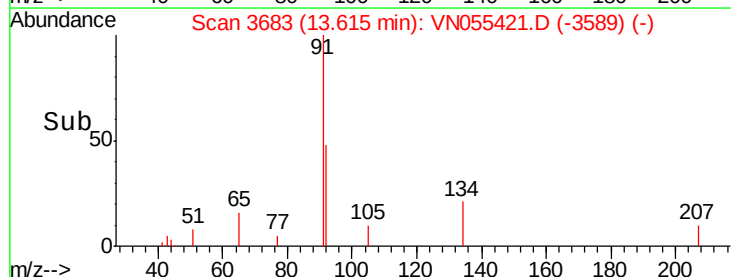
134 0.0 12.4 37.4#

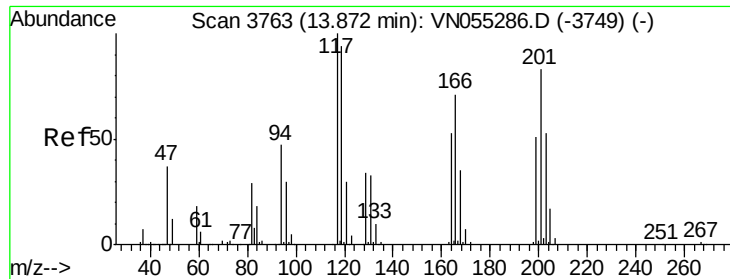


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

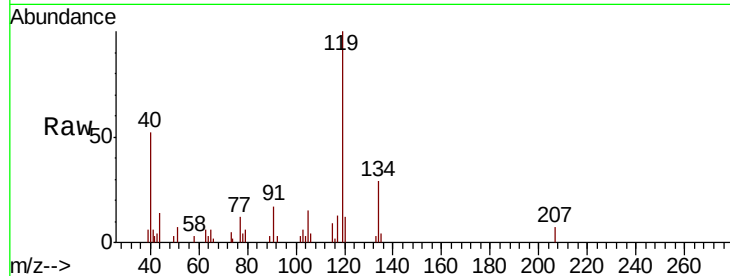
SU-04-050219-A

Tot Ion:117 Resp: 1062

Ion Ratio Lower Upper

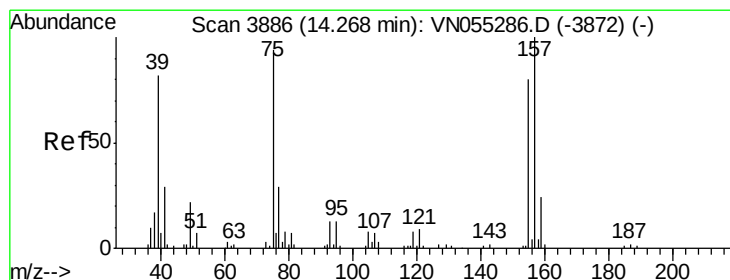
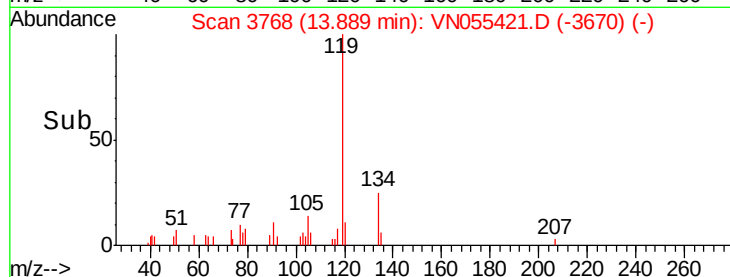
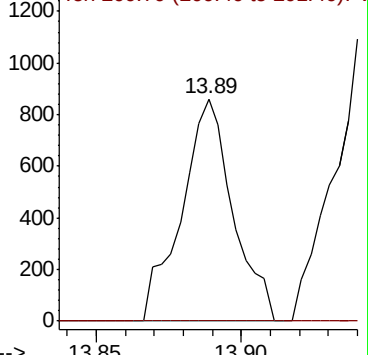
117 100

201 0.0 41.9 125.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.203 ug/l

RT: 14.00 min Scan# 3803

Delta R.T. -0.27 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

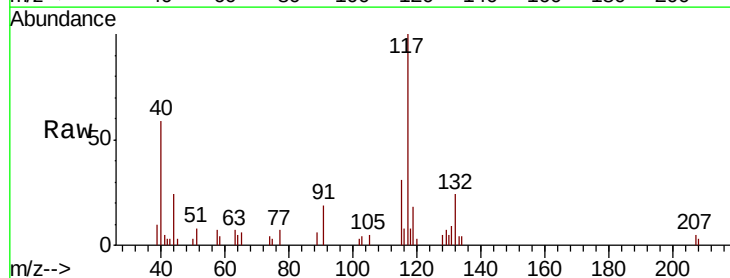
Tgt Ion: 75 Resp: 100

Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

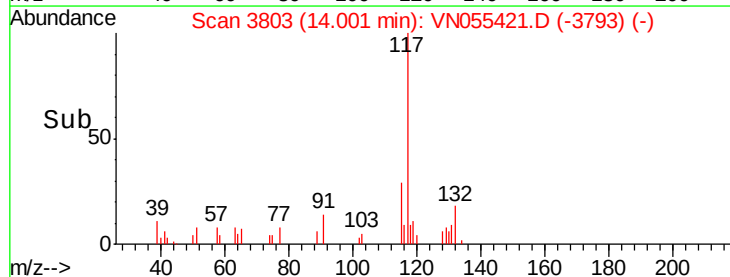
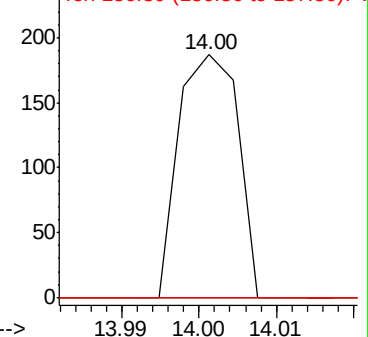
157 0.0 54.0 162.2#

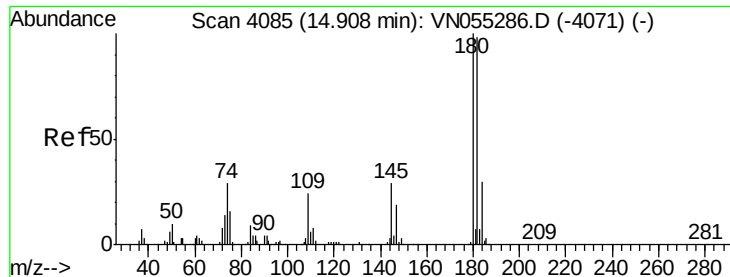


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

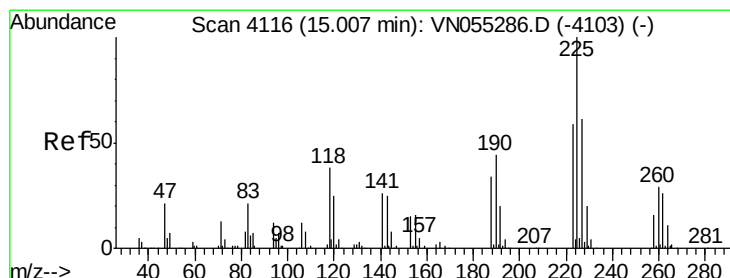
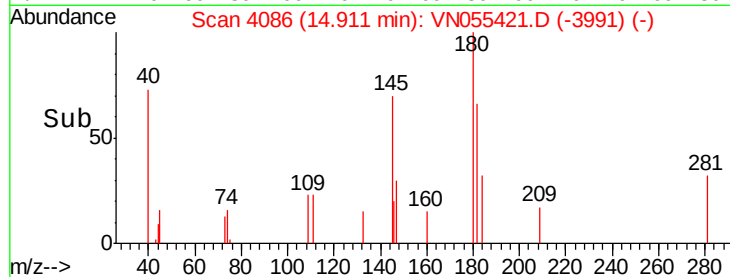
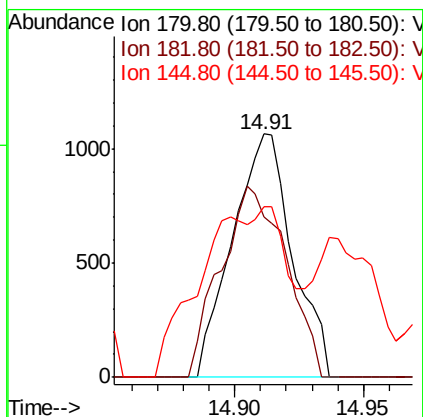
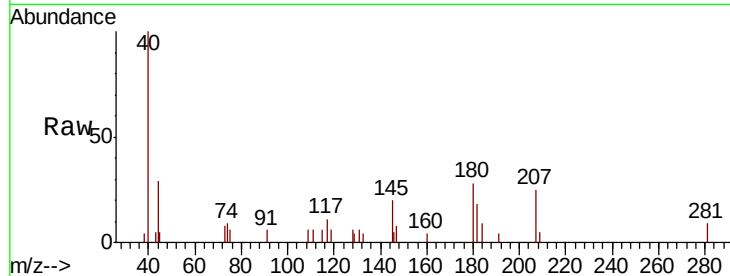




#93
 1,2,4-Trichlorobenzene
 Concen: 3.966 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055421.D
 Acq: 6 May 2019 17:29

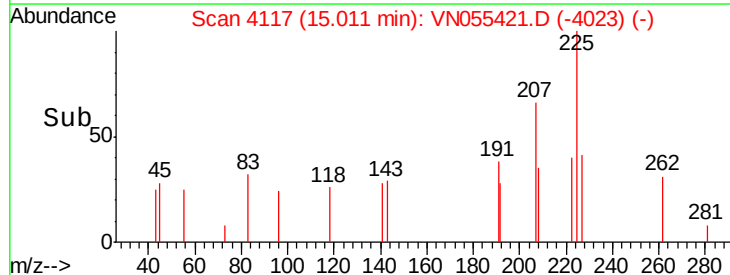
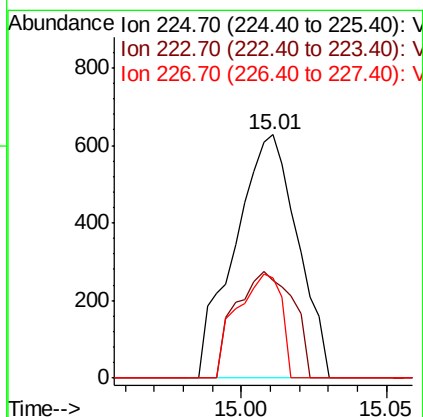
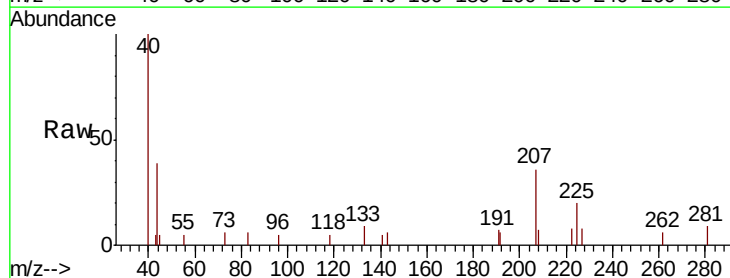
Instrument :
 MSVOA_N
 ClientSampled :
 SU-04-050219-A

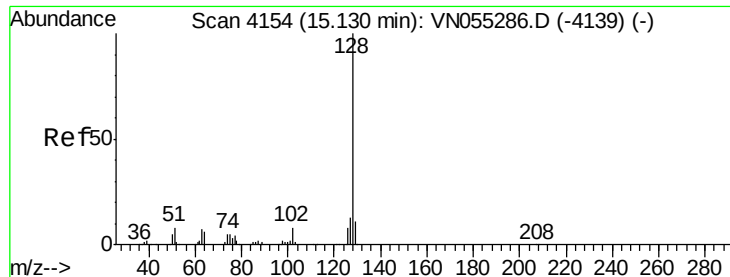
Tot Ion:180 Resp: 1720
 Ion Ratio Lower Upper
 180 100
 182 85.6 48.3 144.9
 145 58.9 14.2 42.6#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055421.D
 Acq: 6 May 2019 17:29

Tgt Ion:225 Resp: 944
 Ion Ratio Lower Upper
 225 100
 223 39.7 30.3 90.8
 227 30.4 30.9 92.7#





#95

Naphthalene

Concen: 4.500 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

SU-04-050219-A

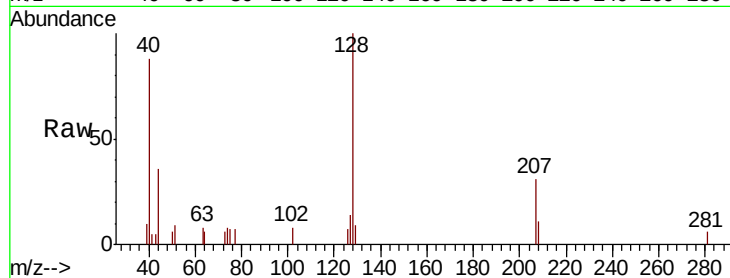
Tot Ion:128 Resp: 6534

Ion Ratio Lower Upper

128 100

127 15.4 10.7 16.1

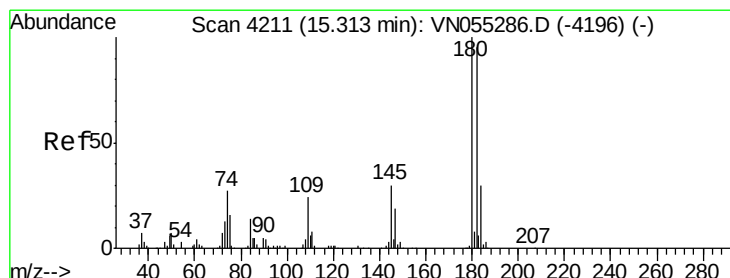
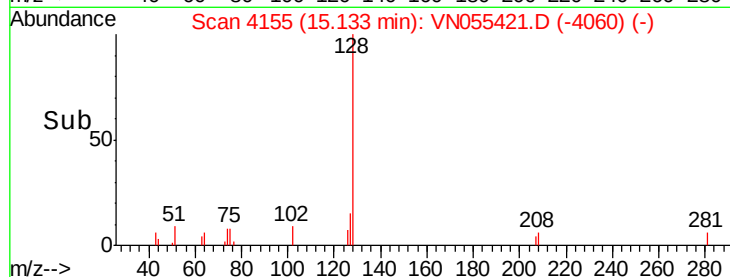
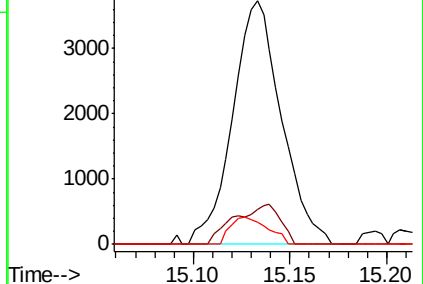
129 8.5 8.6 13.0#



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: 3.376 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055421.D

Acq: 6 May 2019 17:29

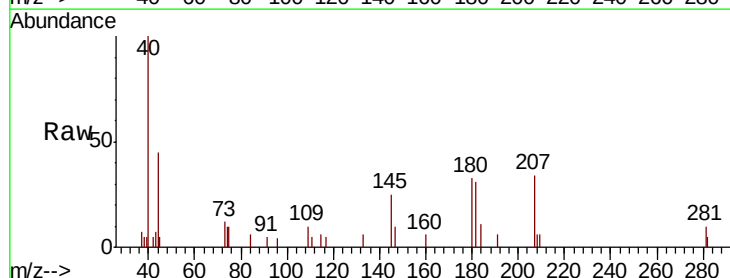
Tgt Ion:180 Resp: 1944

Ion Ratio Lower Upper

180 100

182 103.8 48.3 144.9

145 128.0 15.2 45.6#



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

