

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056077.D
 Acq On : 7 Jun 2019 5:09
 Operator : JC/SP
 Sample : K3153-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-05-060519-C

Quant Time: Jun 07 07:19:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	335043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	509023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	489181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174027	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	165689	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
35) Dibromofluoromethane	7.59	113	144304	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	
50) Toluene-d8	10.09	98	618494	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.40	95	203603	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.18	62	1122	0.308	ug/l	99
11) Tert butyl alcohol	4.83	59	899	1.553	ug/l #	74
16) Acetone	3.82	43	10852	6.821	ug/l	98
18) Methyl Acetate	4.33	43	3924	0.685	ug/l #	56
20) Methylene Chloride	4.54	84	4013	1.224	ug/l	90
25) 2-Butanone	6.86	43	824	0.410	ug/l #	47
29) Tetrahydrofuran	7.22	42	279	0.225	ug/l #	40
31) Cyclohexane	7.66	56	4885	0.925	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19038	4.350	ug/l #	48
38) Carbon Tetrachloride	7.66	117	27256	6.754	ug/l #	15
43) Isopropyl Acetate	8.17	43	10595	1.679	ug/l #	85
45) 1,2-Dichloropropane	9.26	63	1307	0.384	ug/l #	44
48) Methyl methacrylate	9.18	41	6509	2.108	ug/l #	12
51) 4-Methyl-2-Pentanone	9.98	43	3779	0.958	ug/l #	85
54) cis-1,3-Dichloropropene	9.90	75	44400	9.153	ug/l #	59
57) 1,3-Dichloropropane	10.76	76	9372	1.759	ug/l #	42
59) 2-Hexanone	10.76	43	120421	42.101	ug/l #	51
65) Chlorobenzene	11.43	112	4025	0.413	ug/l	97
68) m/p-Xylenes	11.62	106	1386	0.214	ug/l	92
69) o-Xylene	11.95	106	3304	0.519	ug/l	90
71) Bromoform	12.40	173	923	3.051	ug/l #	1
73) Isopropylbenzene	12.25	105	1213	Below Cal	#	70
76) 1,2,3-Trichloropropane	12.40	75	92834	28.991	ug/l #	100
78) n-propylbenzene	12.59	91	3194	0.217	ug/l	99
79) 2-Chlorotoluene	12.65	91	1461	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	17627	1.506	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	92834	96.545	ug/l #	15
83) tert-Butylbenzene	12.99	119	231	Below Cal	#	28
84) 1,2,4-Trimethylbenzene	13.04	105	24117	2.173	ug/l	99
85) sec-Butylbenzene	13.17	105	2966	0.227	ug/l	93
86) p-Isopropyltoluene	13.29	119	2775	0.238	ug/l	95
88) 1,4-Dichlorobenzene	13.36	146	1177	0.212	ug/l #	48
90) Hexachloroethane	13.89	117	1416	0.805	ug/l #	1
91) 1,2-Dichlorobenzene	13.66	146	1800	0.309	ug/l	95

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HR-05-060519-C

Quant Time: Jun 07 07:19:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

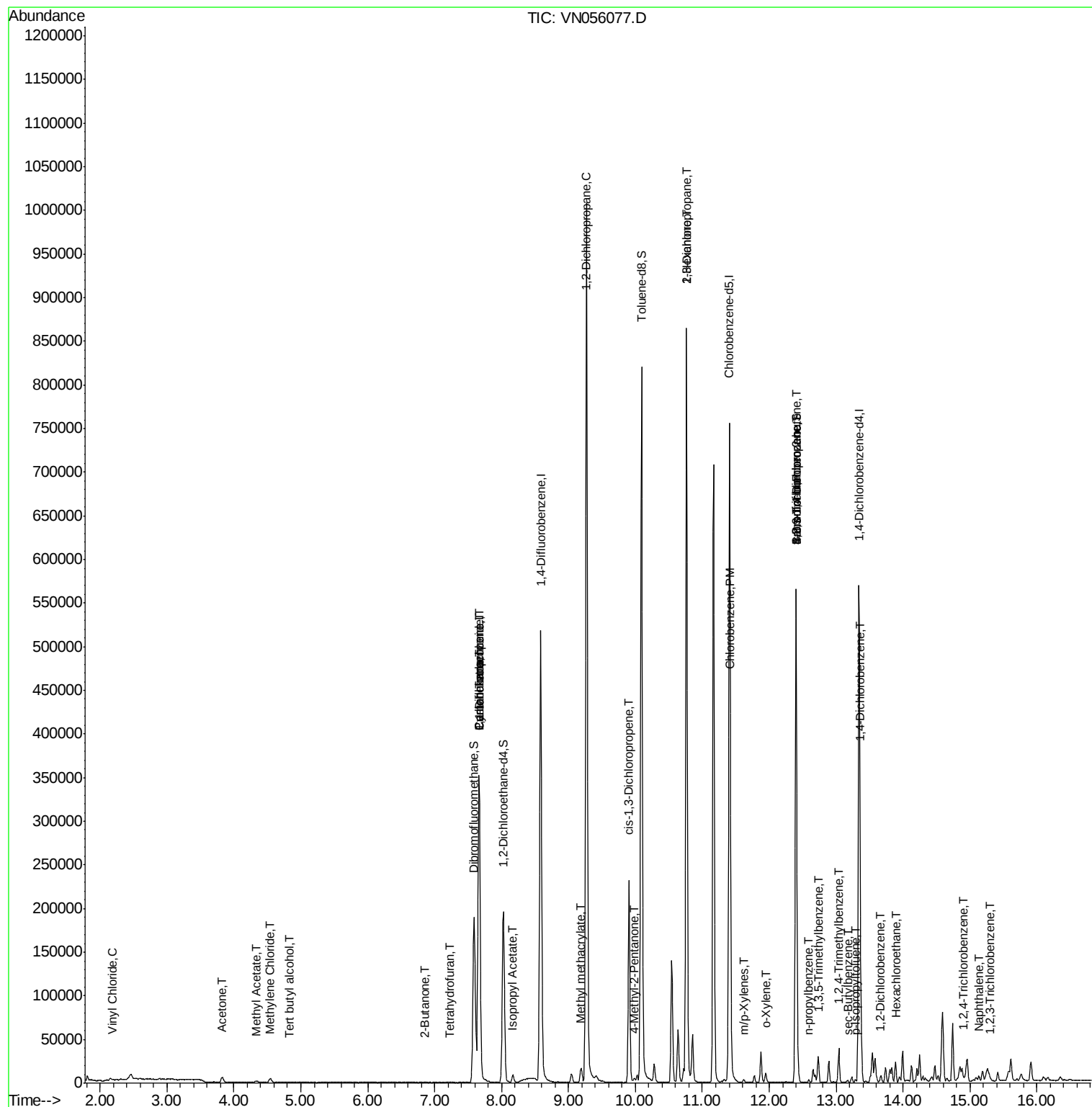
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	356	4.371	ug/l #	1
94) Hexachlorobutadiene	15.01	225	30	Below Cal	#	19
95) Naphthalene	15.13	128	5719	4.485	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.32	180	366	3.136	ug/l #	61

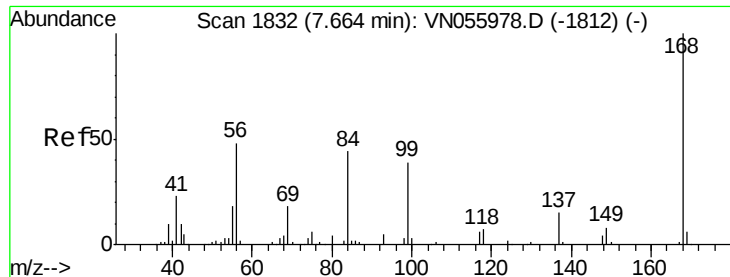
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056077.D

Acq: 7 Jun 2019 5:09

Instrument :

MSVOA_N

ClientSampleId :

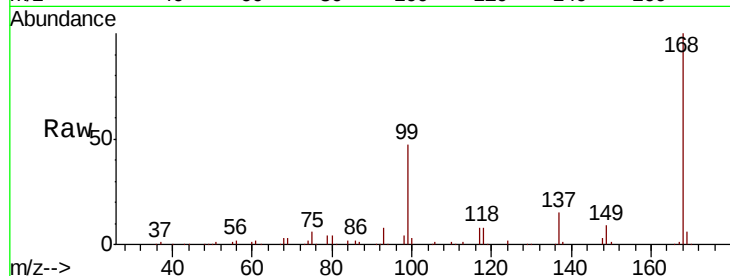
HR-05-060519-C

Tot Ion:168 Resp: 335043

Ion Ratio Lower Upper

168 100

99 46.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

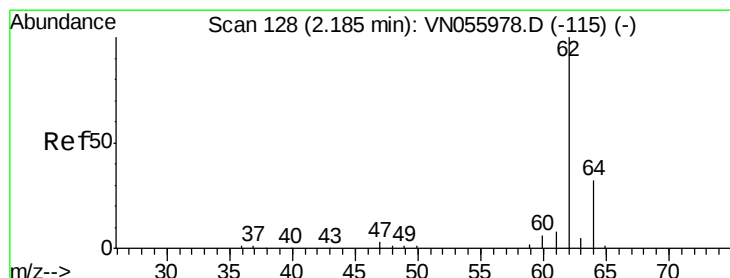
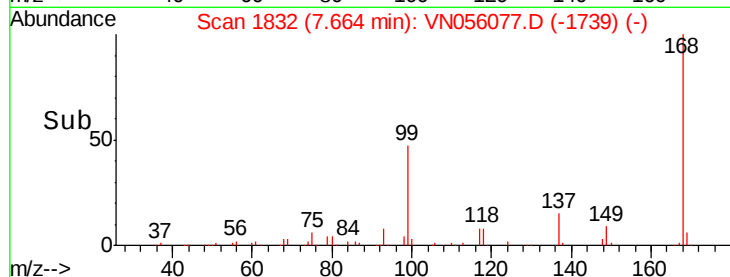
100000

50000

0

7.60 7.70 7.80

Time-->



#4

Vinyl Chloride

Concen: 0.308 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056077.D

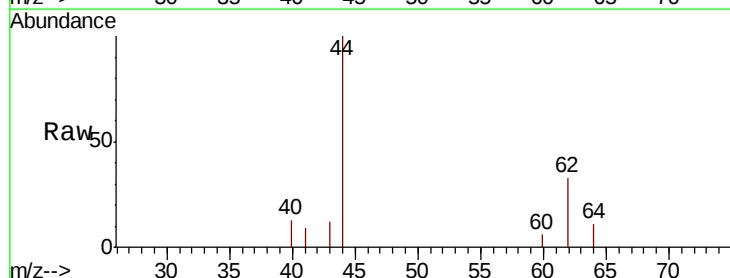
Acq: 7 Jun 2019 5:09

Tgt Ion: 62 Resp: 1122

Ion Ratio Lower Upper

62 100

64 32.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN

2.18

800

600

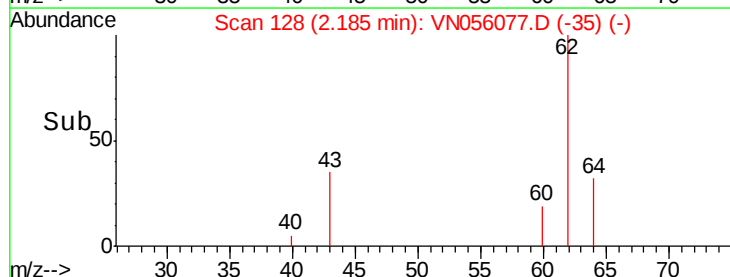
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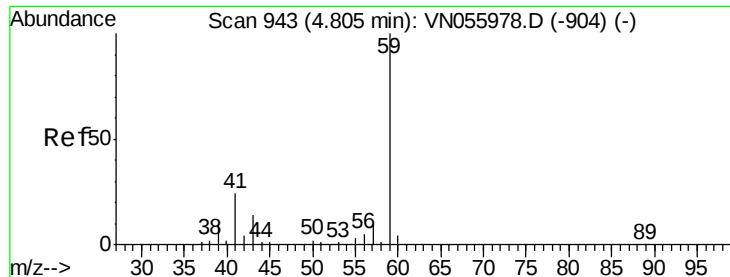
200

0

2.14 2.16 2.18 2.20 2.22

Time-->

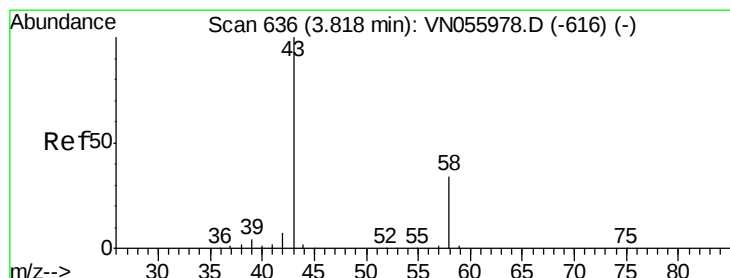
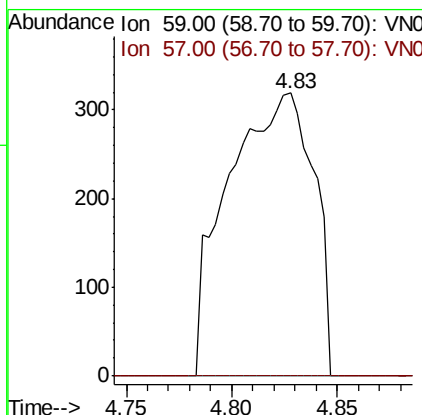
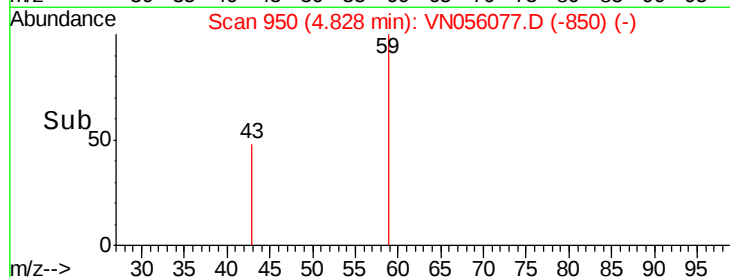
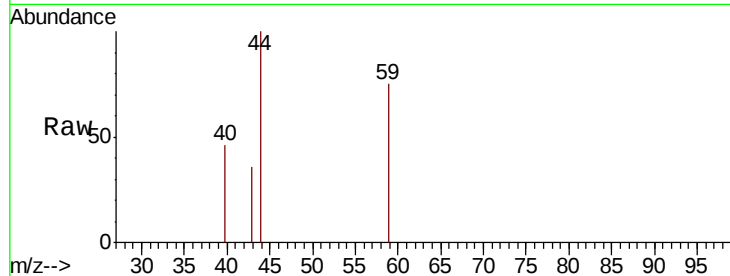




#11
Tert butyl alcohol
Concen: 1.553 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.02 min
Lab File: VN056077.D
Acq: 7 Jun 2019 5:09

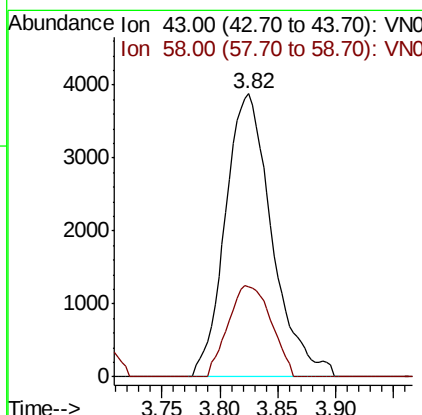
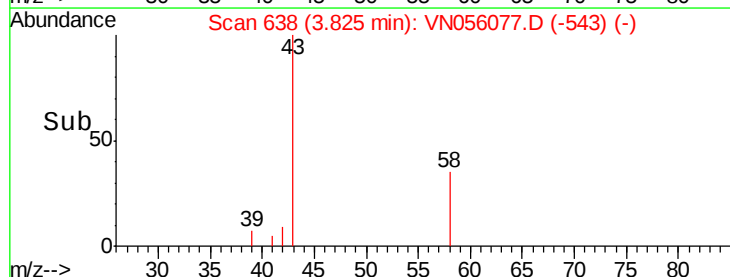
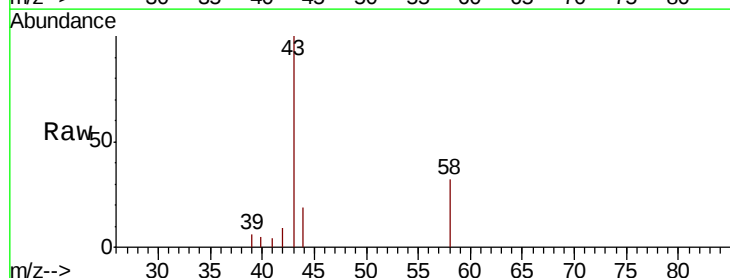
Instrument :
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ClientSampleId :
HR-05-060519-C

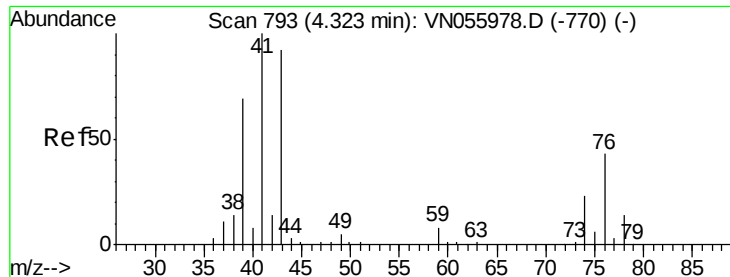
Tot Ion: 59 Resp: 899
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 6.821 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN056077.D
Acq: 7 Jun 2019 5:09

Tgt Ion: 43 Resp: 10852
Ion Ratio Lower Upper
43 100
58 32.0 26.6 39.8

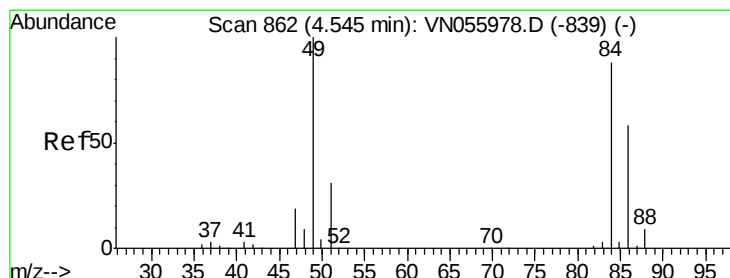
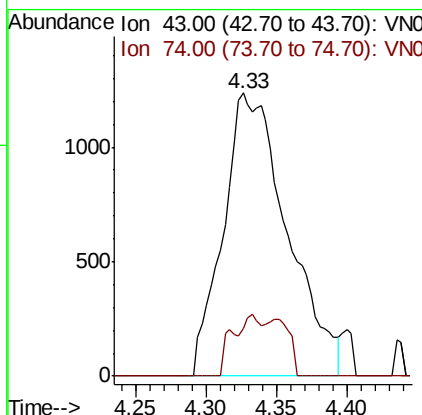
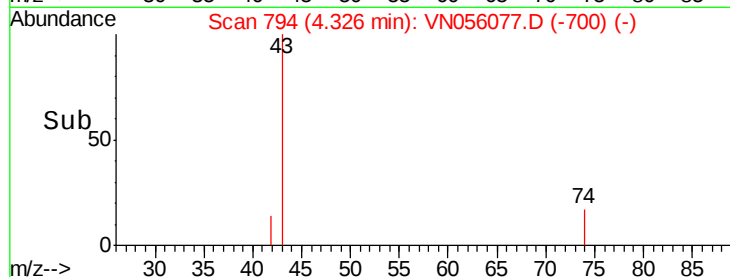
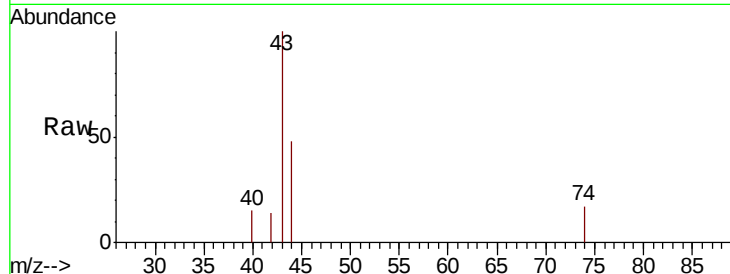




#18
Methyl Acetate
Concen: 0.685 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056077.D
Acq: 7 Jun 2019 5:09

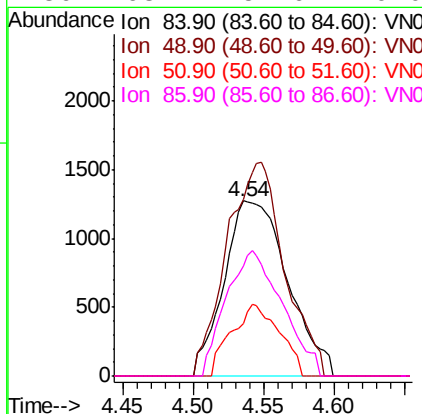
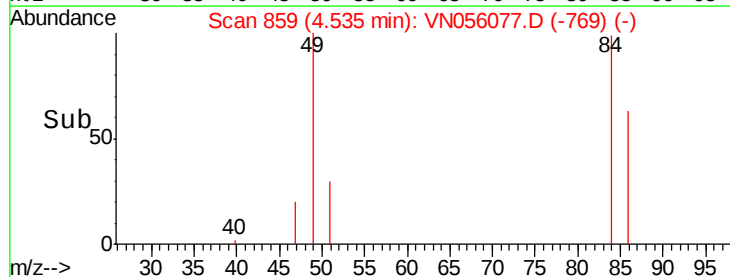
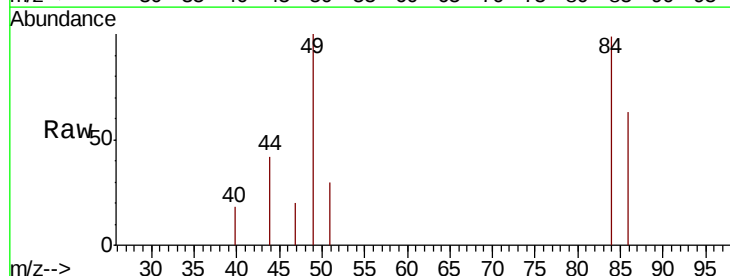
Instrument :
MSVOA_N
ClientSampleId :
HR-05-060519-C

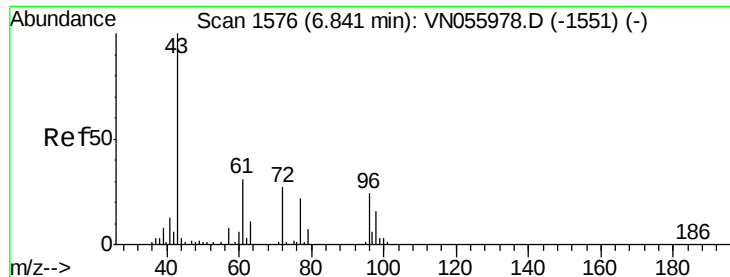
Tot Ion: 43 Resp: 3924
Ion Ratio Lower Upper
43 100
74 2.4 19.3 28.9#



#20
Methylene Chloride
Concen: 1.224 ug/l
RT: 4.54 min Scan# 859
Delta R.T. -0.01 min
Lab File: VN056077.D
Acq: 7 Jun 2019 5:09

Tgt Ion: 84 Resp: 4013
Ion Ratio Lower Upper
84 100
49 101.1 93.5 140.3
51 30.3 28.6 43.0
86 63.2 52.6 79.0





#25

2-Butanone

Concen: 0.410 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.02 min

Lab File: VN056077.D

Acq: 7 Jun 2019 5:09

Instrument :

MSVOA_N

ClientSampleId :

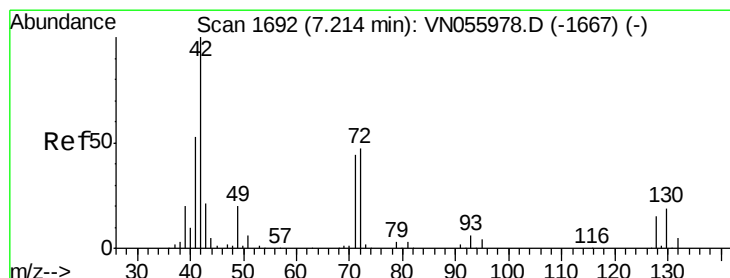
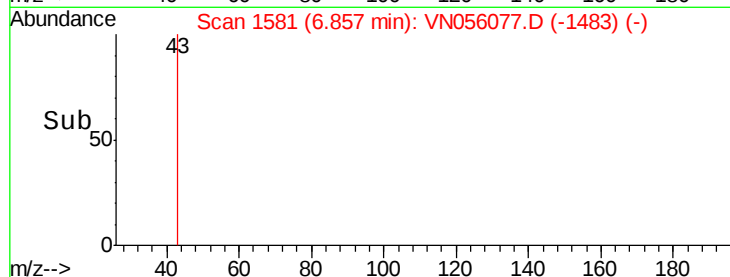
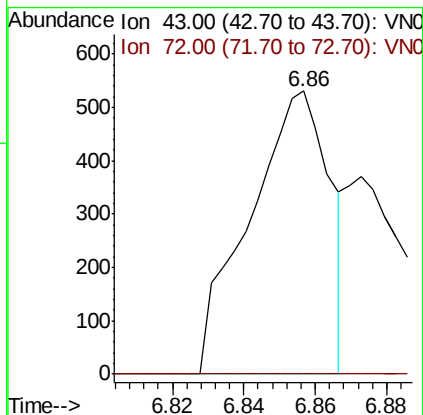
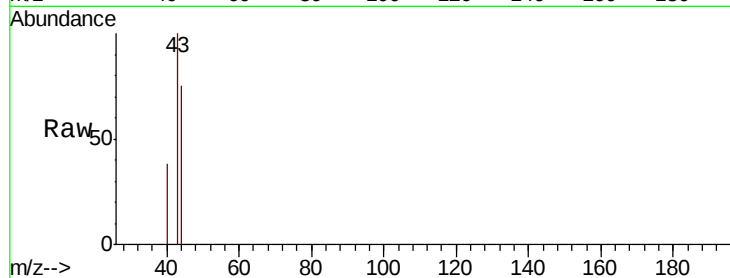
HR-05-060519-C

Tot Ion: 43 Resp: 824

Ion Ratio Lower Upper

43 100

72 0.0 21.9 32.9#



#29

Tetrahydrofuran

Concen: 0.225 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN056077.D

Acq: 7 Jun 2019 5:09

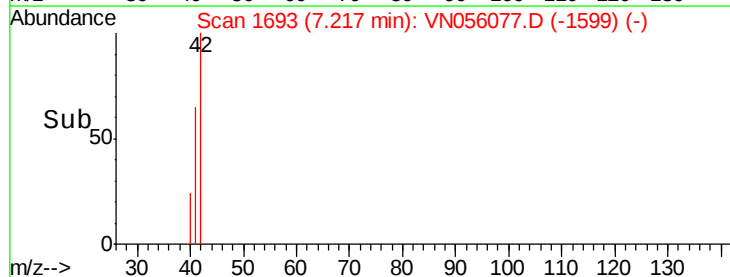
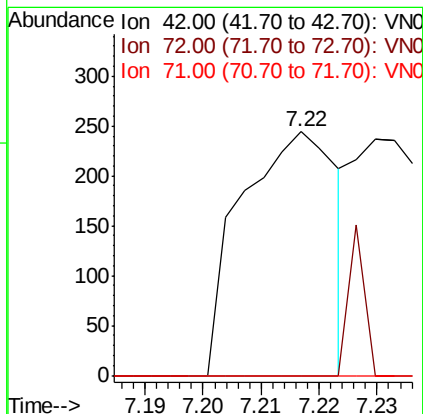
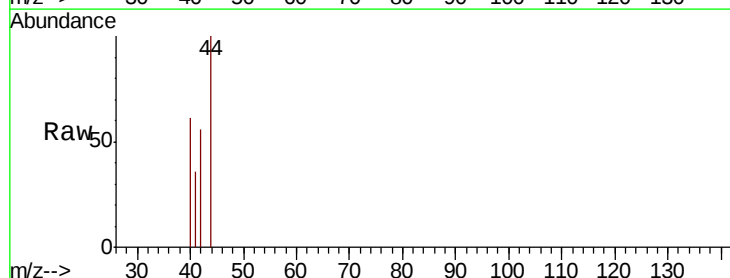
Tgt Ion: 42 Resp: 279

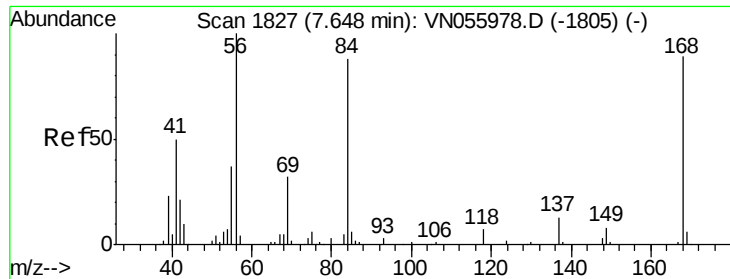
Ion Ratio Lower Upper

42 100

72 10.4 35.9 53.9#

71 0.0 34.0 51.0#

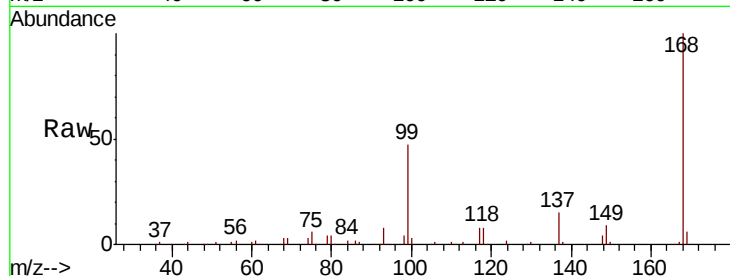




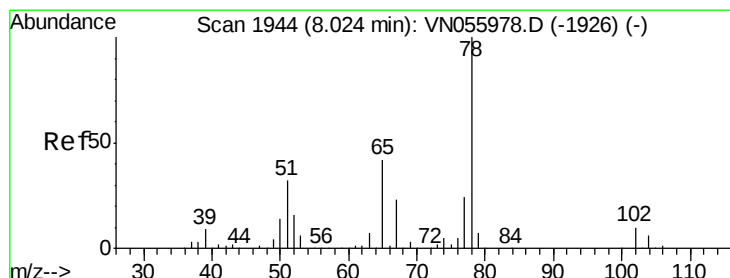
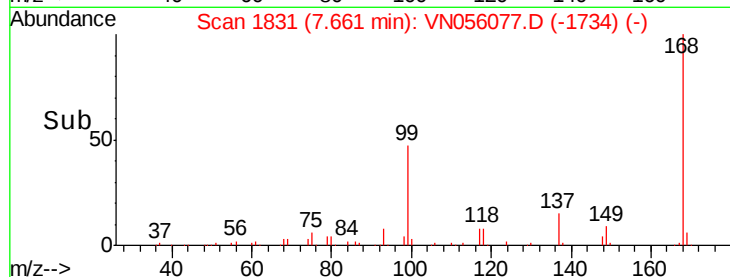
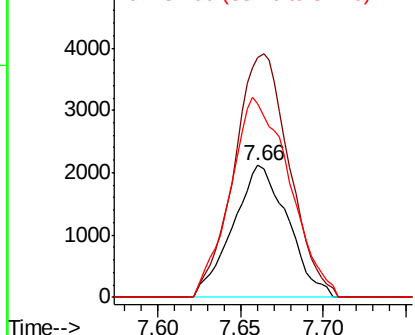
#31
Cyclohexane
Concen: 0.925 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056077.D
Acq: 7 Jun 2019 5:09

Instrument :
MSVOA_N
ClientSampleId :
HR-05-060519-C

Tot Ion: 56 Resp: 4885
Ion Ratio Lower Upper
56 100
69 181.4 25.6 38.4#
84 147.1 67.4 101.0#

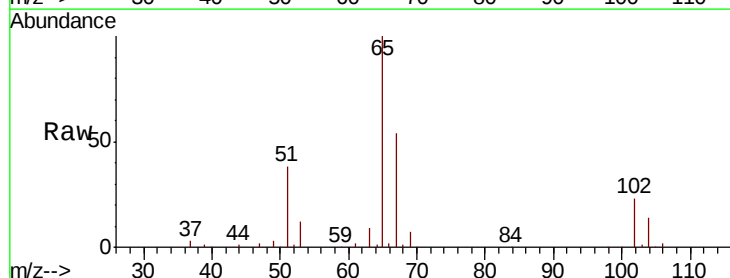


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

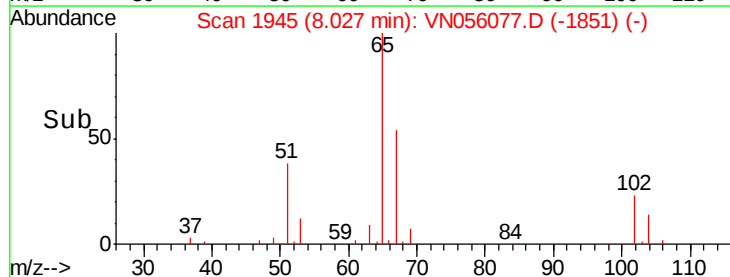
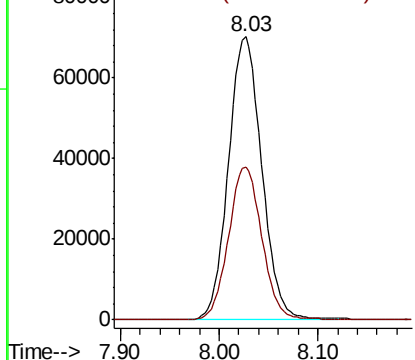


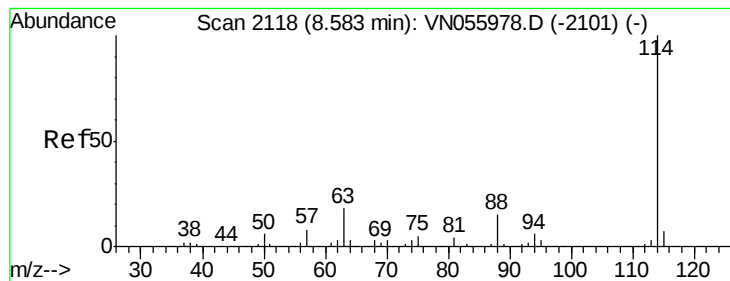
#33
1,2-Dichloroethane-d4
Concen: 49.806 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056077.D
Acq: 7 Jun 2019 5:09

Tgt Ion: 65 Resp: 165689
Ion Ratio Lower Upper
65 100
67 54.1 0.0 109.2



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: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056077.D

Acq: 7 Jun 2019 5:09

Instrument :

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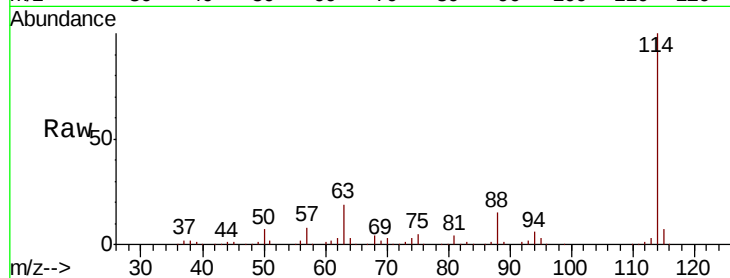
Tot Ion:114 Resp: 509023

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.2

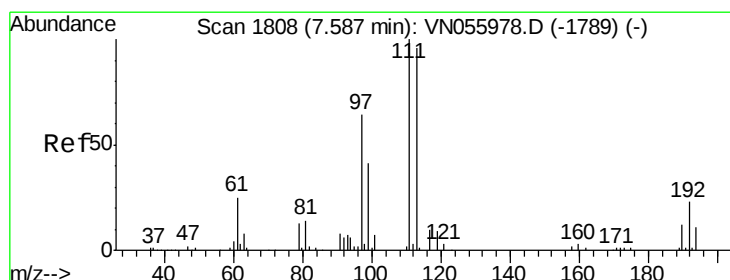
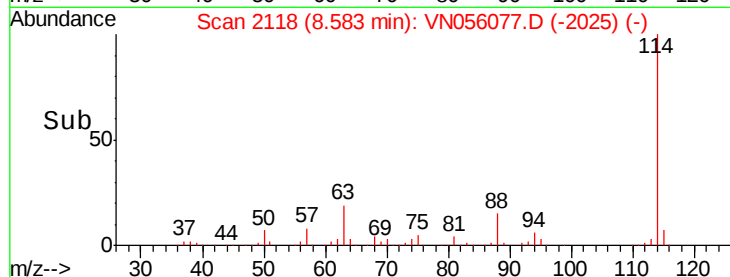
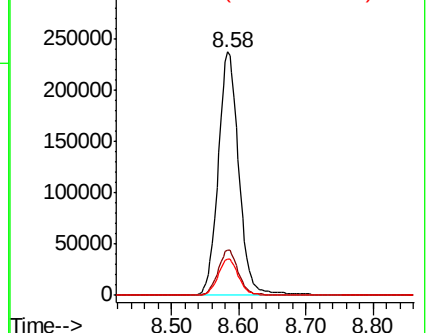
88 15.1 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 46.207 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056077.D

Acq: 7 Jun 2019 5:09

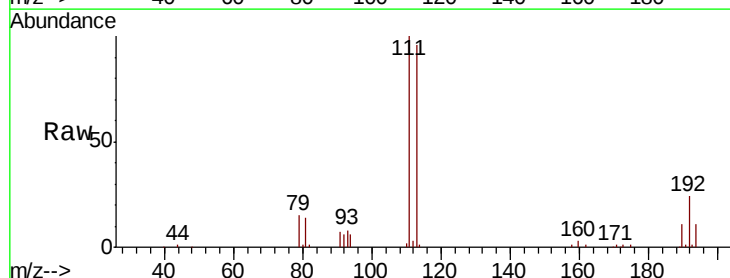
Tgt Ion:113 Resp: 144304

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

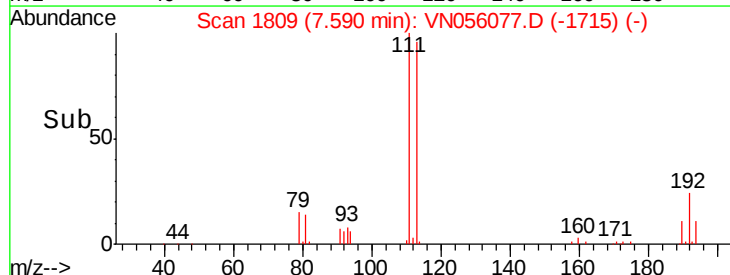
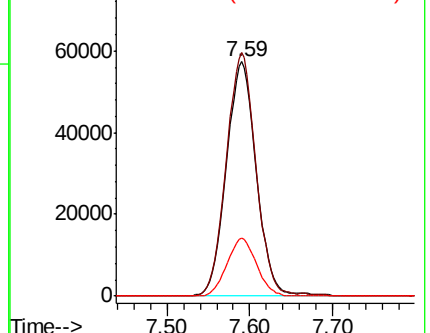
192 24.3 19.5 29.3

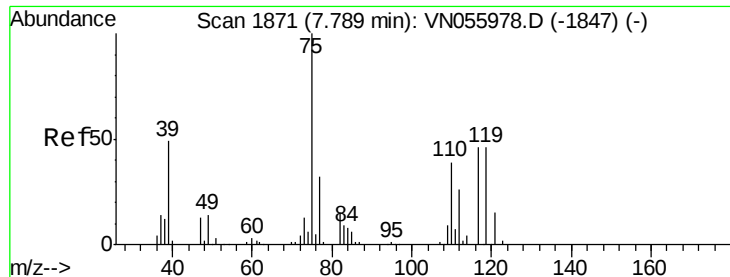


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

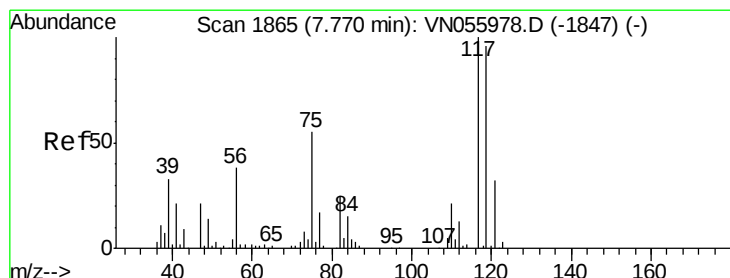
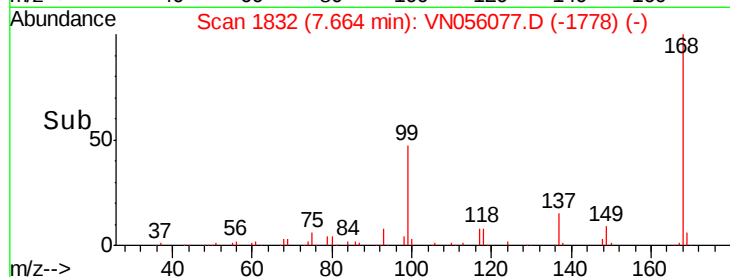
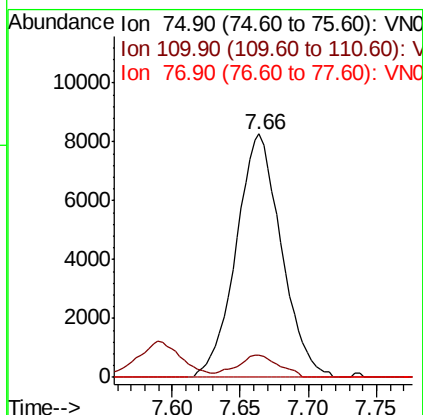
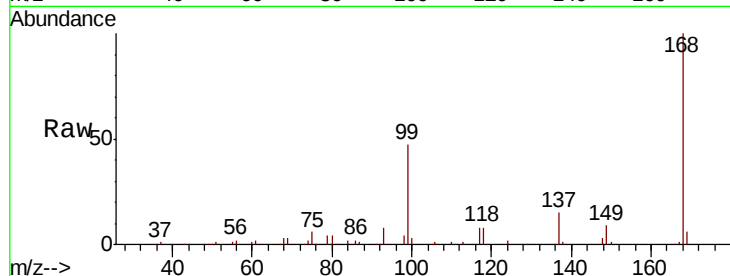




#36
 1,1-Dichloropropene
 Concen: 4.350 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056077.D
 Acq: 7 Jun 2019 5:09

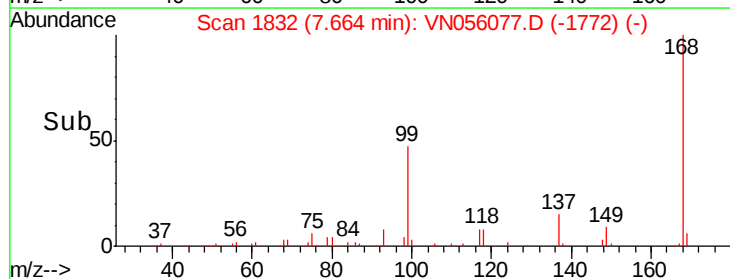
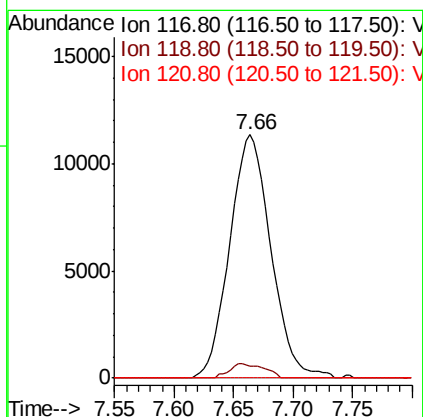
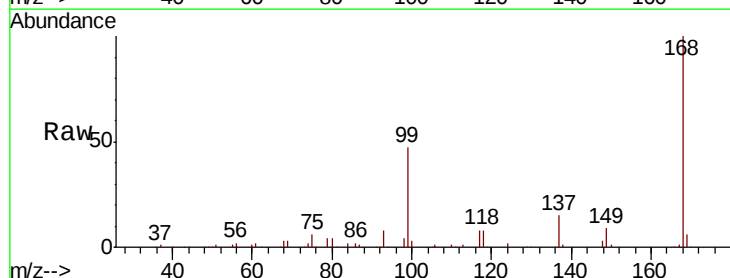
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-05-060519-C

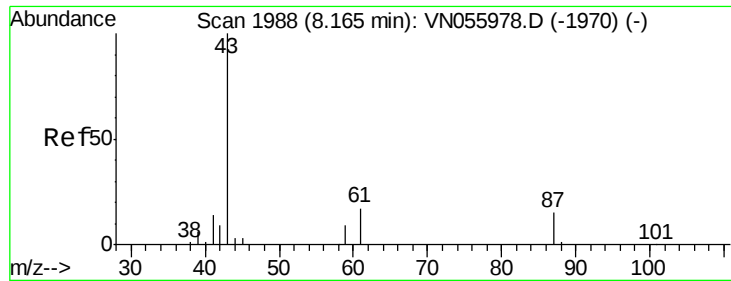
Tot Ion	75	Resp	19038
Ion Ratio	Lower	Upper	
75	100		
110	8.7	19.0	57.0#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.754 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056077.D
 Acq: 7 Jun 2019 5:09

Tgt Ion	117	Resp	27256
Ion Ratio	Lower	Upper	
117	100		
119	4.9	79.0	118.6#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 1.679 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056077.D

Acq: 7 Jun 2019 5:09

Instrument :

MSVOA_N

ClientSampleId :

HR-05-060519-C

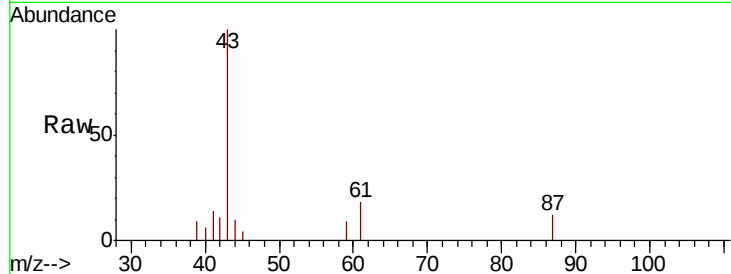
Tot Ion: 43 Resp: 10595

Ion Ratio Lower Upper

43 100

61 17.6 22.2 33.4#

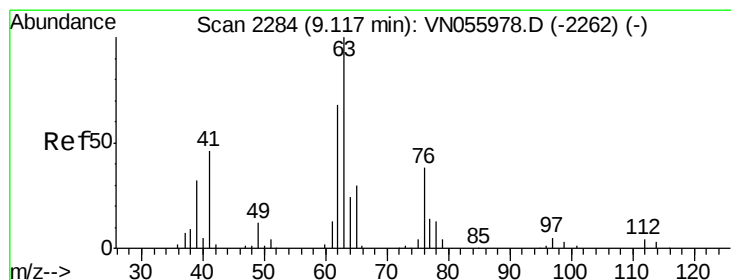
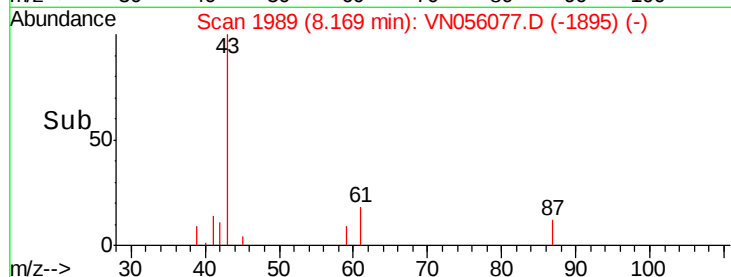
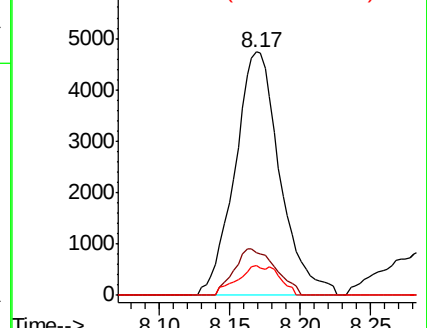
87 11.3 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.384 ug/l

RT: 9.26 min Scan# 2330

Delta R.T. 0.15 min

Lab File: VN056077.D

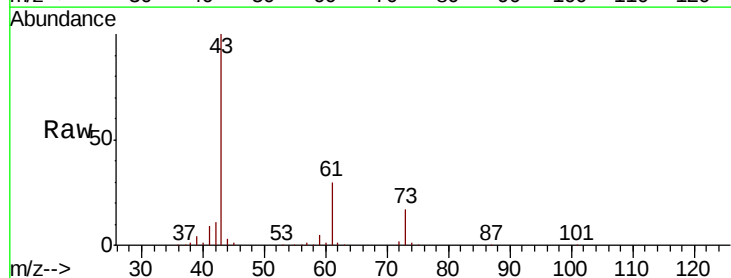
Acq: 7 Jun 2019 5:09

Tgt Ion: 63 Resp: 1307

Ion Ratio Lower Upper

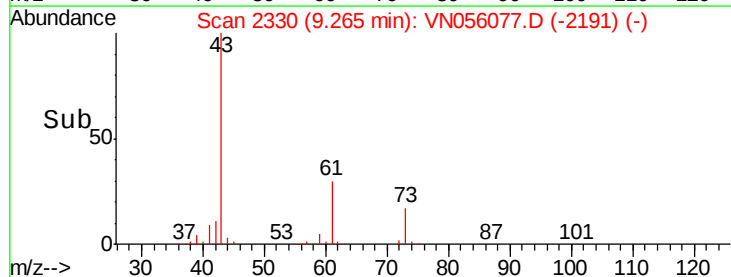
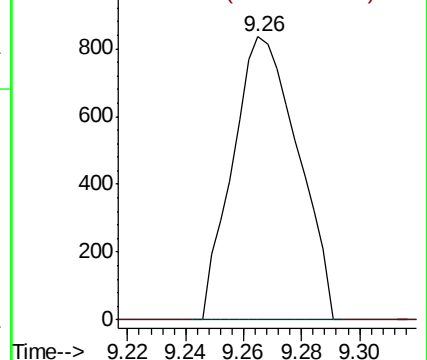
63 100

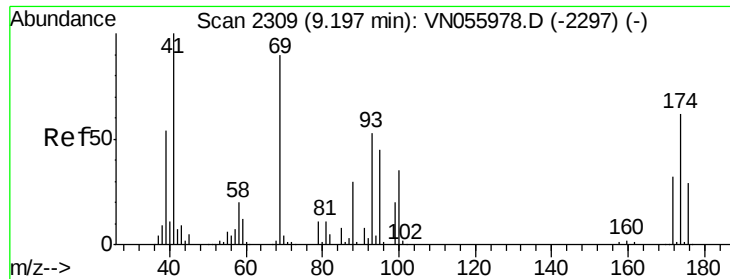
65 0.0 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

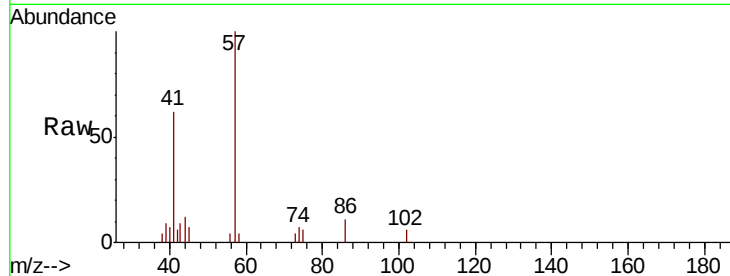




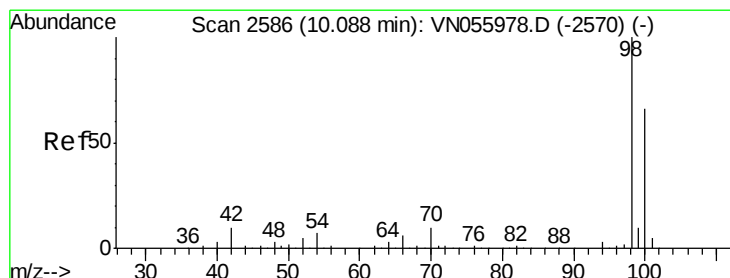
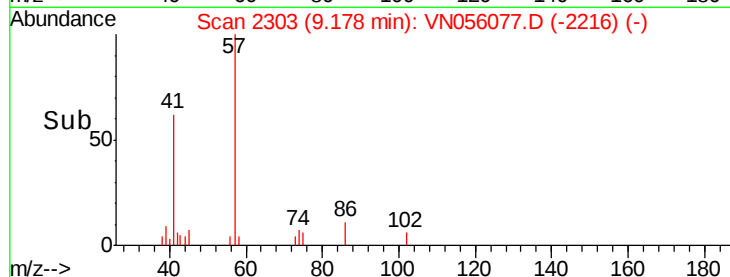
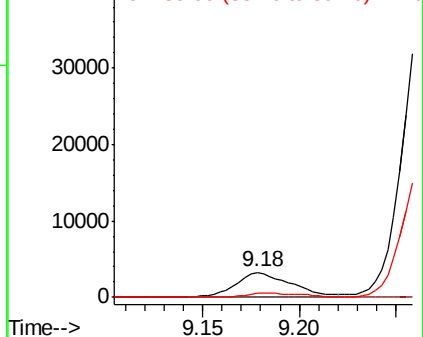
#48
Methvl methacrylate
Concen: 2.108 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN056077.D
Acq: 7 Jun 2019 5:09

Instrument :
MSVOA_N
ClientSampleId :
HR-05-060519-C

Tot Ion: 41 Resp: 6509
Ion Ratio Lower Upper
41 100
69 0.0 71.0 106.6#
39 0.0 44.2 66.2#

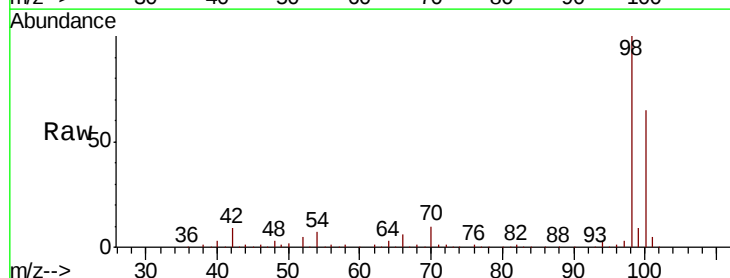


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

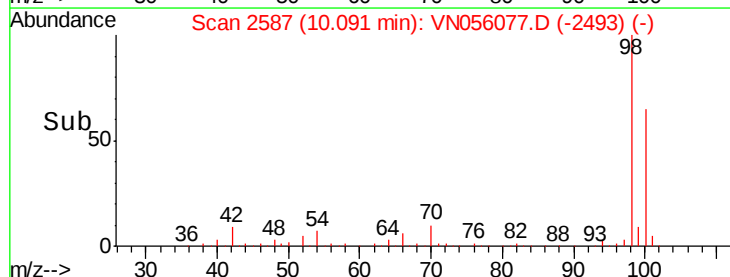
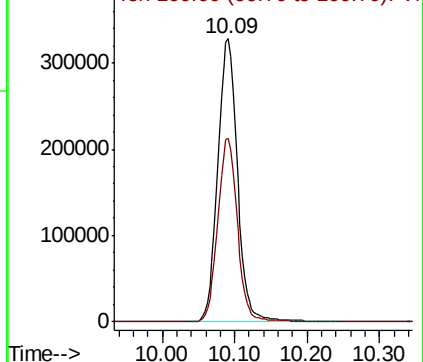


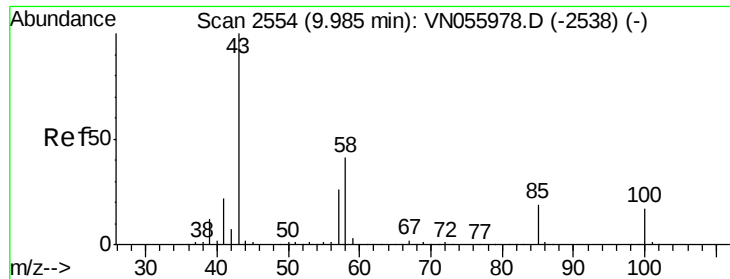
#50
Toluene-d8
Concen: 51.467 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056077.D
Acq: 7 Jun 2019 5:09

Tgt Ion: 98 Resp: 618494
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



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: 0.958 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056077.D

Acq: 7 Jun 2019 5:09

Instrument :

MSVOA_N

ClientSampleId :

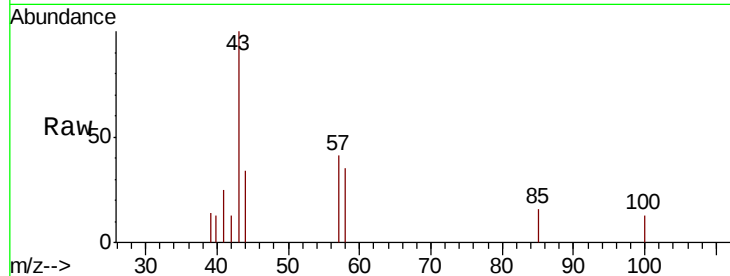
HR-05-060519-C

Tot Ion: 43 Resp: 3779

Ion Ratio Lower Upper

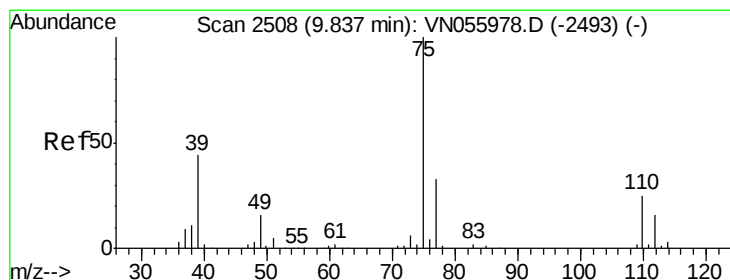
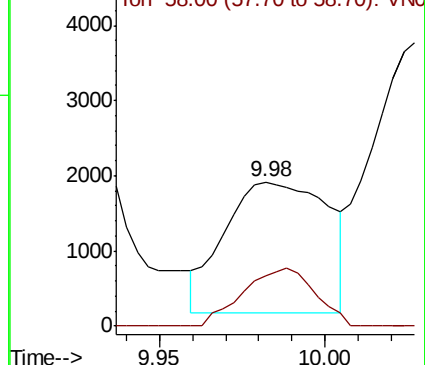
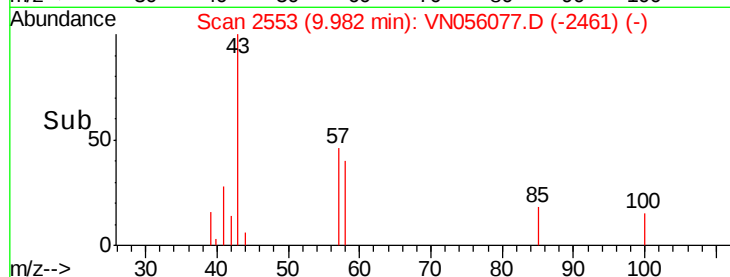
43 100

58 30.9 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)



#54

cis-1,3-Dichloropropene

Concen: 9.153 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN056077.D

Acq: 7 Jun 2019 5:09

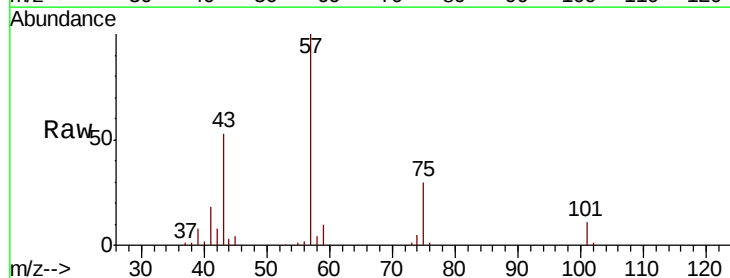
Tgt Ion: 75 Resp: 44400

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

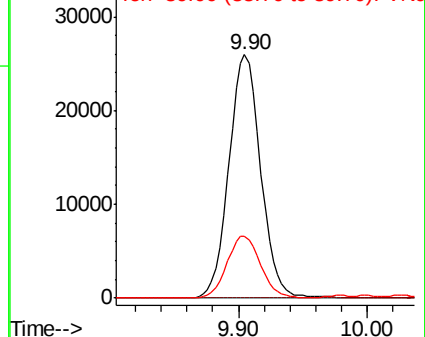
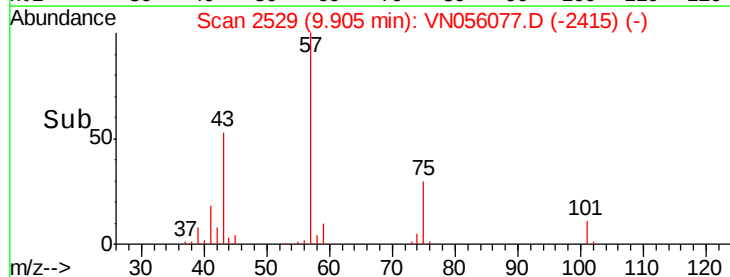
39 25.5 36.3 54.5#

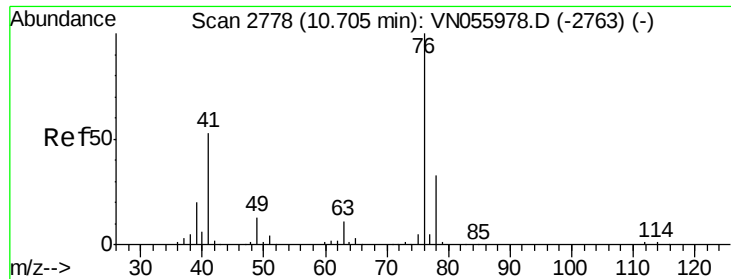


Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN055978.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN055978.D (-2493) (-)





#57

1,3-Dichloropropane

Concen: 1.759 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN056077.D

Acq: 7 Jun 2019 5:09

Instrument :

MSVOA_N

ClientSampleId :

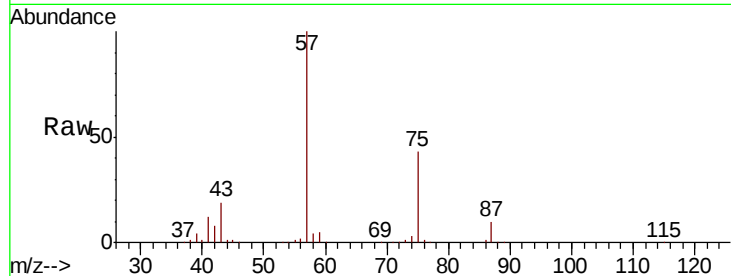
HR-05-060519-C

Tot Ion: 76 Resp: 9372

Ion Ratio Lower Upper

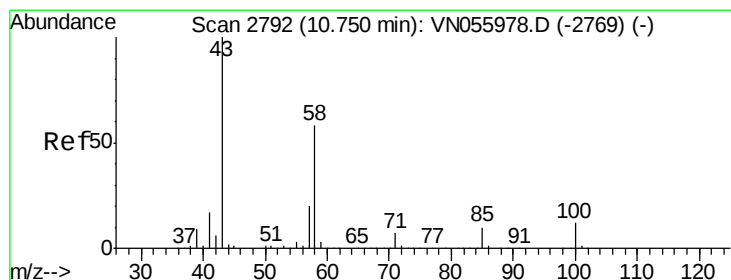
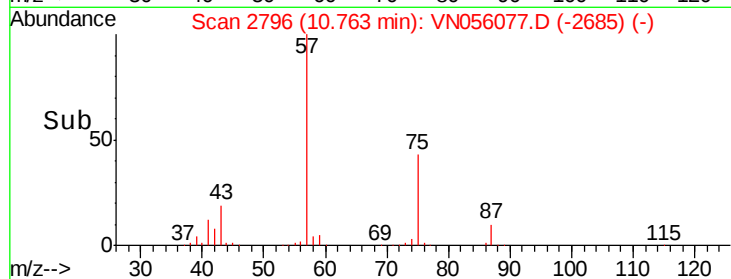
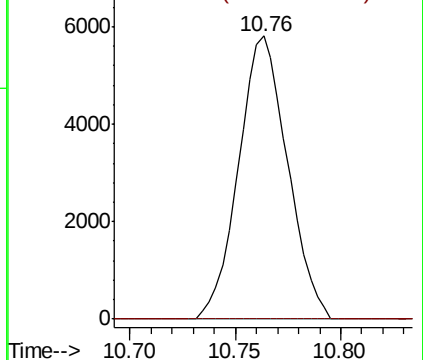
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 42.101 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN056077.D

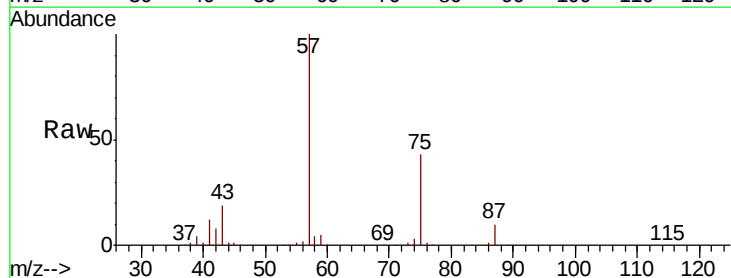
Acq: 7 Jun 2019 5:09

Tgt Ion: 43 Resp: 120421

Ion Ratio Lower Upper

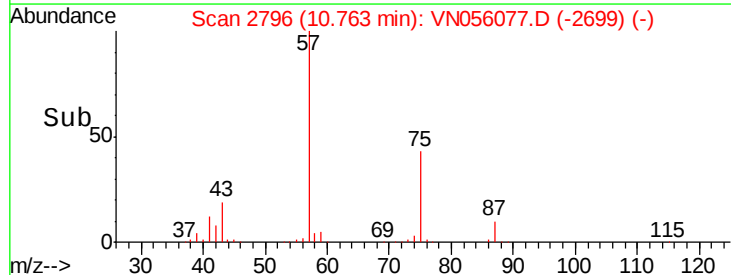
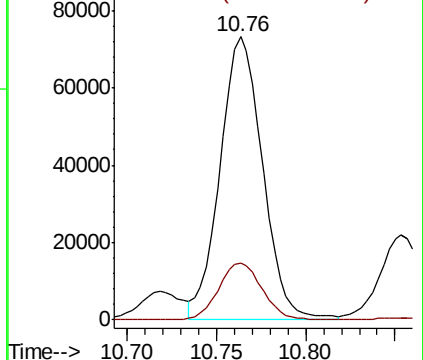
43 100

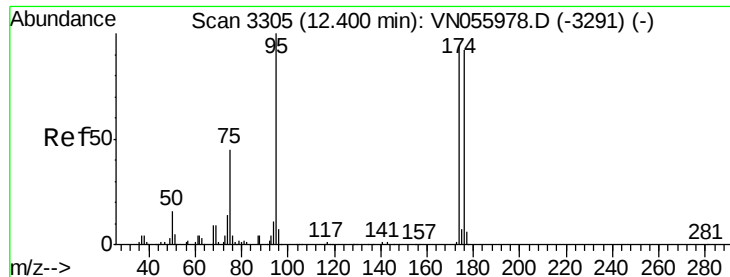
58 20.7 28.2 84.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

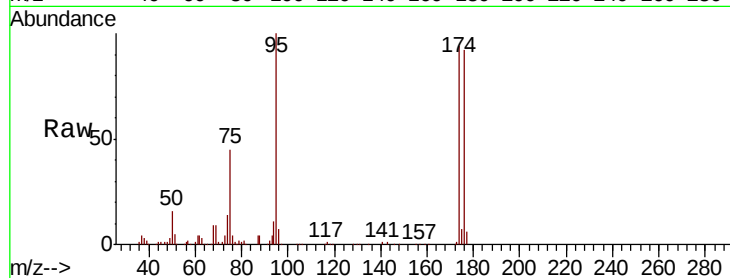




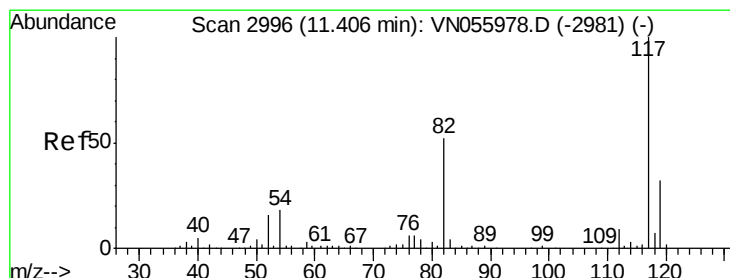
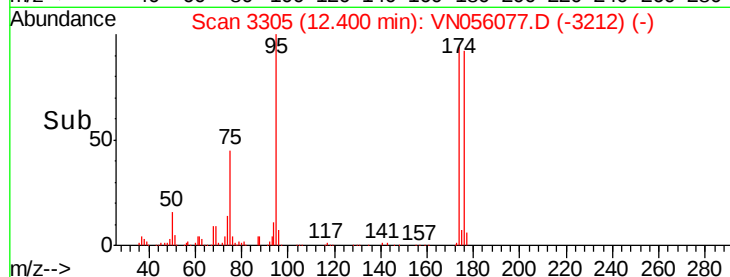
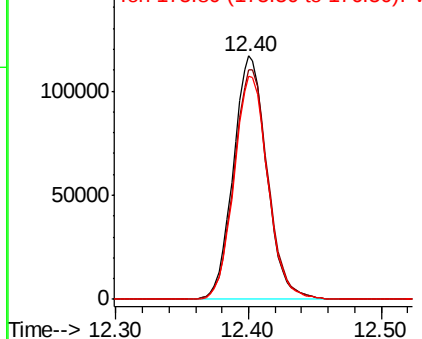
#62
4-Bromofluorobenzene
Concen: 49.819 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056077.D
Acq: 7 Jun 2019 5:09

Instrument :
MSVOA_N
ClientSampleId :
HR-05-060519-C

Tot Ion	95	Resp	203603
Ion Ratio	Lower	Upper	
95	100		
174	96.5	0.0	191.0
176	92.7	0.0	185.2

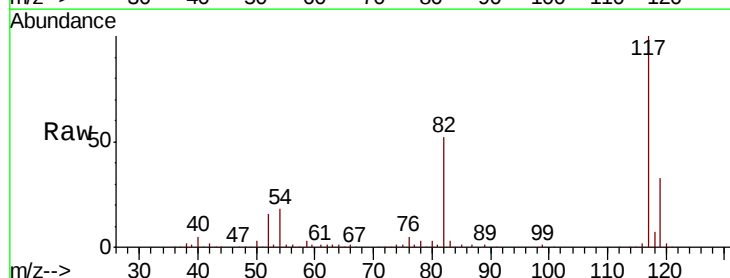


Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

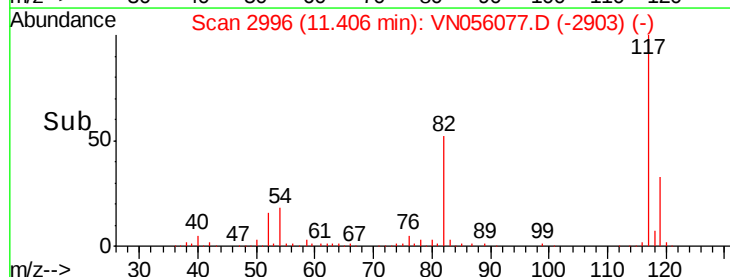
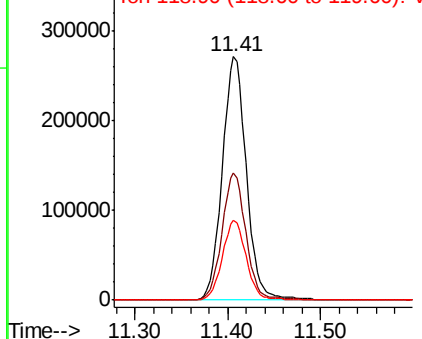


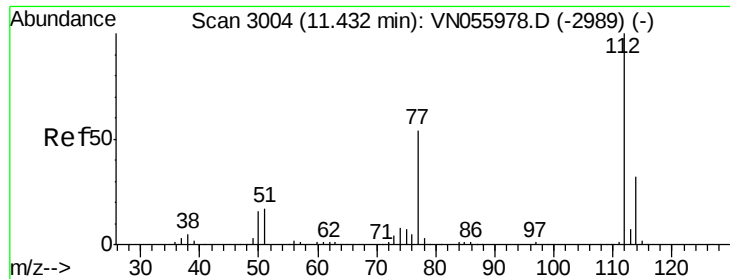
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056077.D
Acq: 7 Jun 2019 5:09

Tgt Ion	117	Resp	489181
Ion Ratio	Lower	Upper	
117	100		
82	52.3	41.8	62.8
119	32.5	25.4	38.0



Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

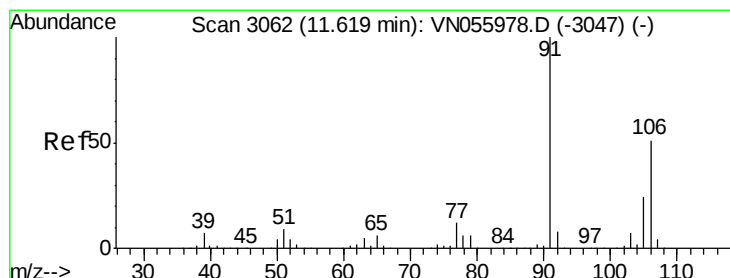
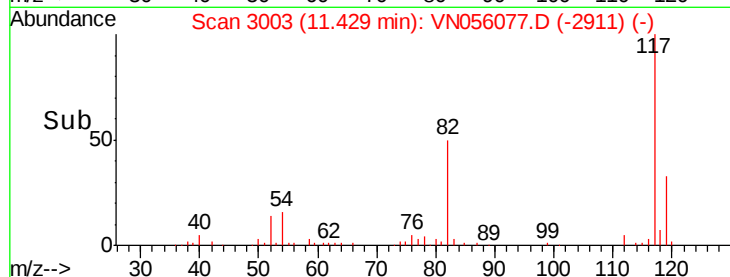
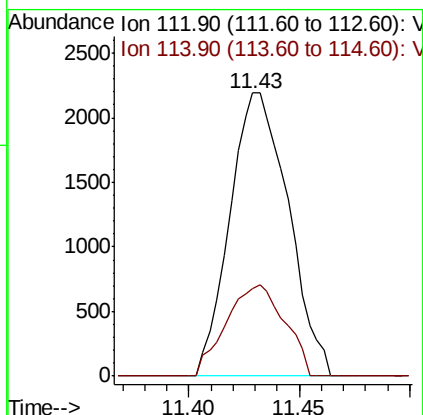
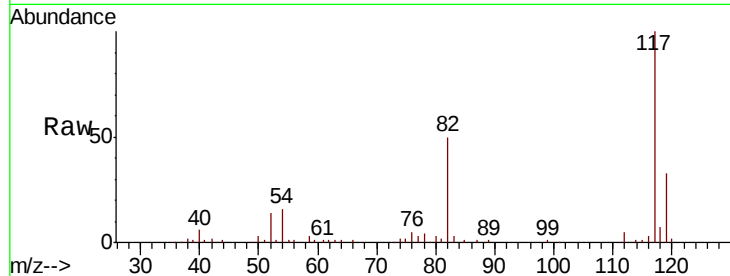




#65
Chlorobenzene
Concen: 0.413 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN056077.D
Acq: 7 Jun 2019 5:09

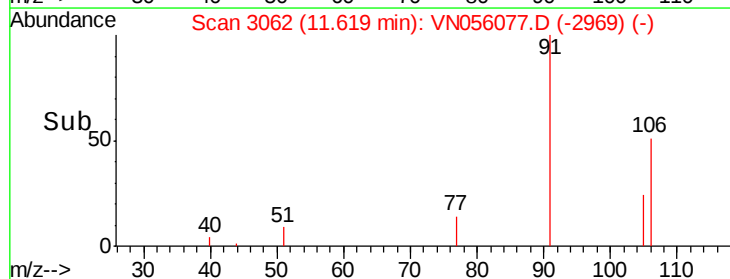
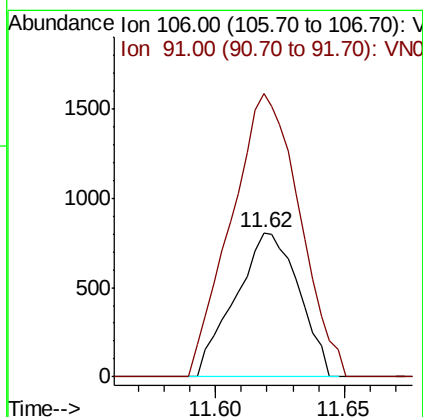
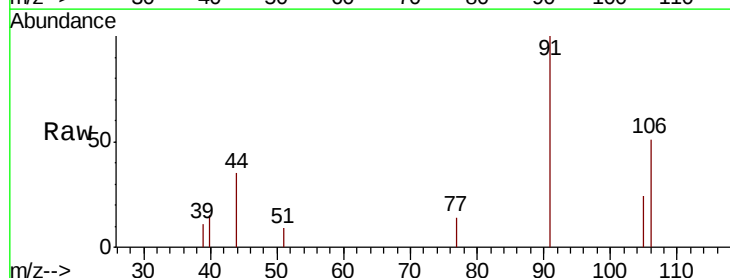
Instrument :
MSVOA_N
ClientSampleId :
HR-05-060519-C

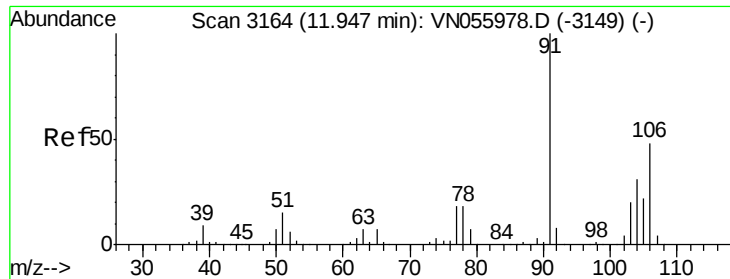
Tot Ion:112 Resp: 4025
Ion Ratio Lower Upper
112 100
114 30.9 26.2 39.4



#68
m/p-Xylenes
Concen: 0.214 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056077.D
Acq: 7 Jun 2019 5:09

Tgt Ion:106 Resp: 1386
Ion Ratio Lower Upper
106 100
91 211.6 159.3 238.9

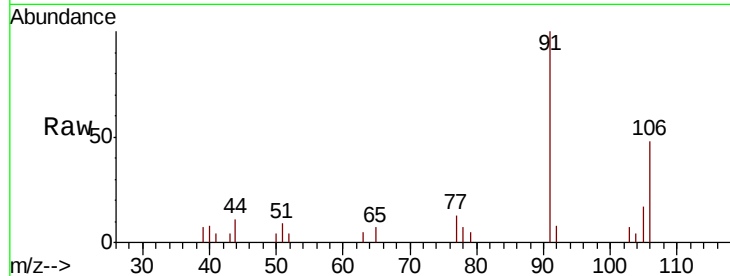




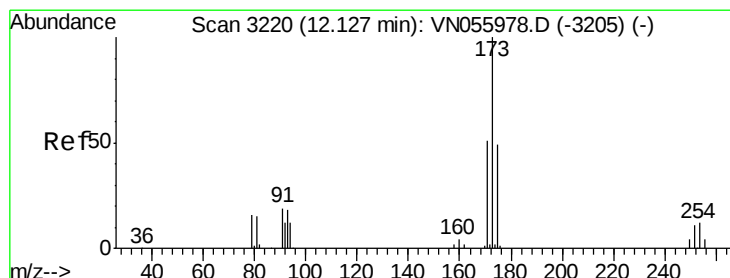
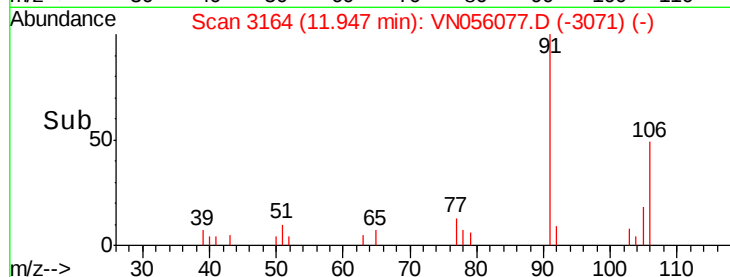
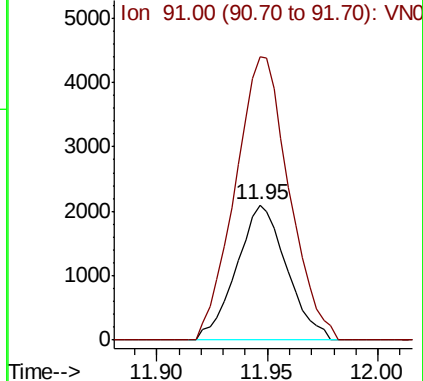
#69
o-Xylene
Concen: 0.519 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056077.D
Acq: 7 Jun 2019 5:09

Instrument :
MSVOA_N
ClientSampleId :
HR-05-060519-C

Tot Ion:106 Resp: 3304
Ion Ratio Lower Upper
106 100
91 225.1 104.7 314.1

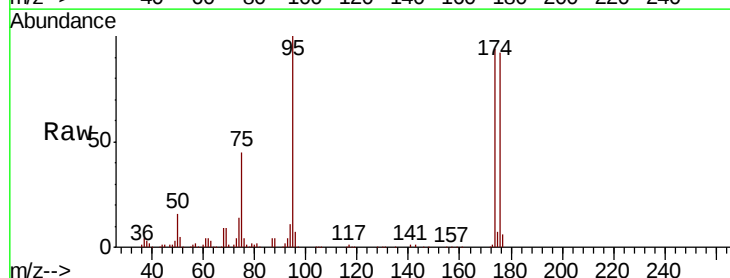


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

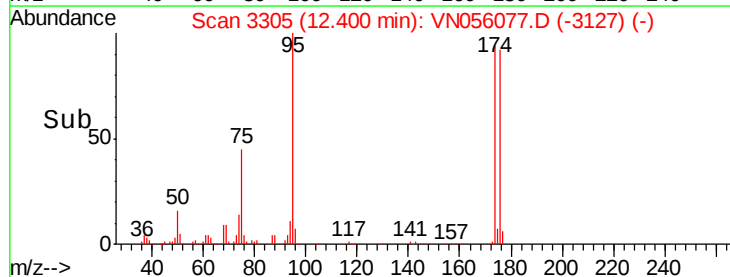
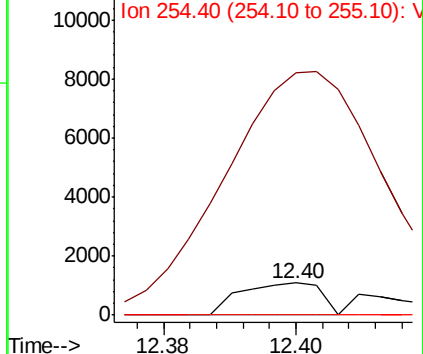


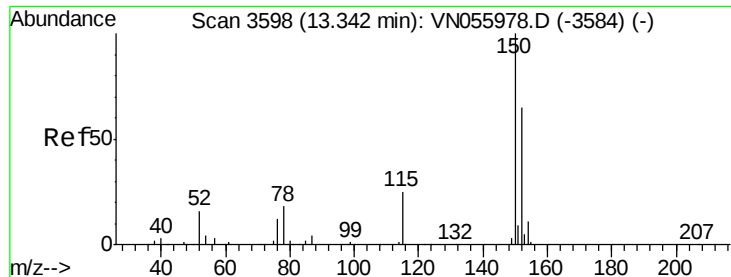
#71
Bromoform
Concen: 3.051 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN056077.D
Acq: 7 Jun 2019 5:09

Tgt Ion:173 Resp: 923
Ion Ratio Lower Upper
173 100
175 1342.4 24.3 72.8#
254 0.0 0.0 0.0



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: VN056077.D

Acq: 7 Jun 2019 5:09

Instrument :

MSVOA_N

ClientSampleId :

HR-05-060519-C

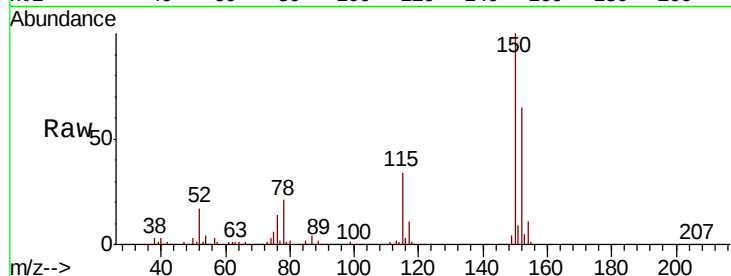
Tot Ion:152 Resp: 174027

Ion Ratio Lower Upper

152 100

115 54.2 27.0 81.0

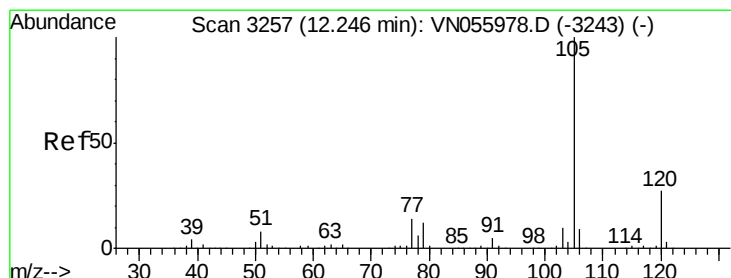
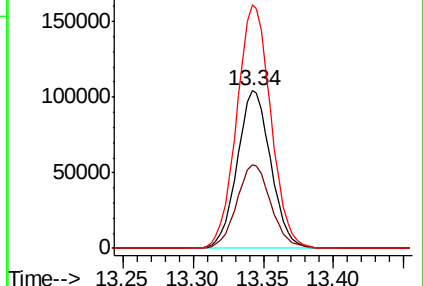
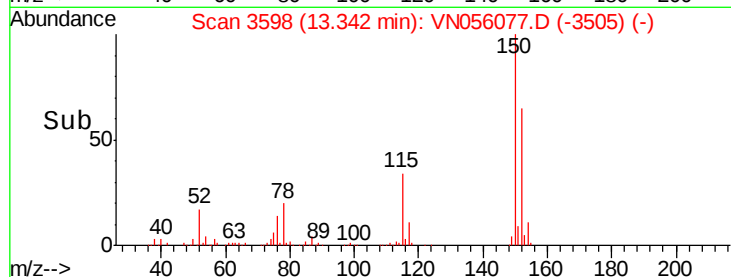
150 156.8 0.0 343.2



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# 3258

Delta R.T. 0.00 min

Lab File: VN056077.D

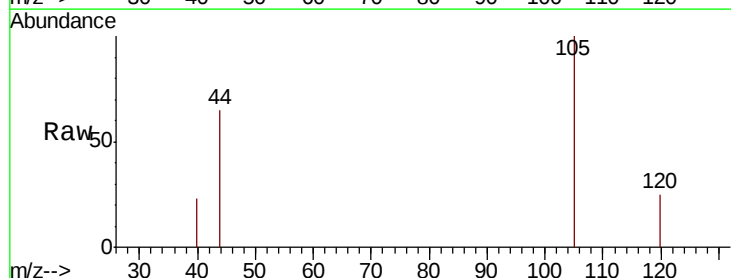
Acq: 7 Jun 2019 5:09

Tgt Ion:105 Resp: 1213

Ion Ratio Lower Upper

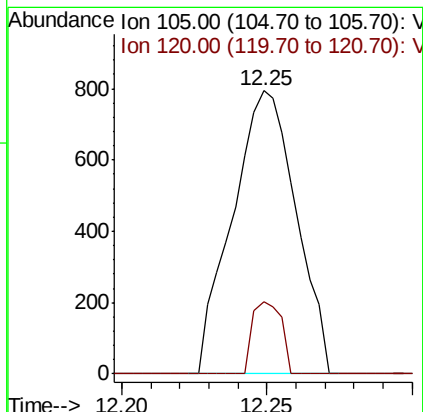
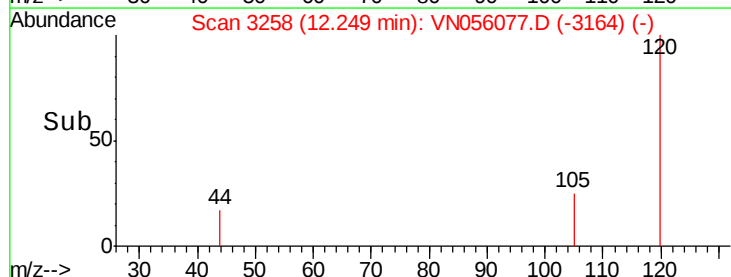
105 100

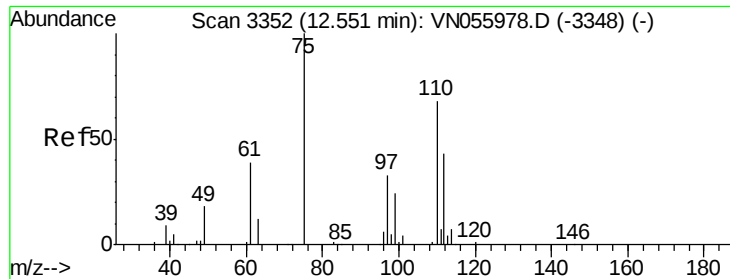
120 11.5 13.6 40.7#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 28.991 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056077.D

Acq: 7 Jun 2019 5:09

Instrument :

MSVOA_N

ClientSampleId :

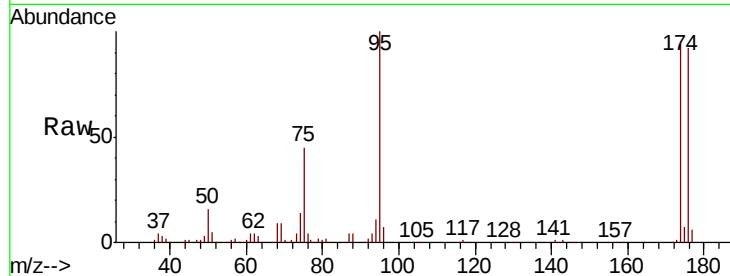
HR-05-060519-C

Tot Ion: 75 Resp: 92834

Ion Ratio Lower Upper

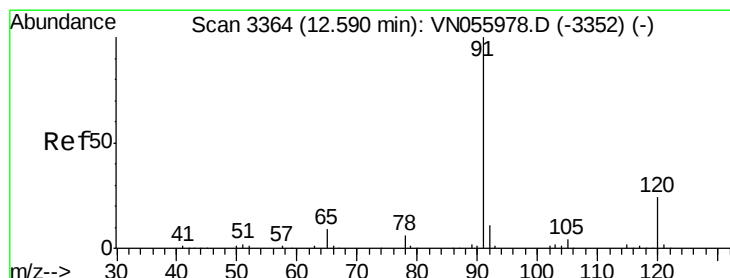
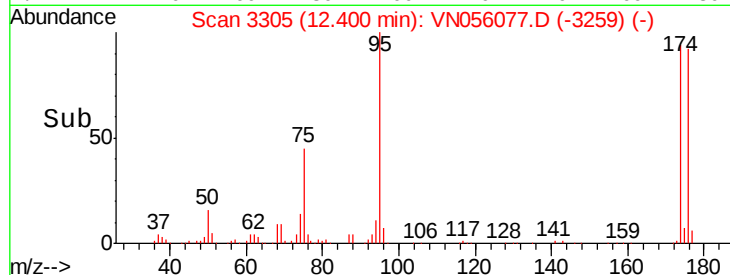
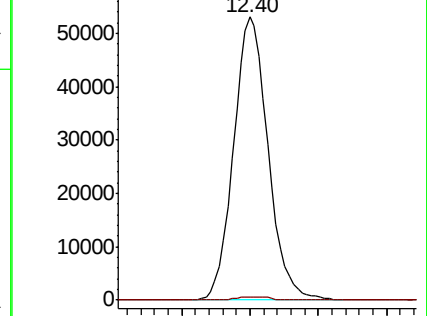
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-3348) (-)



#78

n-propylbenzene

Concen: 0.217 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN056077.D

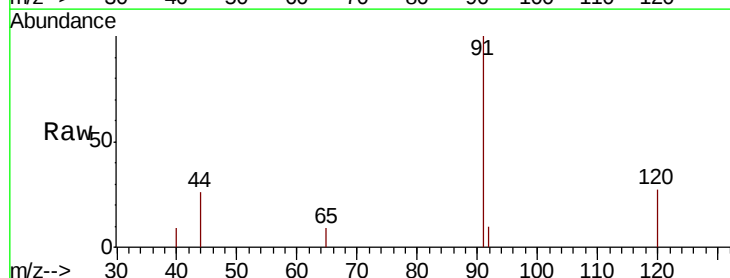
Acq: 7 Jun 2019 5:09

Tgt Ion: 91 Resp: 3194

Ion Ratio Lower Upper

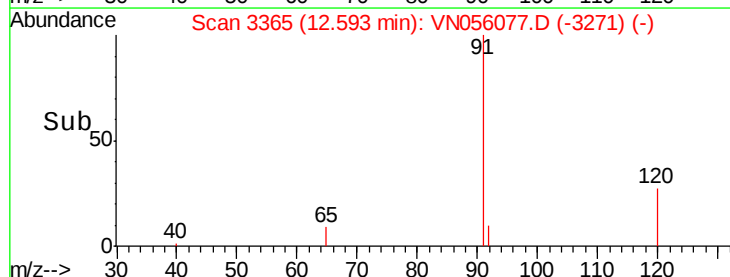
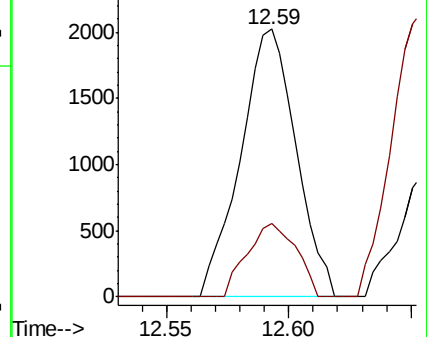
91 100

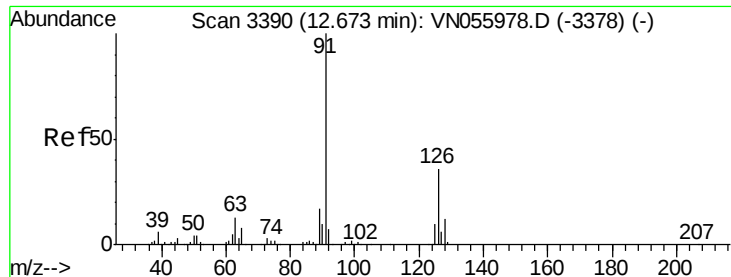
120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3352) (-)





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN056077.D

Acq: 7 Jun 2019 5:09

Instrument :

MSVOA_N

ClientSampled :

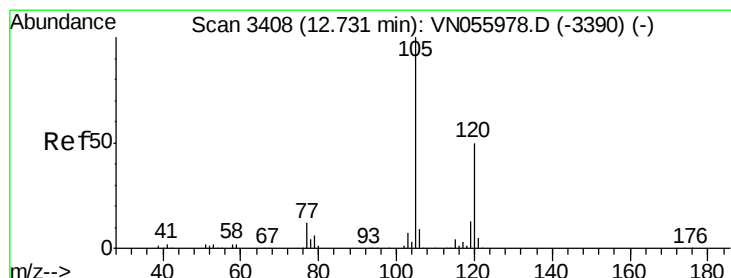
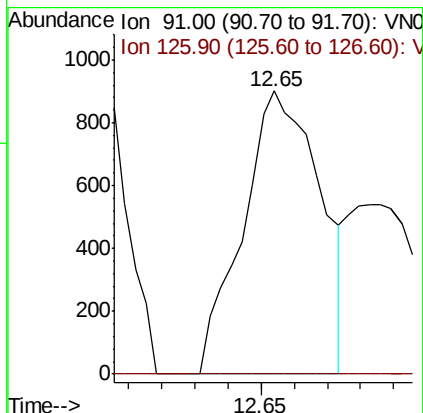
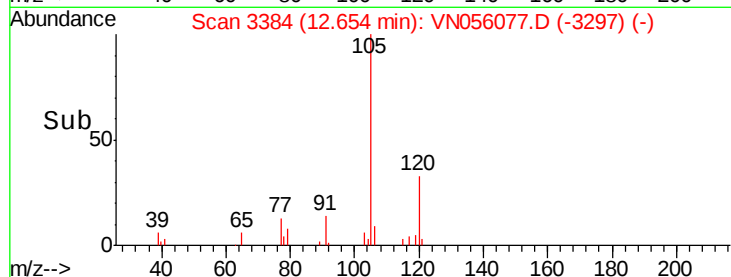
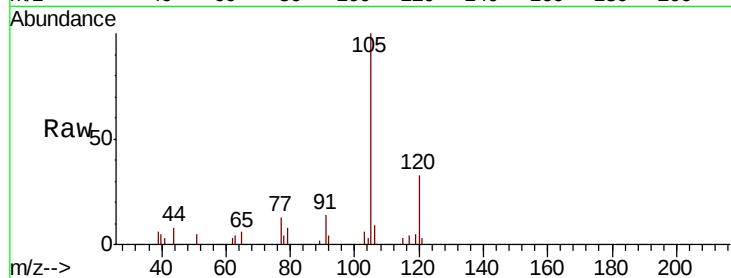
HR-05-060519-C

Tot Ion: 91 Resp: 1461

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#80

1,3,5-Trimethylbenzene

Concen: 1.506 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056077.D

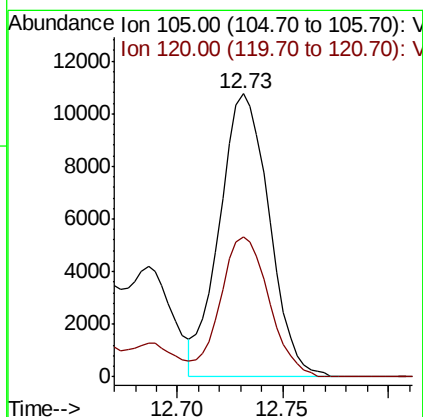
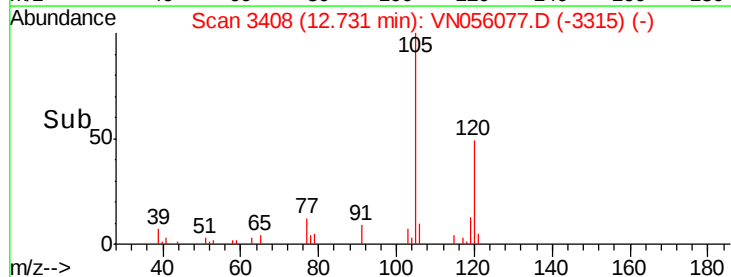
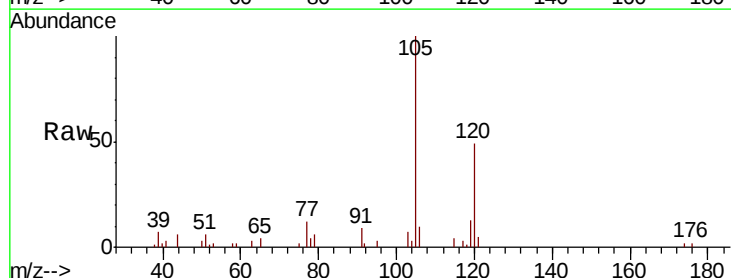
Acq: 7 Jun 2019 5:09

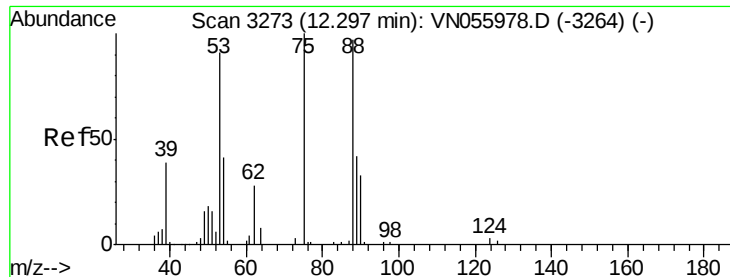
Tgt Ion:105 Resp: 17627

Ion Ratio Lower Upper

105 100

120 48.5 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 96.545 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056077.D

Acq: 7 Jun 2019 5:09

Instrument :

MSVOA_N

ClientSampled :

HR-05-060519-C

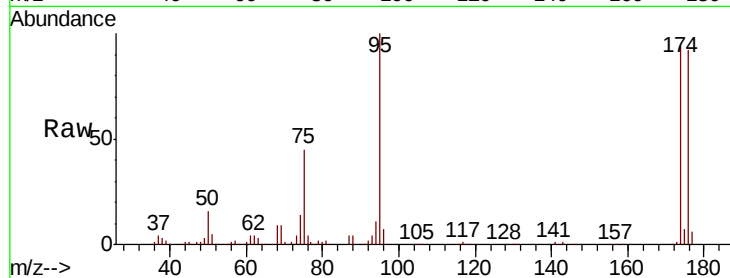
Tot Ion: 75 Resp: 92834

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

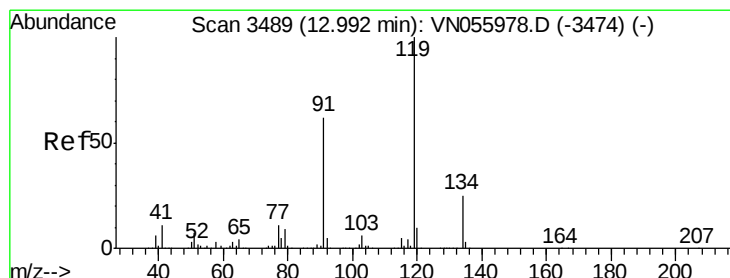
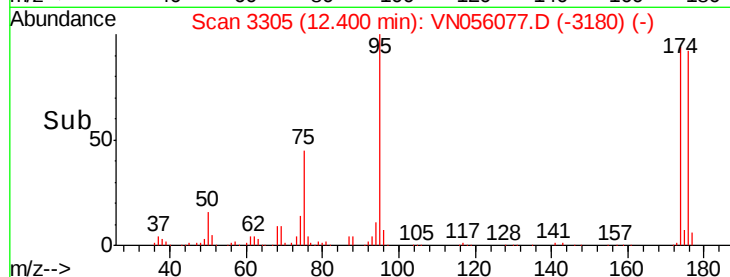
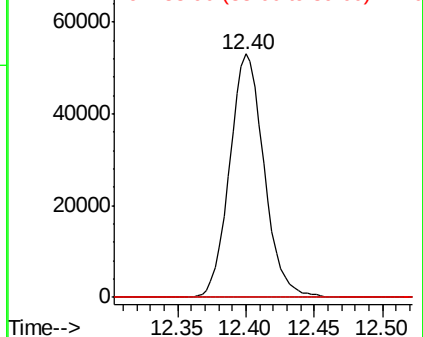
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055978.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055978.D (-3264) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056077.D

Acq: 7 Jun 2019 5:09

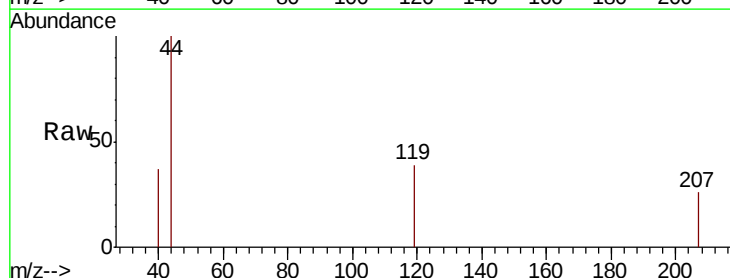
Tgt Ion: 119 Resp: 231

Ion Ratio Lower Upper

119 100

91 0.0 30.9 92.8#

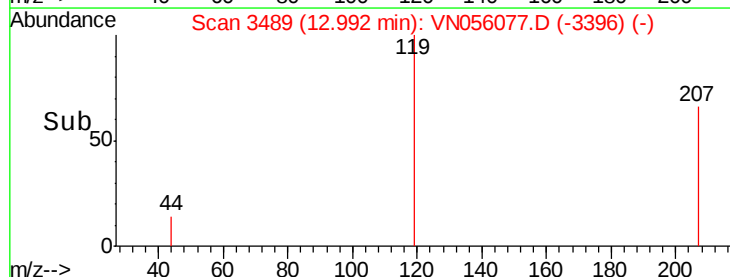
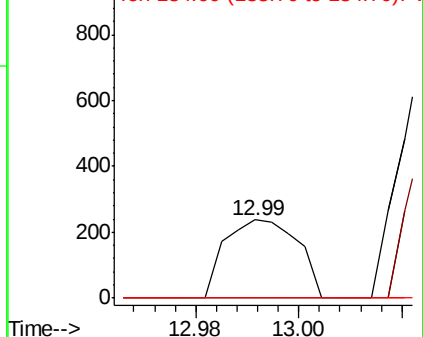
134 0.0 13.3 39.8#

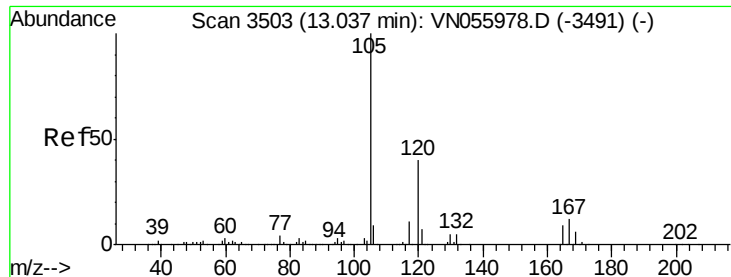


Abundance Ion 119.00 (118.70 to 119.70): VN055978.D (-3474) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-3474) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3474) (-)

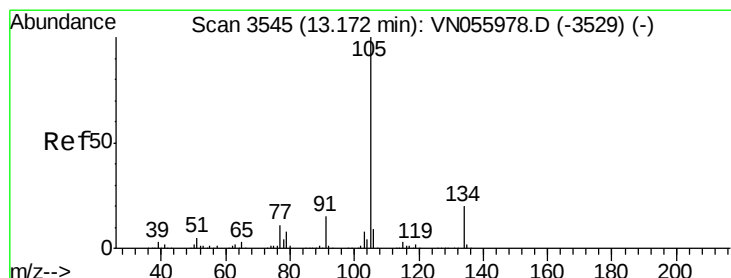
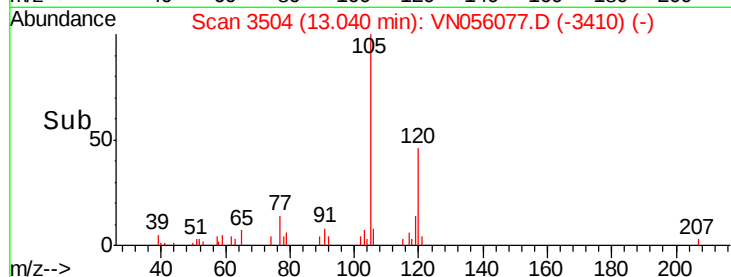
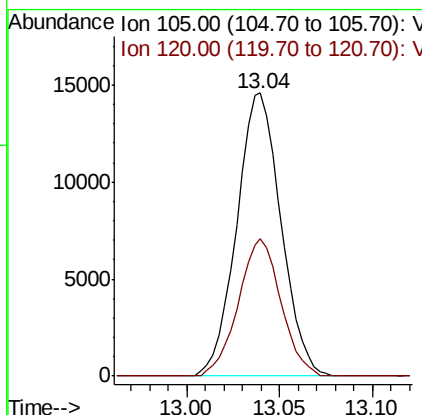
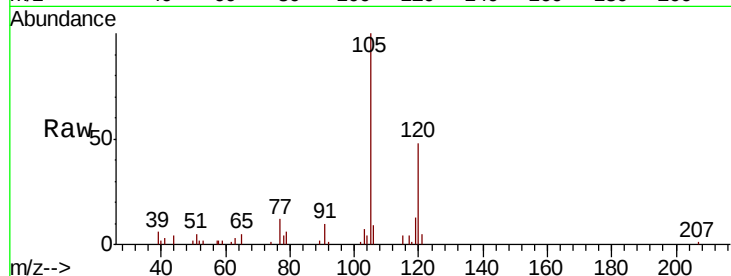




#84
 1,2,4-Trimethylbenzene
 Concen: 2.173 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056077.D
 Acq: 7 Jun 2019 5:09

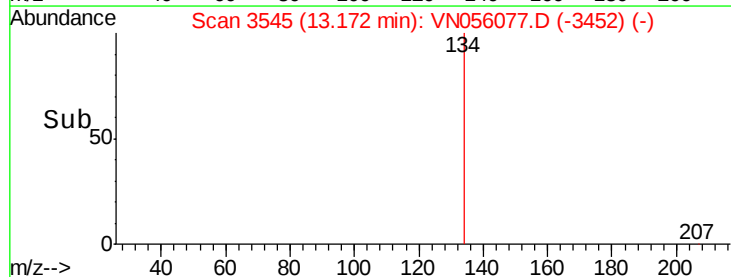
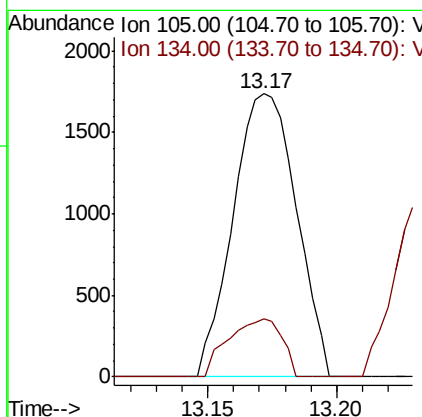
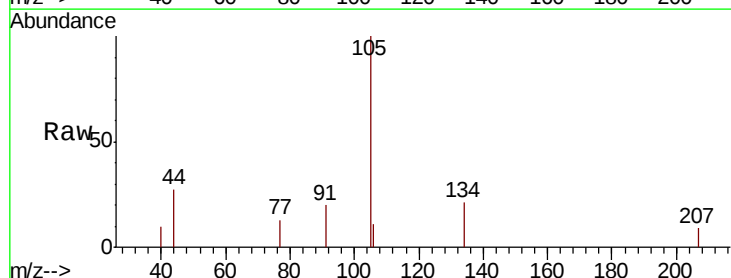
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-05-060519-C

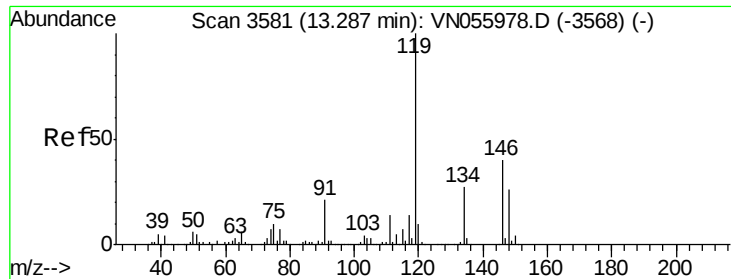
Tot Ion:105 Resp: 24117
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.0 69.0



#85
 sec-Butylbenzene
 Concen: 0.227 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056077.D
 Acq: 7 Jun 2019 5:09

Tgt Ion:105 Resp: 2966
 Ion Ratio Lower Upper
 105 100
 134 17.4 10.4 31.2

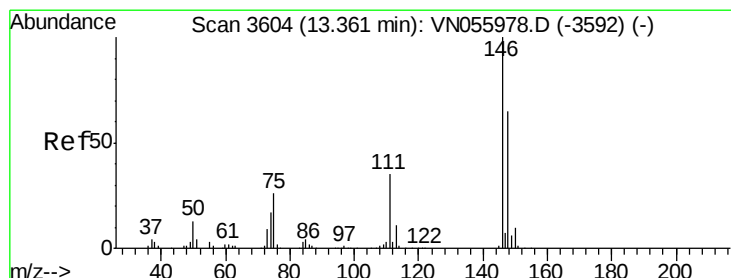
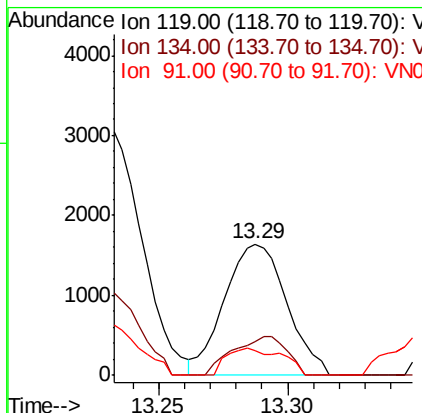
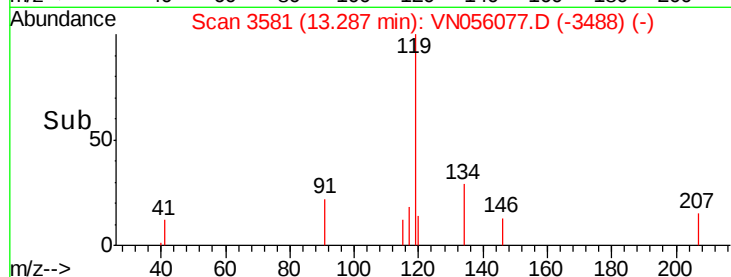
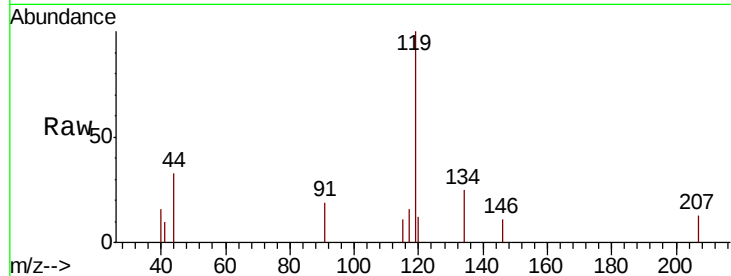




#86
 p-Isopropyltoluene
 Concen: 0.238 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056077.D
 Acq: 7 Jun 2019 5:09

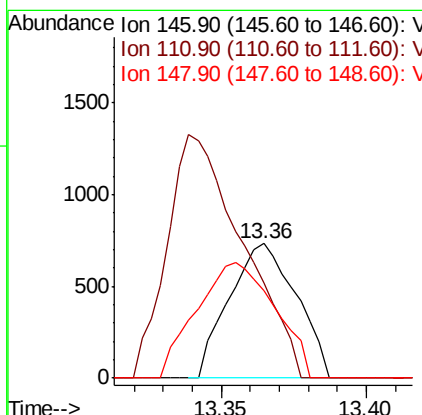
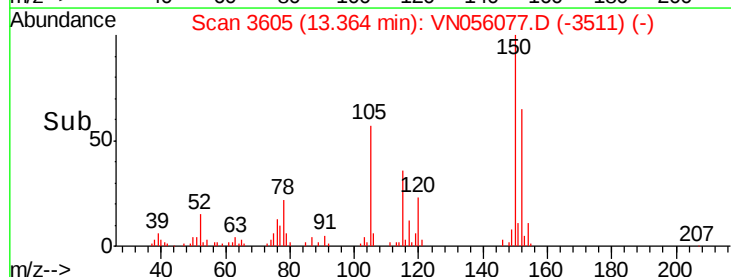
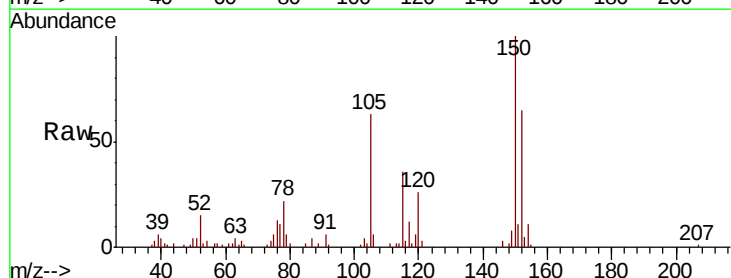
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-05-060519-C

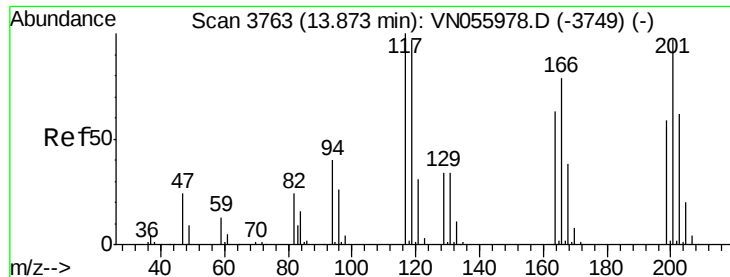
Tot Ion:119 Resp: 2775
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.4 40.1
 91 18.5 10.9 32.9



#88
 1,4-Dichlorobenzene
 Concen: 0.212 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056077.D
 Acq: 7 Jun 2019 5:09

Tgt Ion:146 Resp: 1177
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.1 54.4#
 148 100.4 32.1 96.5#





#90

Hexachloroethane

Concen: 0.805 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN056077.D

Acq: 7 Jun 2019 5:09

Instrument :

MSVOA_N

ClientSampleId :

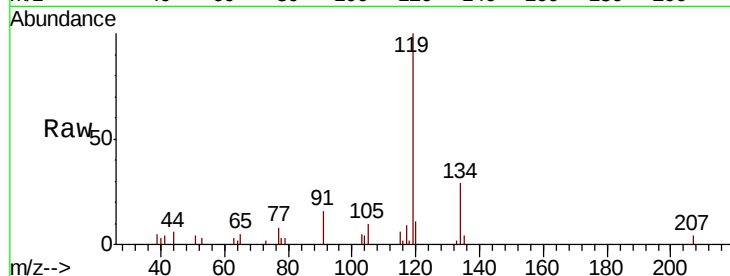
HR-05-060519-C

Tot Ion:117 Resp: 1416

Ion Ratio Lower Upper

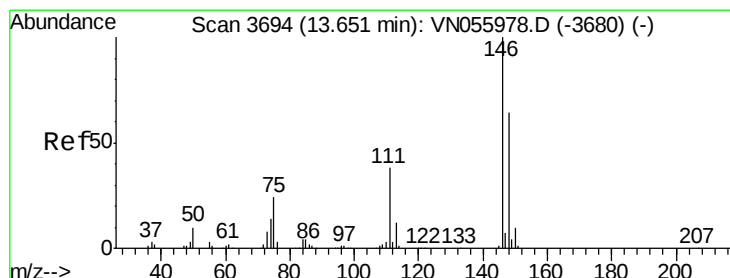
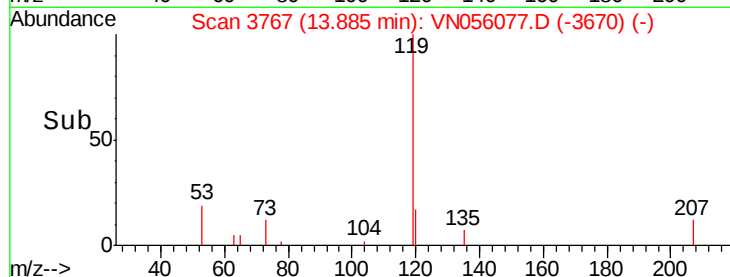
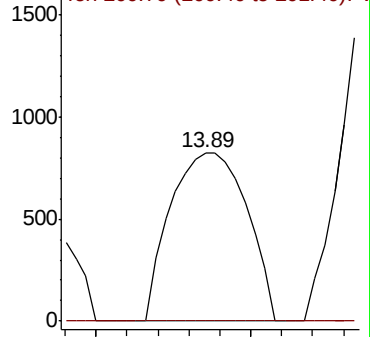
117 100

201 0.0 50.0 150.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.309 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.01 min

Lab File: VN056077.D

Acq: 7 Jun 2019 5:09

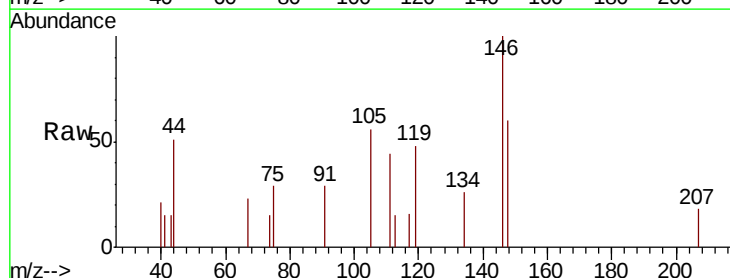
Tgt Ion:146 Resp: 1800

Ion Ratio Lower Upper

146 100

111 34.7 19.1 57.5

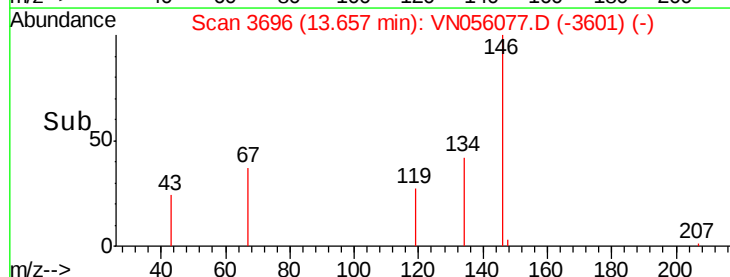
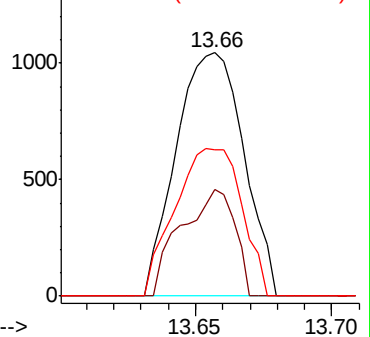
148 59.9 31.9 95.9

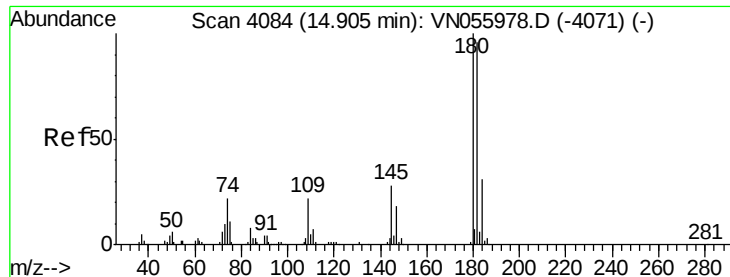


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

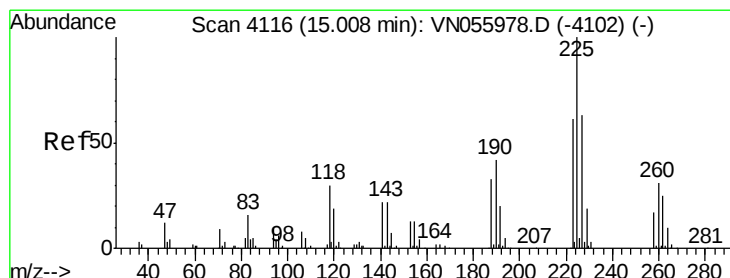
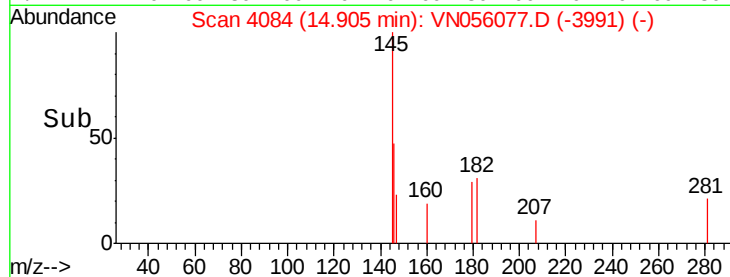
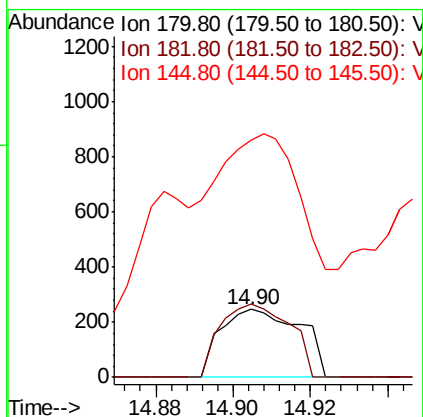
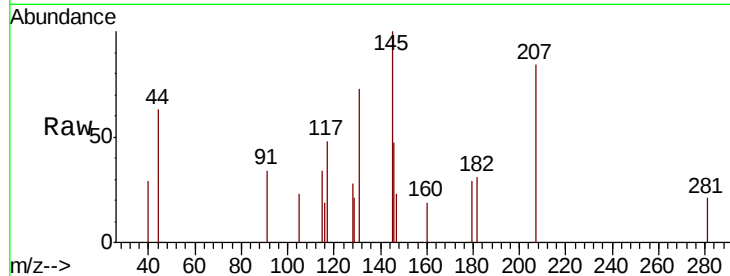




#93
 1,2,4-Trichlorobenzene
 Concen: 4.371 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056077.D
 Acq: 7 Jun 2019 5:09

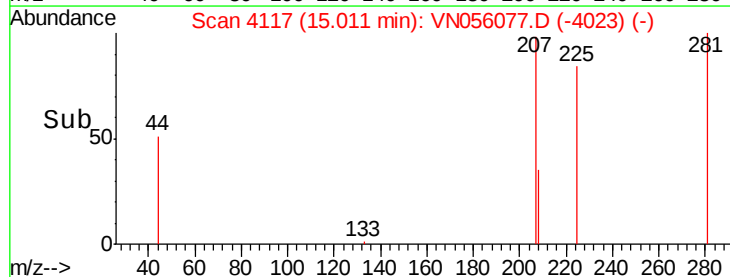
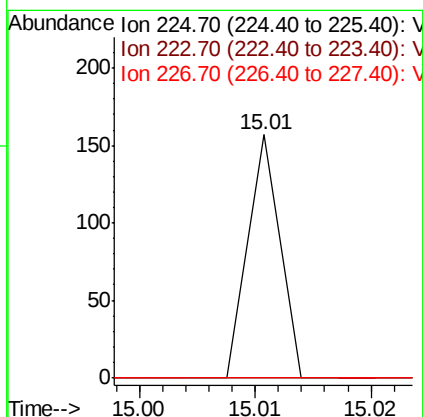
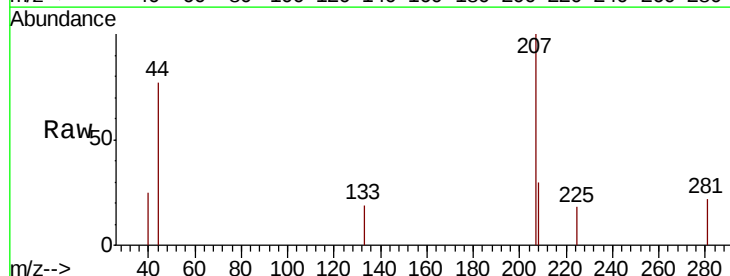
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-05-060519-C

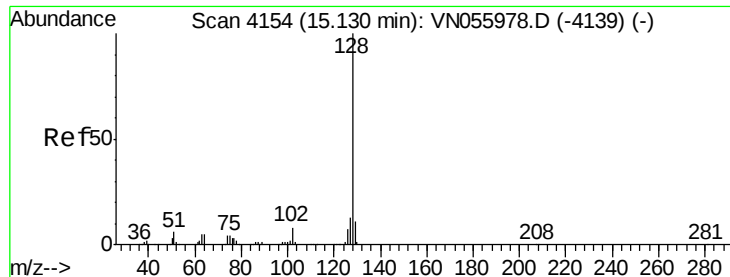
Tot Ion:180 Resp: 356
 Ion Ratio Lower Upper
 180 100
 182 93.3 48.3 144.9
 145 415.2 14.0 41.9#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN056077.D
 Acq: 7 Jun 2019 5:09

Tgt Ion:225 Resp: 30
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.9 92.7#
 227 0.0 31.6 94.7#





#95

Naphthalene

Concen: 4.485 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056077.D

Acq: 7 Jun 2019 5:09

Instrument :

MSVOA_N

ClientSampleId :

HR-05-060519-C

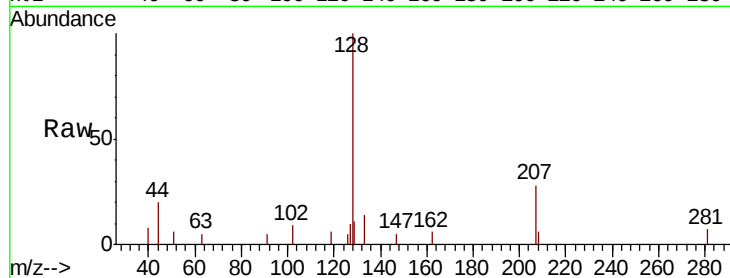
Tot Ion:128 Resp: 5719

Ion Ratio Lower Upper

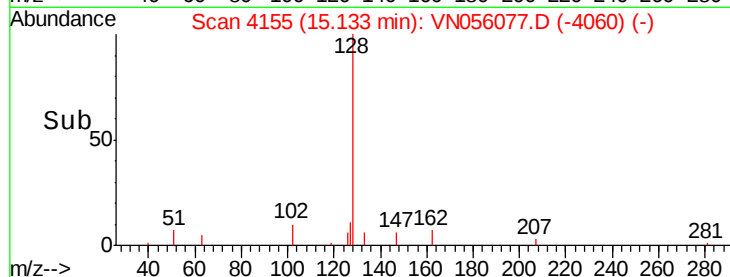
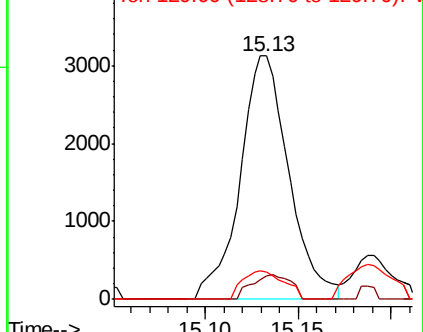
128 100

127 8.1 10.3 15.5#

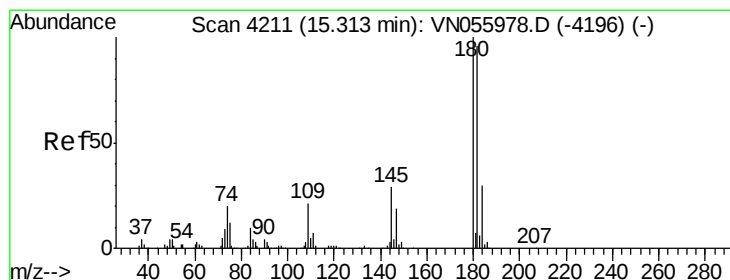
129 9.9 8.7 13.1



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



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 3.136 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056077.D

Acq: 7 Jun 2019 5:09

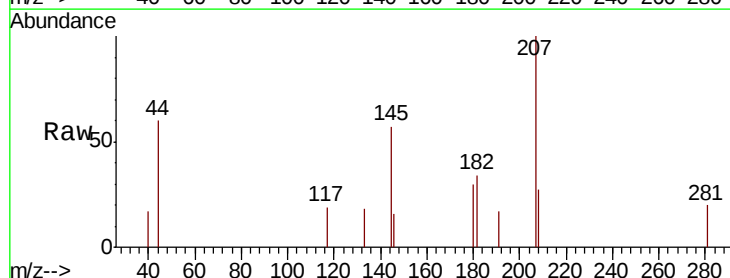
Tgt Ion:180 Resp: 366

Ion Ratio Lower Upper

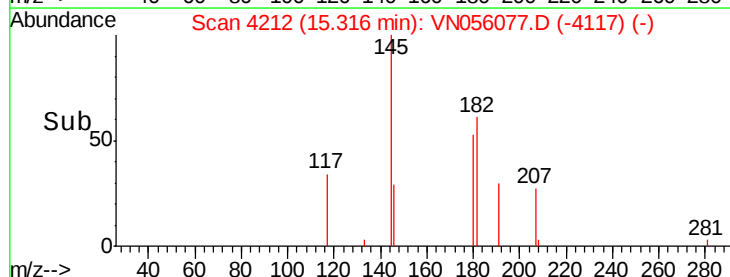
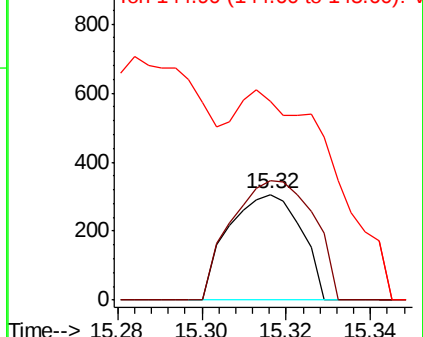
180 100

182 128.4 47.9 143.7

145 0.0 14.9 44.7#



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



Time-->