

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061019\
 Data File : VN056179.D
 Acq On : 10 Jun 2019 19:09
 Operator : JC/SP
 Sample : K3280-09MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:59:45 AM

Quant Time: Jun 11 04:28:17 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	279567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	405463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	370364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	163733	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	143724	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	7.59	113	132319	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
50) Toluene-d8	10.09	98	486624	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.40	95	163252	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	144625	47.110	ug/l	99
3) Chloromethane	2.06	50	152085	50.184	ug/l	99
4) Vinyl Chloride	2.18	62	153312	50.433	ug/l	98
5) Bromomethane	2.52	94	84876	44.200	ug/l	98
6) Chloroethane	2.67	64	79367	45.030	ug/l	100
7) Trichlorofluoromethane	3.00	101	195826	50.461	ug/l	100
8) Diethyl Ether	3.40	74	76635	48.020	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	122893	52.131	ug/l	99
10) Methyl Iodide	3.94	142	180614	48.212	ug/l	100
11) Tert butyl alcohol	4.82	59	124783	258.317	ug/l	100
12) 1,1-Dichloroethene	3.72	96	119820	51.054	ug/l	98
13) Acrolein	3.60	56	42137	302.451	ug/l	97
14) Allyl chloride	4.31	41	187821	50.681	ug/l	99
15) Acrylonitrile	4.99	53	344774	293.199	ug/l	100
16) Acetone	3.82	43	276200	208.043	ug/l	100
17) Carbon Disulfide	4.03	76	264658	47.097	ug/l	100
18) Methyl Acetate	4.32	43	147182	56.514	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	390588	52.211	ug/l	99
20) Methylene Chloride	4.54	84	141382	51.690	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	126624	50.355	ug/l	99
22) Diisopropyl ether	5.95	45	401121	52.361	ug/l	99
23) Vinyl Acetate	5.90	43	1540081	255.285	ug/l	100
24) 1,1-Dichloroethane	5.84	63	235731	53.345	ug/l	100
25) 2-Butanone	6.84	43	454153	270.749	ug/l	99
26) 2,2-Dichloropropane	6.82	77	142507	41.328	ug/l	96
27) cis-1,2-Dichloroethene	6.82	96	151780	51.348	ug/l	97
28) Bromochloromethane	7.19	49	114150	54.624	ug/l	99
29) Tetrahydrofuran	7.22	42	302230	291.485	ug/l	100
30) Chloroform	7.37	83	236795	53.268	ug/l	99
31) Cyclohexane	7.65	56	205087	46.561	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	196079	52.821	ug/l	99
36) 1,1-Dichloropropene	7.79	75	168672	48.380	ug/l	99
37) Ethyl Acetate	6.93	43	168481	54.312	ug/l	100
38) Carbon Tetrachloride	7.77	117	167250	52.033	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	202834	46.703	ug/l	99
40) Benzene	8.04	78	550079	51.948	ug/l	99
41) Methacrylonitrile	7.18	41	85265	59.741	ug/l	96
42) 1,2-Dichloroethane	8.12	62	176005	51.673	ug/l	100
43) Isopropyl Acetate	8.17	43	261891	52.099	ug/l	93
44) Trichloroethene	8.83	130	154457	50.762	ug/l	97
45) 1,2-Dichloropropane	9.12	63	143113	52.764	ug/l	98
46) Dibromomethane	9.21	93	96637	54.485	ug/l	99
47) Bromodichloromethane	9.40	83	177538	55.229	ug/l	100
48) Methyl methacrylate	9.20	41	137750	56.013	ug/l	97
49) 1,4-Dioxane	9.20	88	60788	1144.948	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	889635	283.007	ug/l	100
52) Toluene	10.16	92	344969	52.354	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	176911	47.087	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	204044	52.807	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	142790	54.707	ug/l	99
56) Ethyl methacrylate	10.43	69	208213	54.681	ug/l	98
57) 1,3-Dichloropropane	10.71	76	230516	54.328	ug/l	99
59) 2-Hexanone	10.75	43	611455	268.377	ug/l	100
60) Dibromochloromethane	10.90	129	151027	52.344	ug/l	99
61) 1,2-Dibromoethane	11.00	107	147143	55.145	ug/l	99
64) Tetrachloroethene	10.63	164	152209	47.478	ug/l	98
65) Chlorobenzene	11.43	112	369574	50.139	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	138275	54.330	ug/l	99
67) Ethyl Benzene	11.51	91	639922	49.928	ug/l	99
68) m/p-Xylenes	11.62	106	491095	100.301	ug/l	99
69) o-Xylene	11.95	106	242733	50.399	ug/l	98
70) Stvrene	11.96	104	401223	52.432	ug/l	100
71) Bromoform	12.13	173	108512	50.740	ug/l	# 100
73) Isopropylbenzene	12.25	105	631064	54.279	ug/l	100
74) N-amyl acetate	12.07	43	206827	47.388	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	192986	50.773	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	157387m	52.240	ug/l	
77) Bromobenzene	12.53	156	172659	49.254	ug/l	95
78) n-propylbenzene	12.59	91	668851	48.287	ug/l	99
79) 2-Chlorotoluene	12.67	91	409018	53.394	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	515632	46.838	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45382	50.164	ug/l	90
82) 4-Chlorotoluene	12.77	91	395192	48.766	ug/l	100
83) tert-Butylbenzene	12.99	119	453123	53.225	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	506988	48.564	ug/l	99
85) sec-Butylbenzene	13.17	105	579779	47.263	ug/l	100
86) p-Isopropyltoluene	13.29	119	521442	47.497	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	269774	49.724	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	260530	49.919	ug/l	98
89) n-Butylbenzene	13.61	91	381426	46.900	ug/l	99
90) Hexachloroethane	13.87	117	86475	52.230	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	271293	49.527	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30709	56.486	ug/l	95
93) 1,2,4-Trichlorobenzene	14.91	180	120834	40.882	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	93932	49.998	ug/l	100
95) Naphthalene	15.13	128	330134	42.759	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	137411	44.992	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:168 Resp: 279567

Ion Ratio Lower Upper

168 100

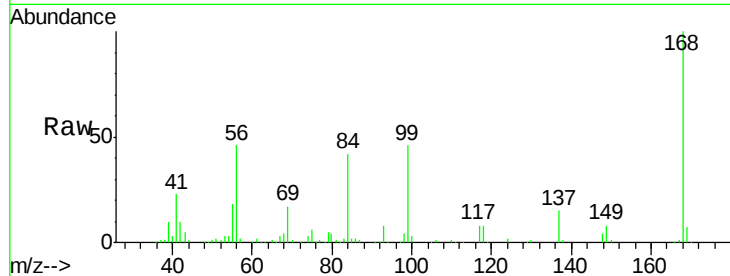
99 44.9 37.2 55.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

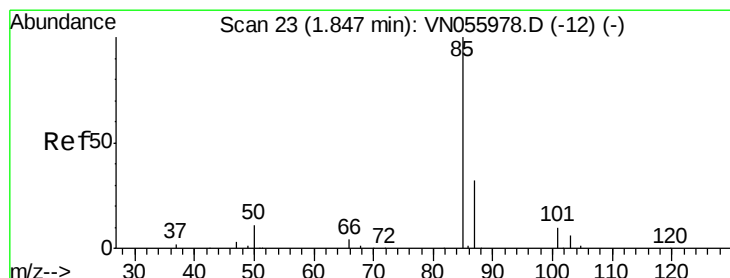
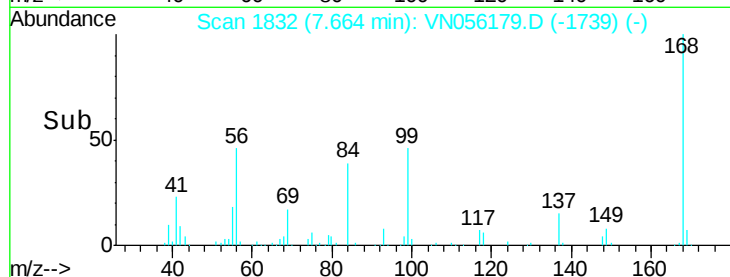
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.110 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056179.D

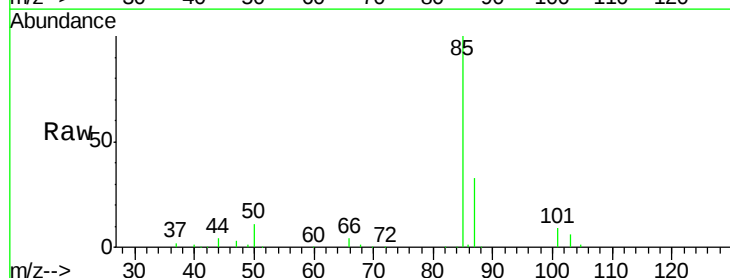
Acq: 10 Jun 2019 19:09

Tgt Ion: 85 Resp: 144625

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

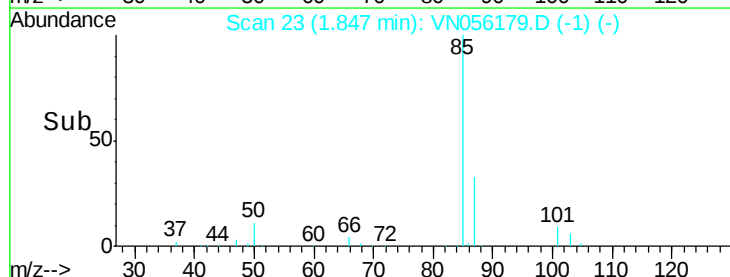
60000

40000

20000

0

Time-->





#3

Chloromethane

Concen: 50.184 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 50 Resp: 152085

Ion Ratio Lower Upper

50 100

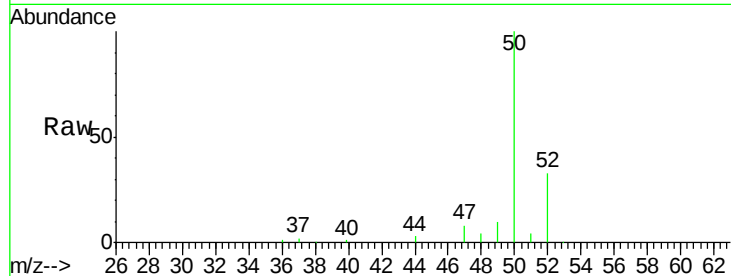
52 33.0 26.6 40.0

Manual Integrations

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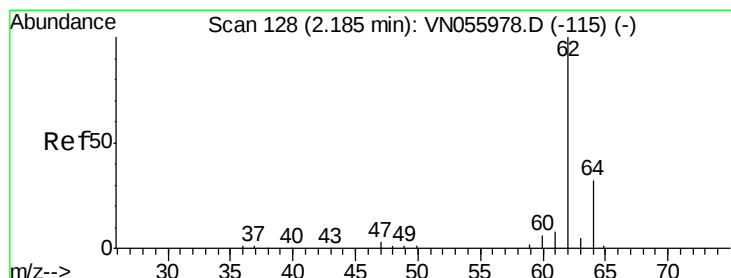
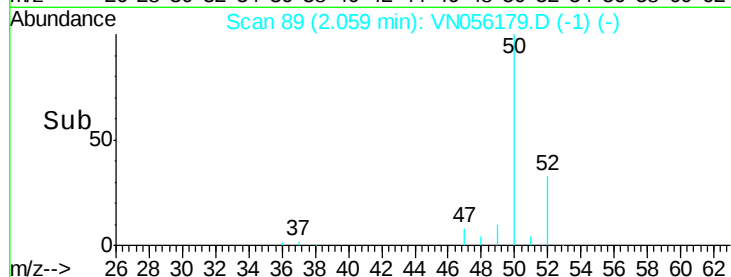
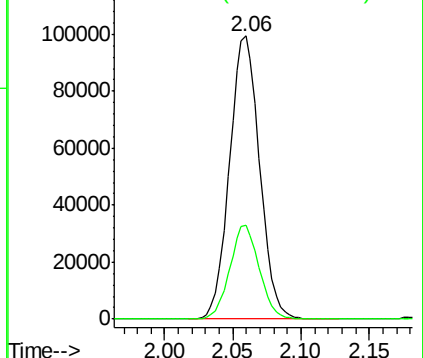
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 50.433 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056179.D

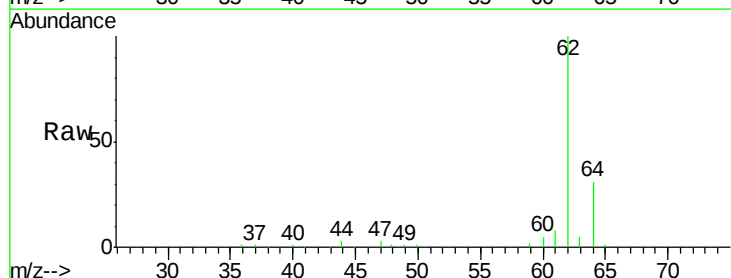
Acq: 10 Jun 2019 19:09

Tgt Ion: 62 Resp: 153312

Ion Ratio Lower Upper

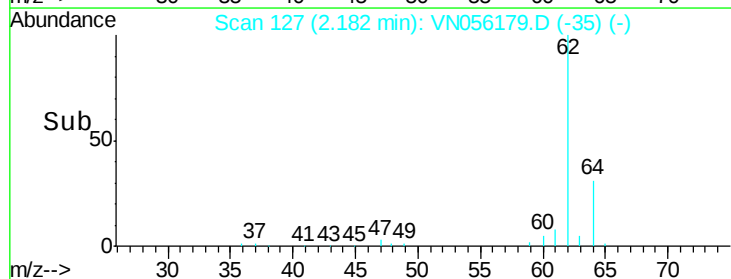
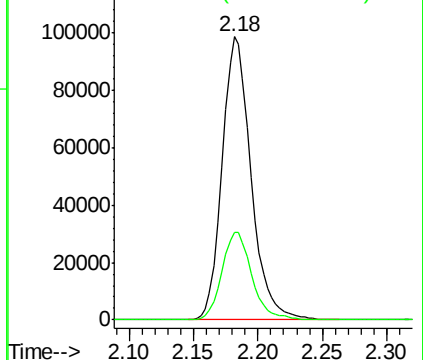
62 100

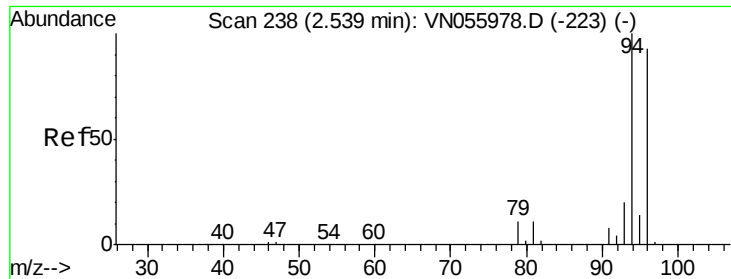
64 31.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 44.200 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.02 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

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ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 94 Resp: 84876

Ion Ratio Lower Upper

94 100

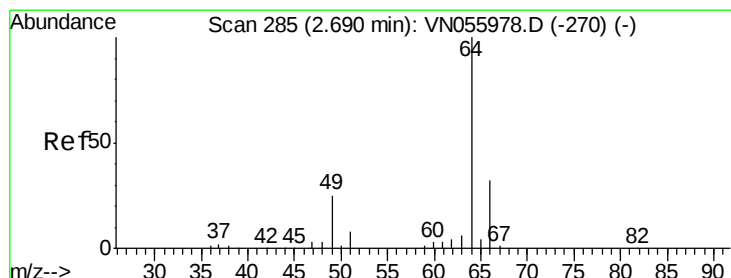
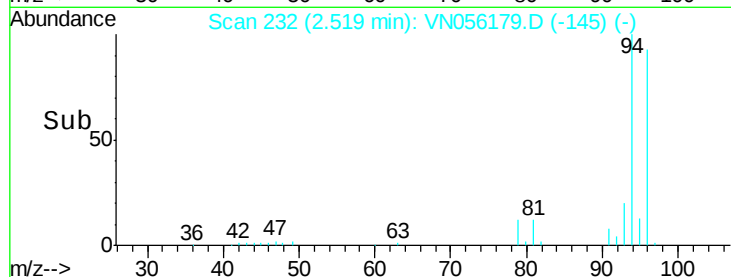
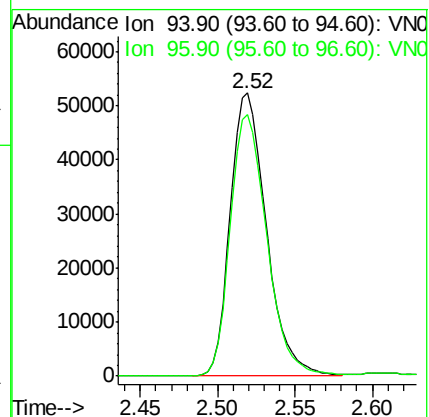
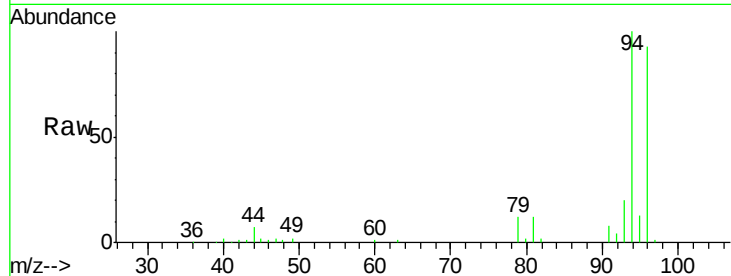
96 92.6 75.5 113.3

Manual Integrations

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6/11/2019 11:59:45 AM



#6

Chloroethane

Concen: 45.030 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.02 min

Lab File: VN056179.D

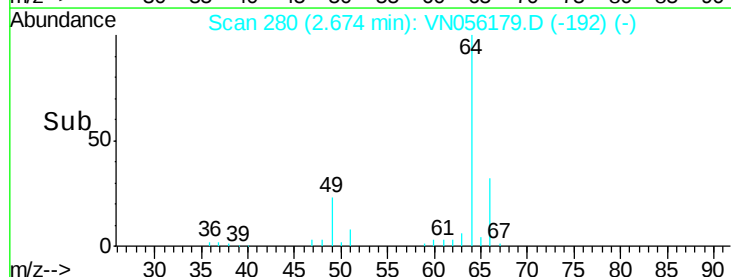
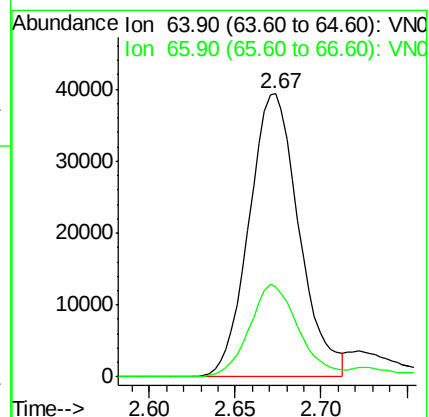
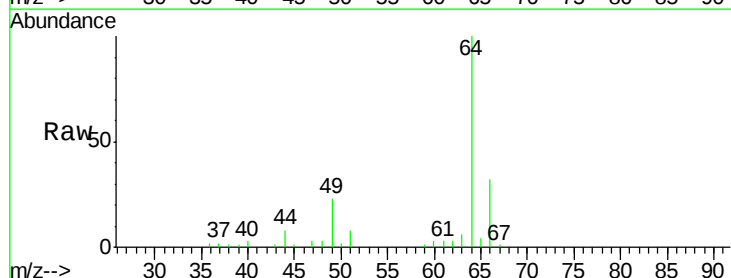
Acq: 10 Jun 2019 19:09

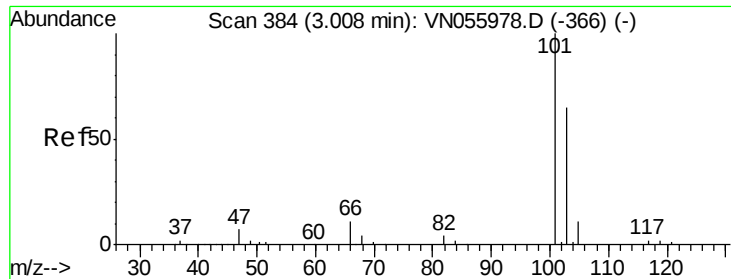
Tgt Ion: 64 Resp: 79367

Ion Ratio Lower Upper

64 100

66 32.0 25.4 38.0





#7

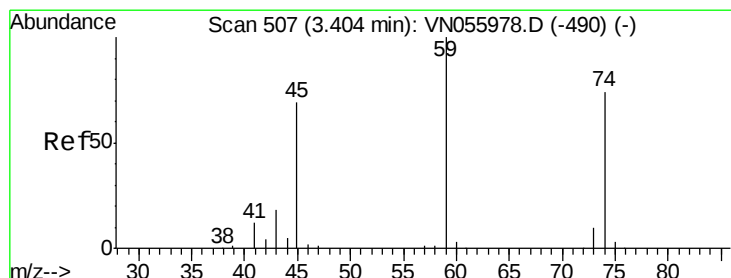
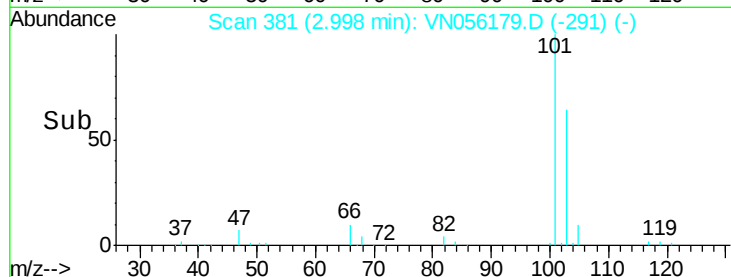
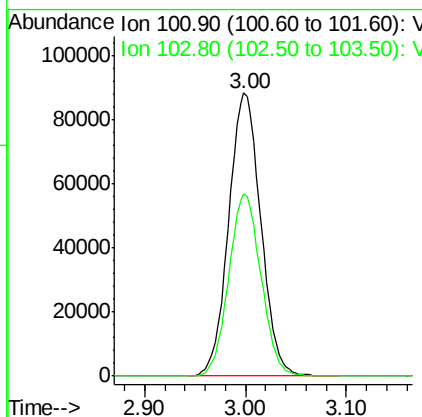
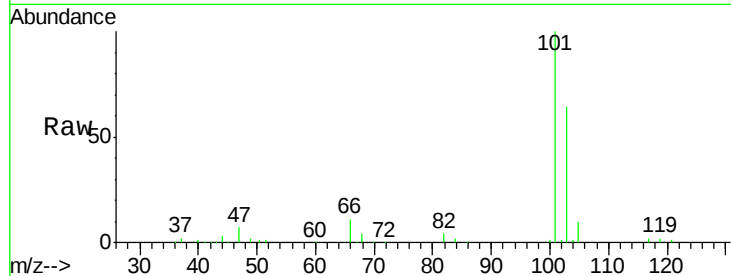
Trichlorofluoromethane
Concen: 50.461 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.01 min
Lab File: VN056179.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.2	76.8

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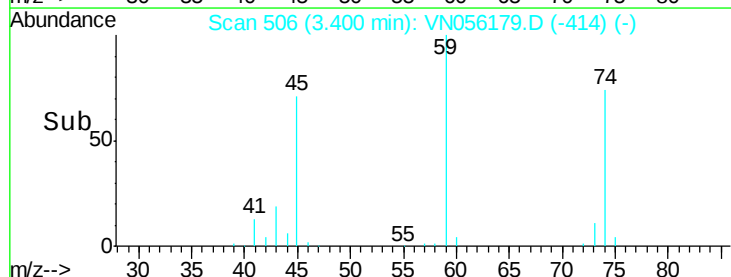
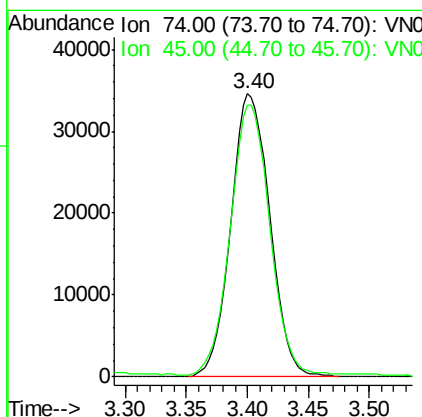
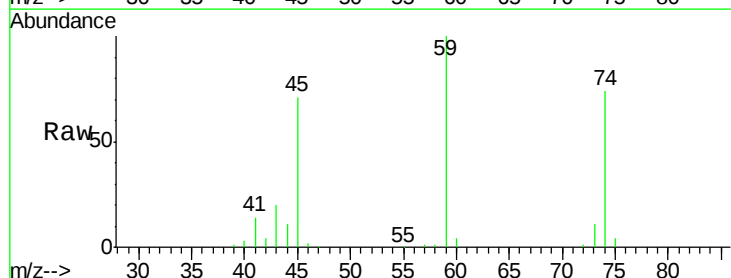
MMDadoda
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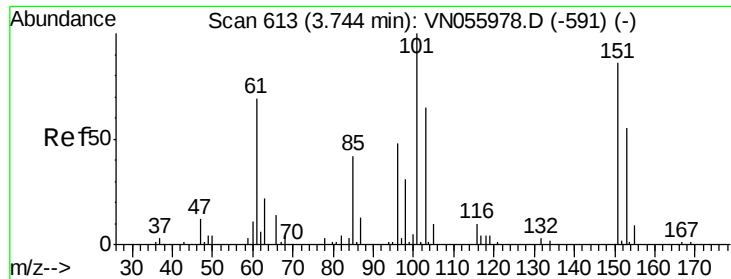


#8

Diethyl Ether
Concen: 48.020 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.131 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

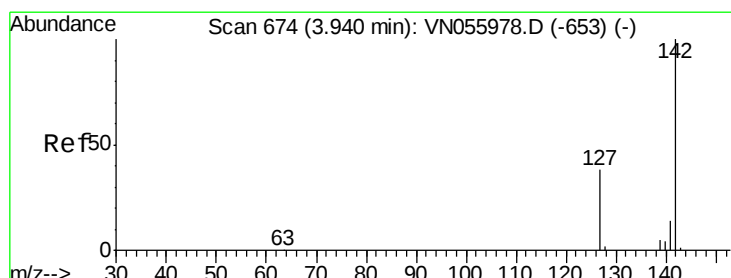
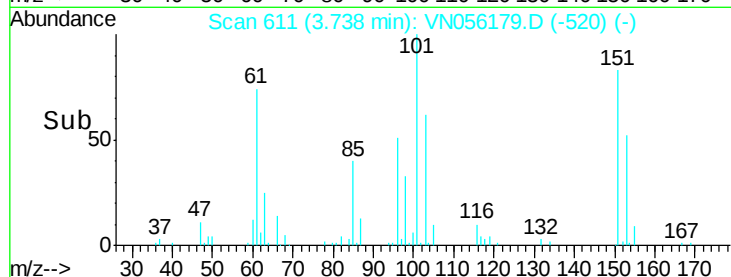
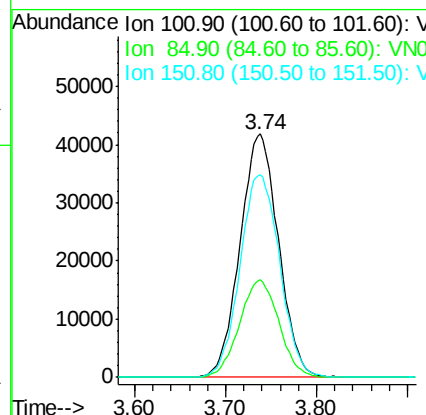
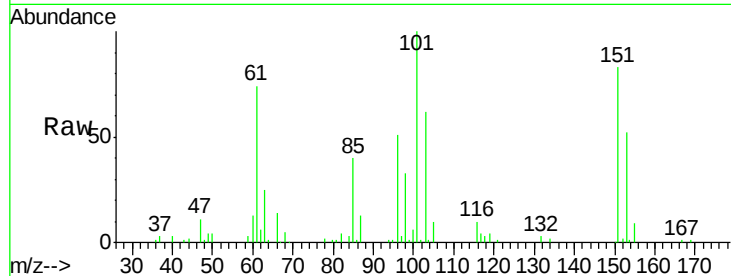
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:	101	Resp:	122893
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.4	50.2
151	86.0	69.4	104.2

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#10

Methyl Iodide

Concen: 48.212 ug/l

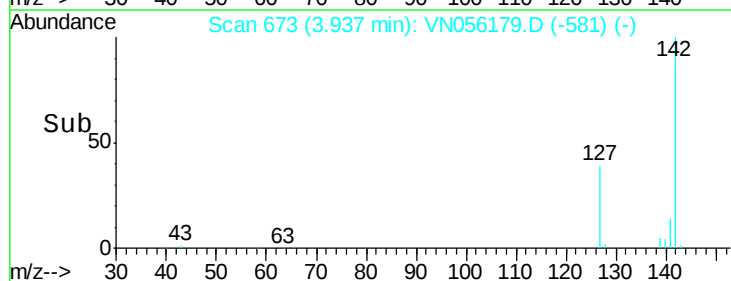
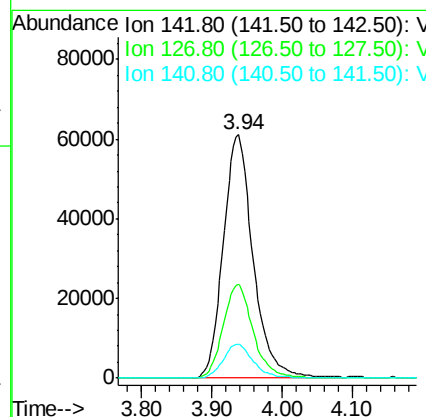
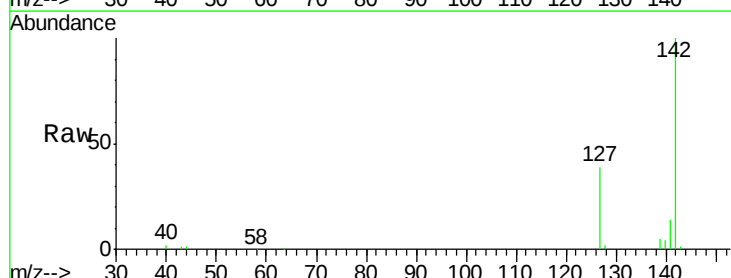
RT: 3.94 min Scan# 673

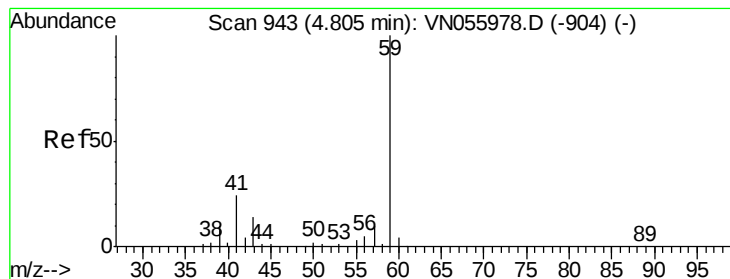
Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Tgt Ion:	142	Resp:	180614
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.0	46.4
141	13.8	11.4	17.0





#11

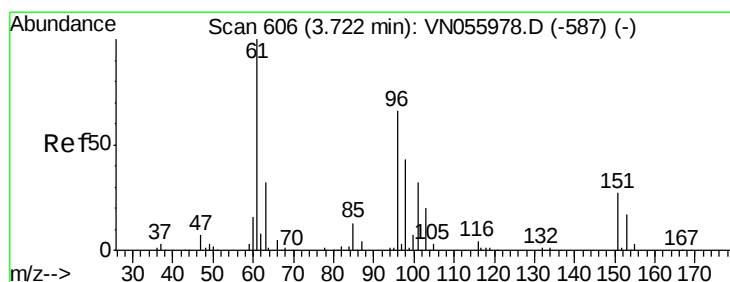
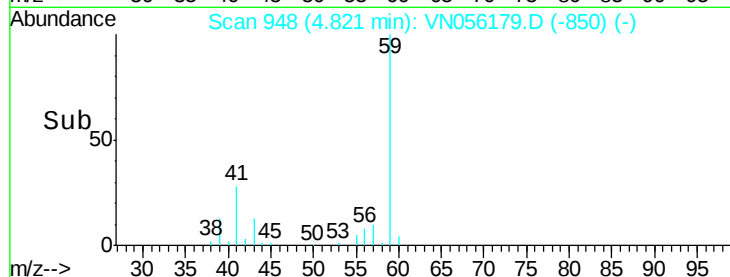
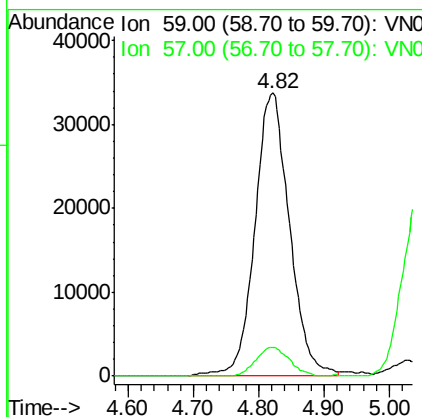
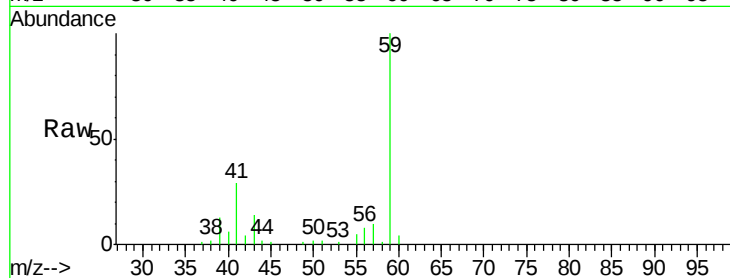
Tert butyl alcohol
Concen: 258.317 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.02 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Resp	Lower	Upper
59	100	124783		
57	9.8		7.8	11.6

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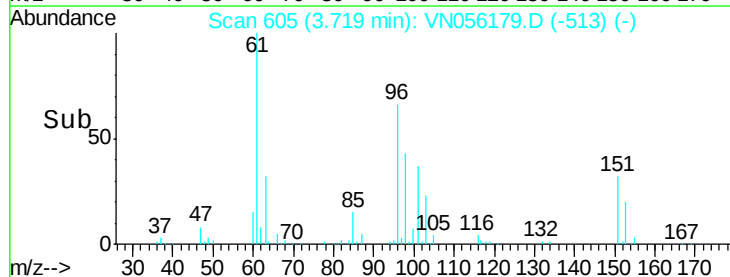
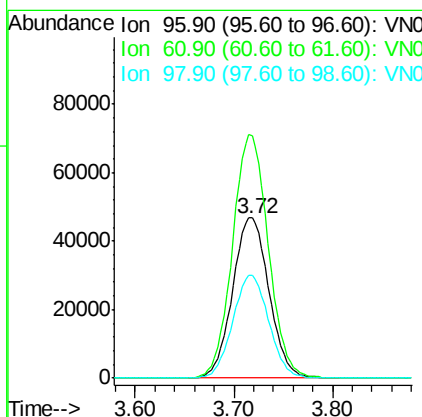
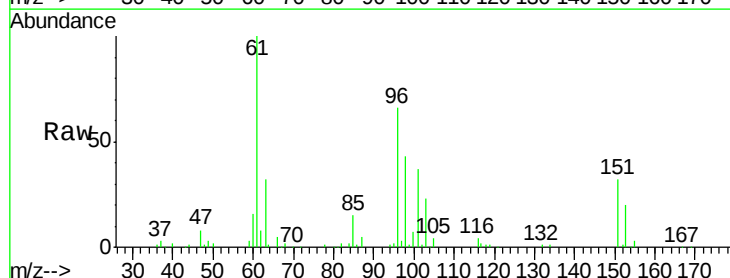
MMDadoda
6/11/2019 11:59:45 AM

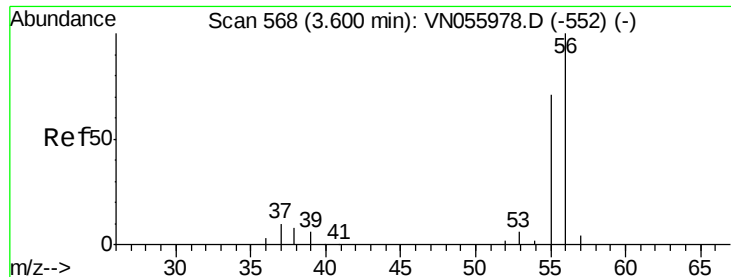


#12

1,1-Dichloroethene
Concen: 51.054 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	119820		
61	151.1		123.2	184.8
98	64.2		50.4	75.6





#13

Acrolein

Concen: 302.451 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 56 Resp: 42137

Ion Ratio Lower Upper

56 100

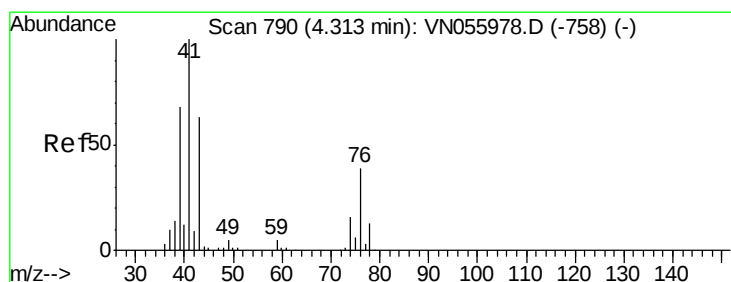
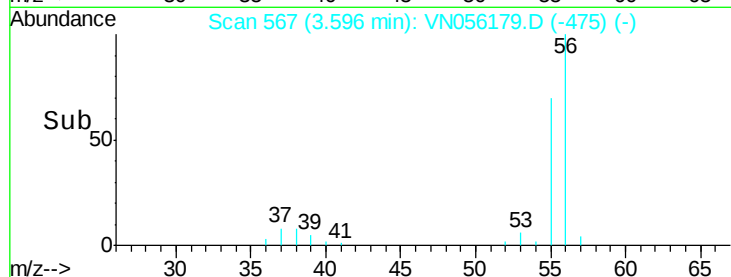
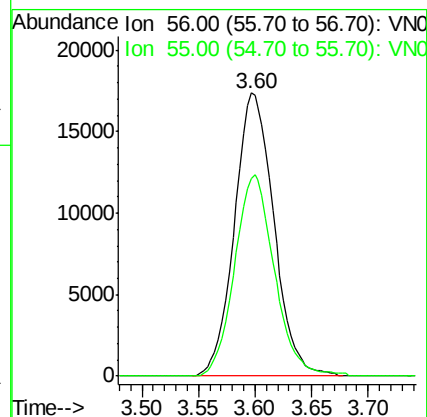
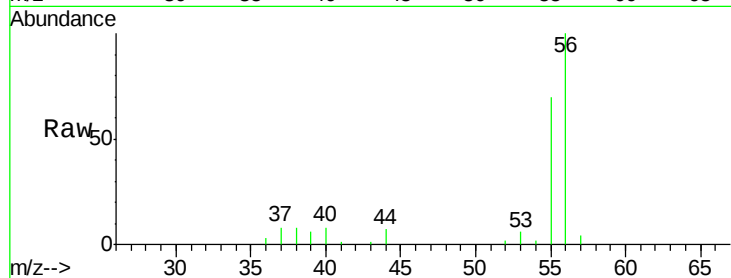
55 71.8 55.4 83.2

Manual Integrations

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6/11/2019 11:59:45 AM



#14

Allyl chloride

Concen: 50.681 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

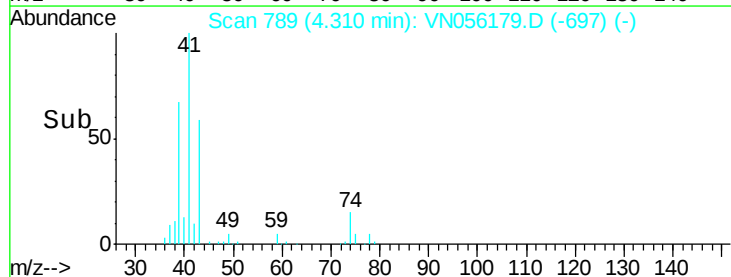
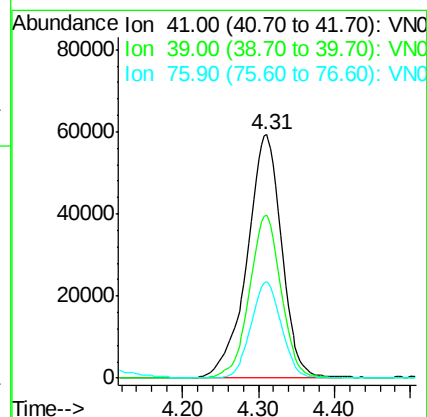
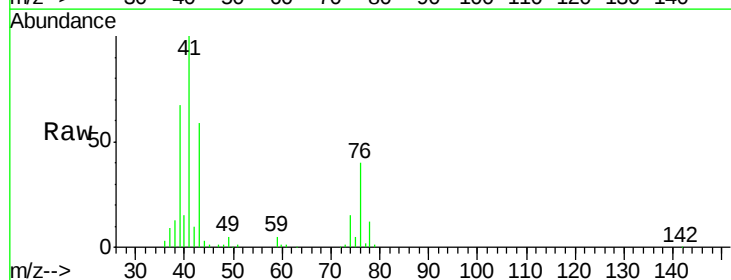
Tgt Ion: 41 Resp: 187821

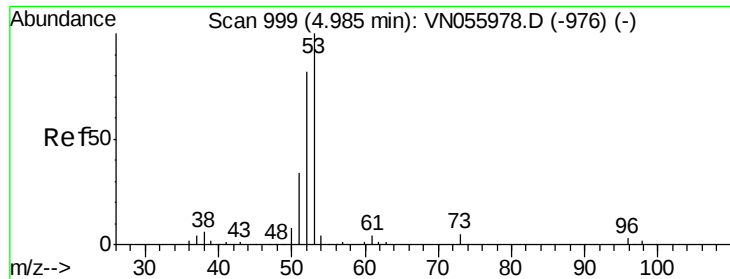
Ion Ratio Lower Upper

41 100

39 61.5 50.0 75.0

76 34.7 28.2 42.2





#15

Acrylonitrile

Concen: 293.199 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

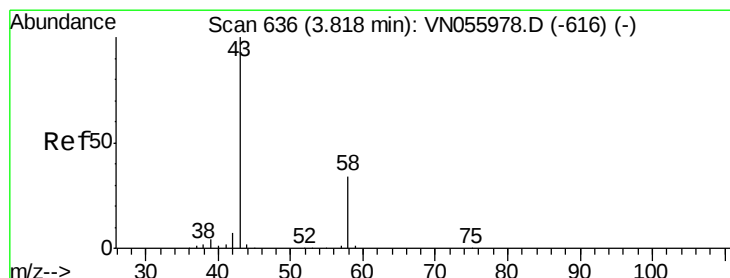
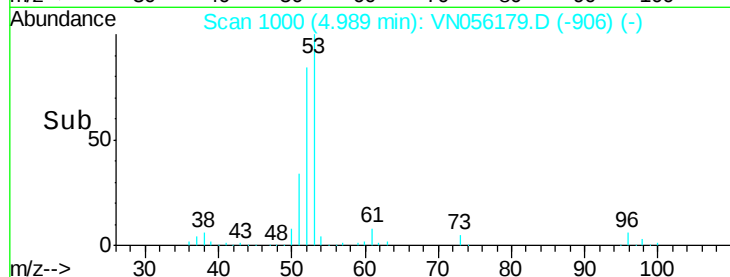
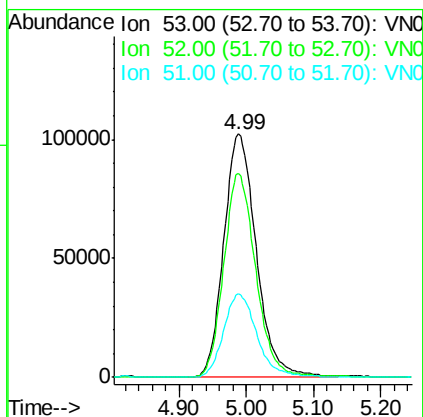
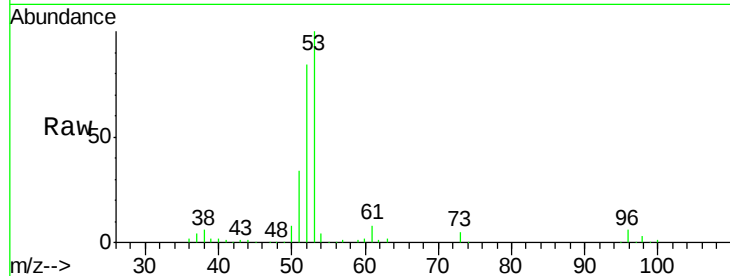
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:	53	Resp:	344774
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.8	98.8
51	35.2	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 208.043 ug/l

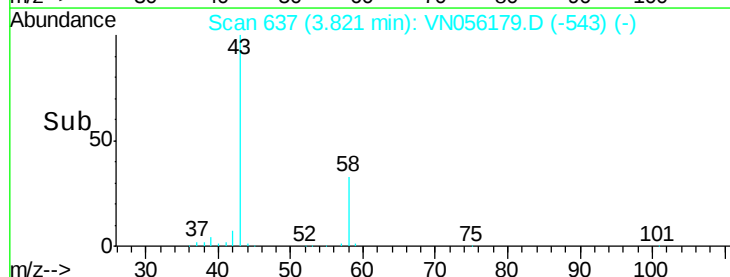
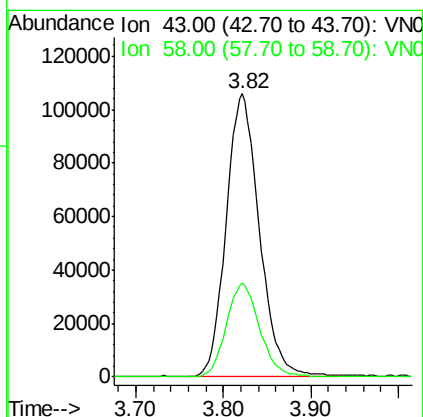
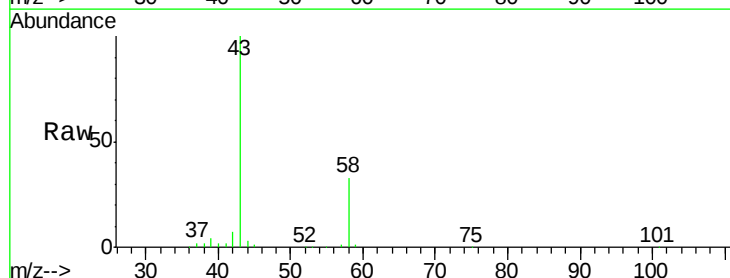
RT: 3.82 min Scan# 637

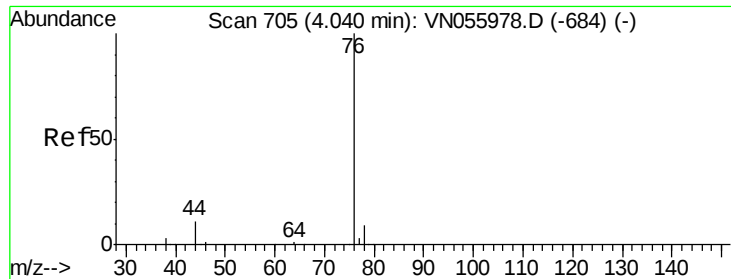
Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Tgt Ion:	43	Resp:	276200
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.6	39.8





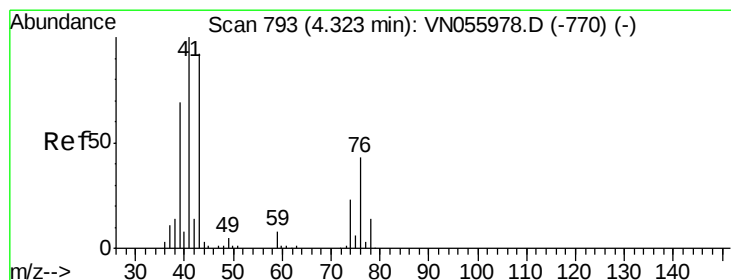
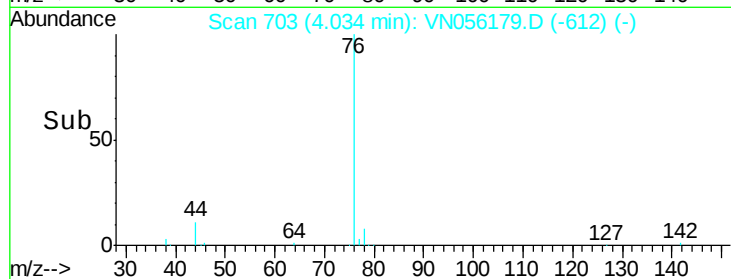
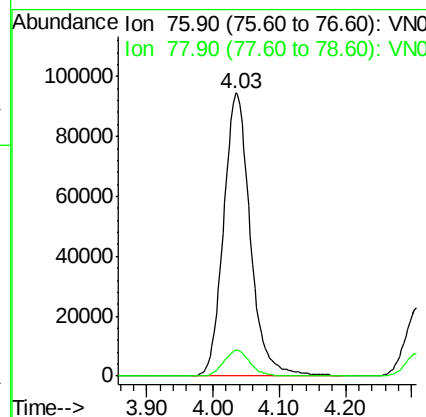
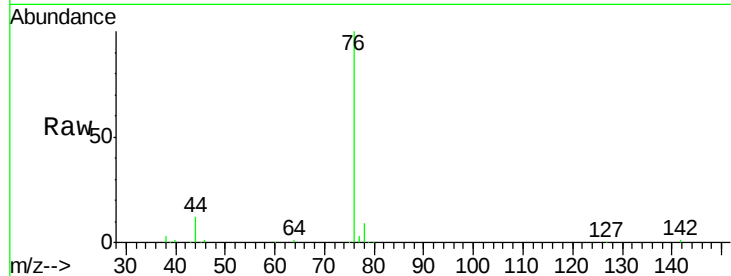
#17
Carbon Disulfide
Concen: 47.097 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.01 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

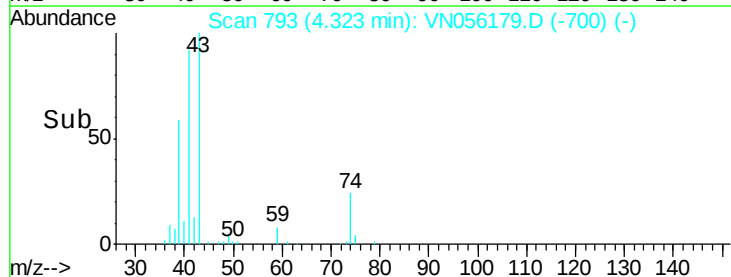
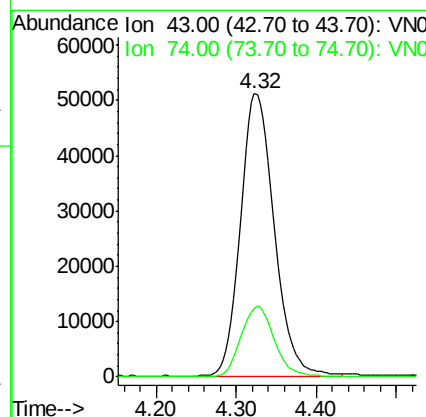
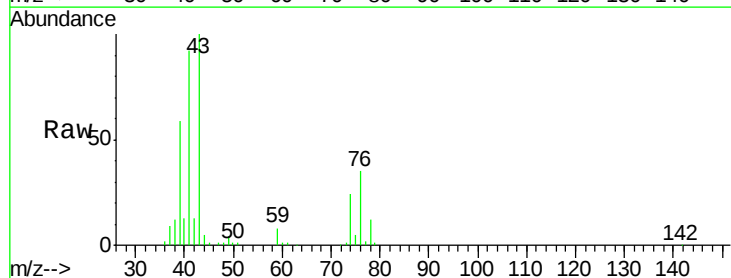
Manual Integrations
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6/11/2019 11:59:45 AM



#18
Methyl Acetate
Concen: 56.514 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.3	28.9





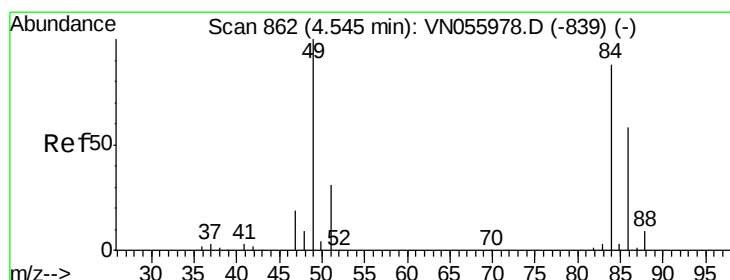
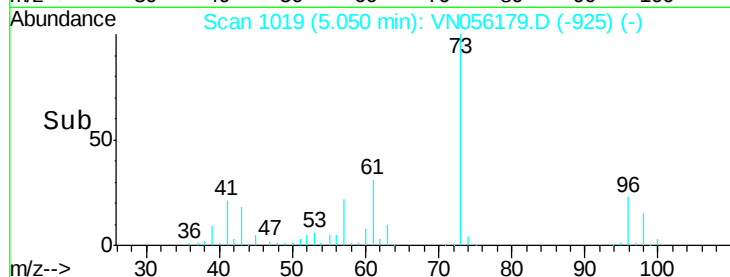
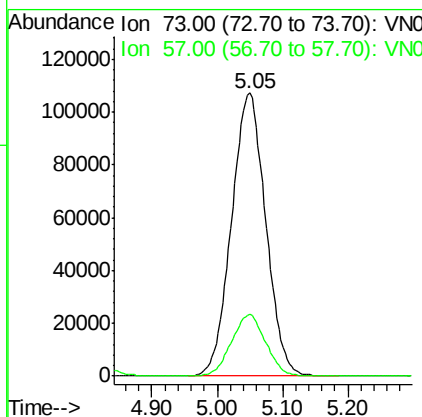
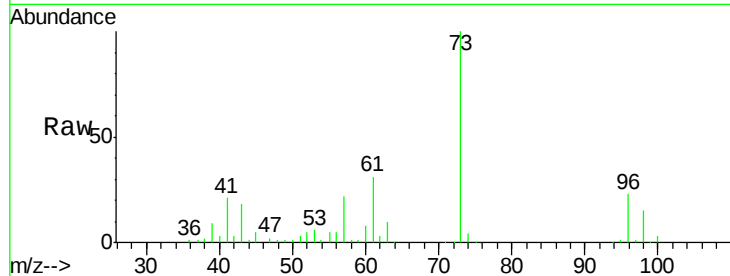
#19
Methvl tert-butvl Ether
Concen: 52.211 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 73 Resp: 390588
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.8

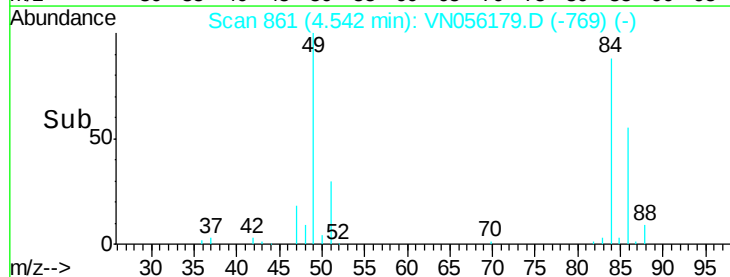
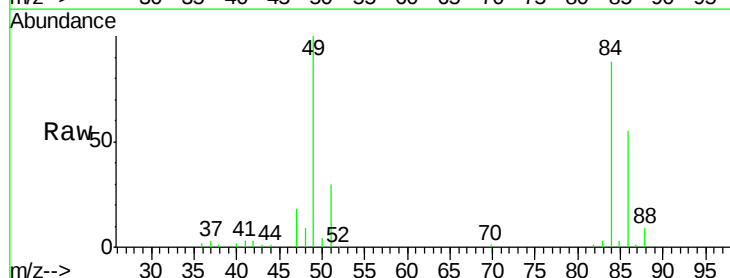
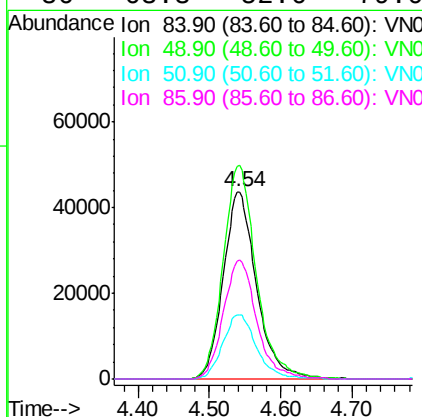
Manual Integrations
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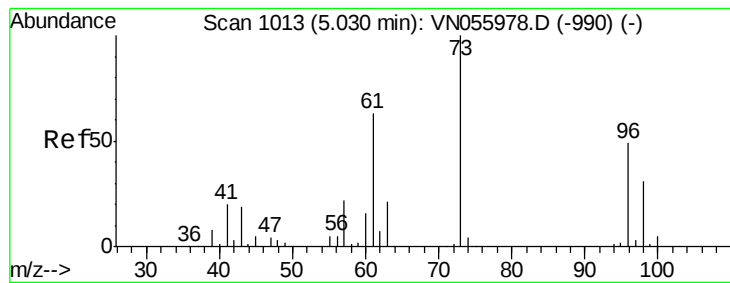
MMDadoda
6/11/2019 11:59:45 AM



#20
Methylene Chloride
Concen: 51.690 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion: 84 Resp: 141382
Ion Ratio Lower Upper
84 100
49 114.2 93.5 140.3
51 34.5 28.6 43.0
86 63.3 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 50.355 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 96 Resp: 126624

Ion Ratio Lower Upper

96 100

61 133.6 107.8 161.8

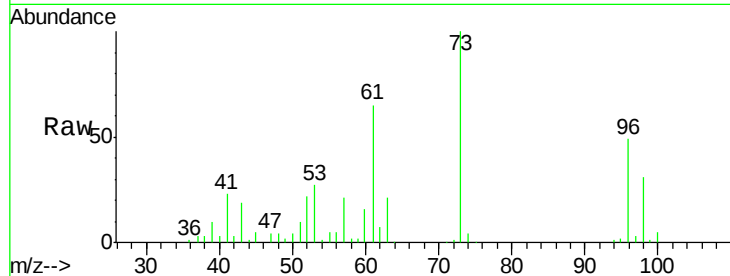
98 63.7 49.8 74.8

Manual Integrations

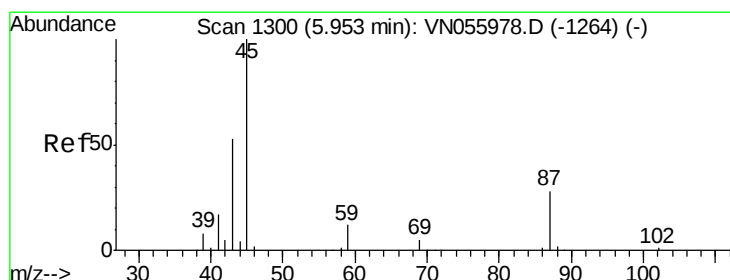
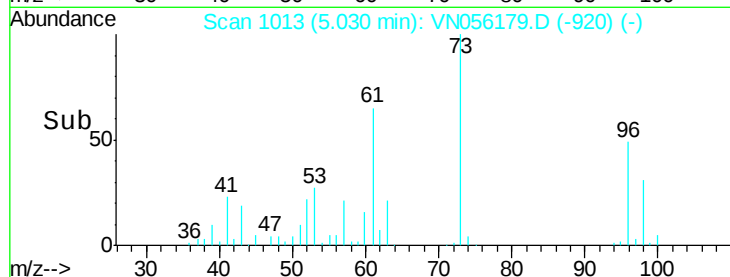
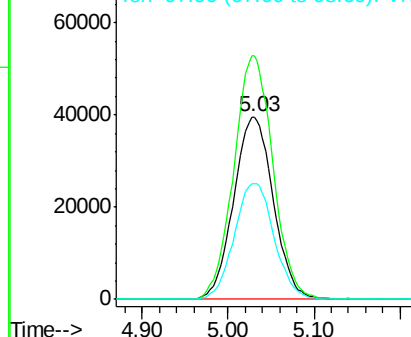
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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 52.361 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Tgt Ion: 45 Resp: 401121

Ion Ratio Lower Upper

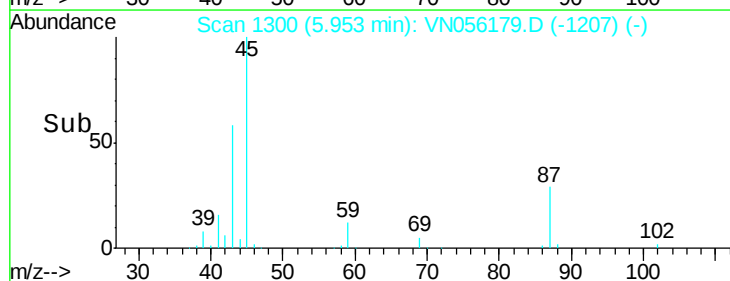
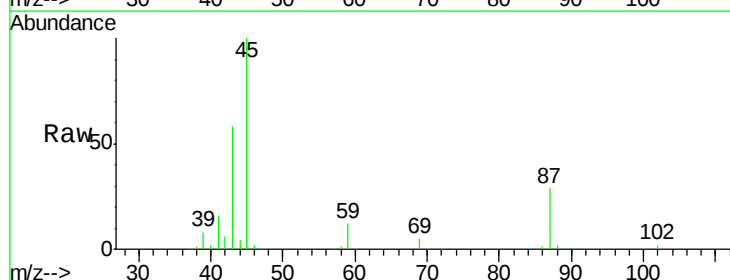
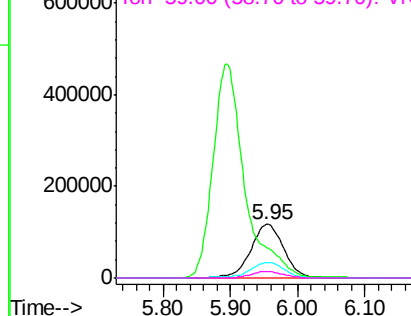
45 100

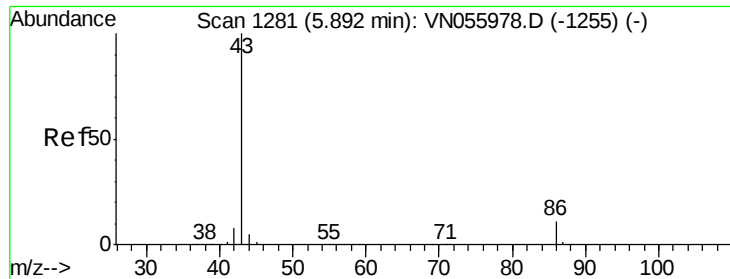
43 56.3 45.0 67.6

87 28.7 22.2 33.4

59 11.6 9.1 13.7

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





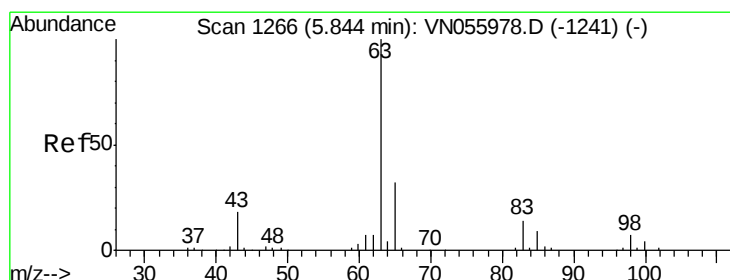
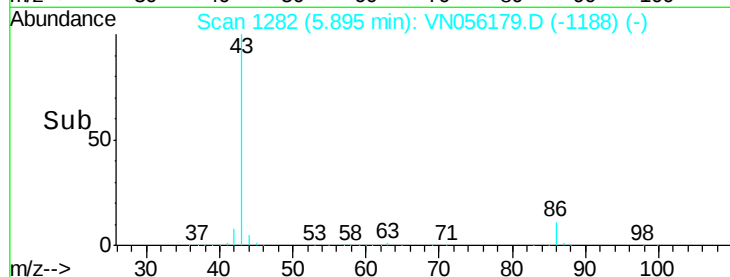
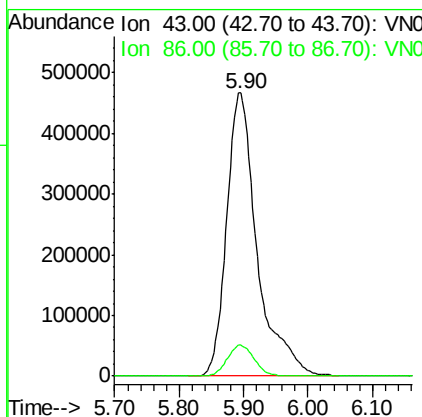
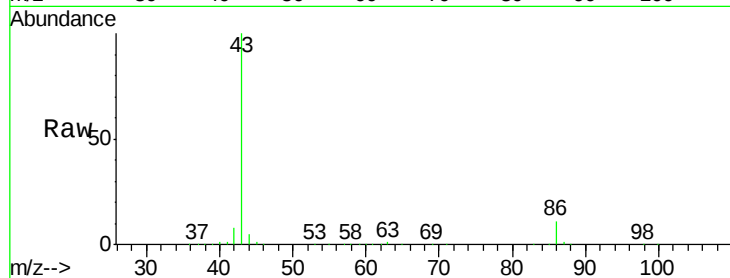
#23
 Vinyl Acetate
 Concen: 255.285 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 43 Resp: 1540081
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.6 13.0

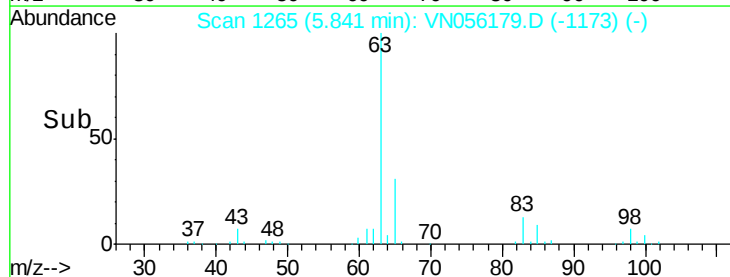
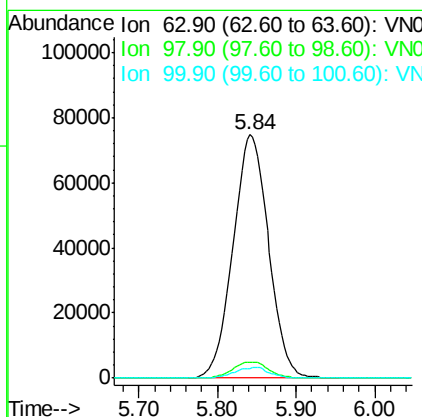
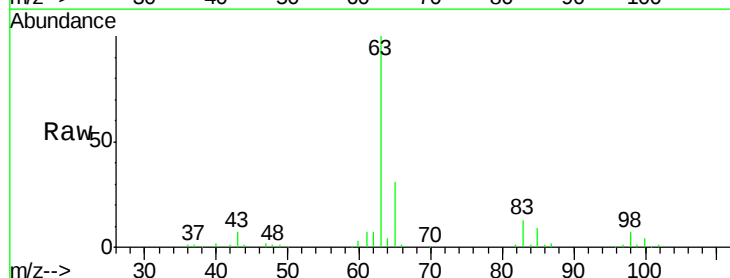
Manual Integrations
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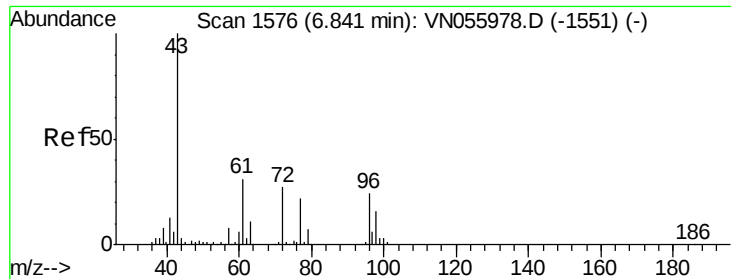
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 6/11/2019 11:59:45 AM



#24
 1,1-Dichloroethane
 Concen: 53.345 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Tgt Ion: 63 Resp: 235731
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.1
 100 4.1 2.2 6.6





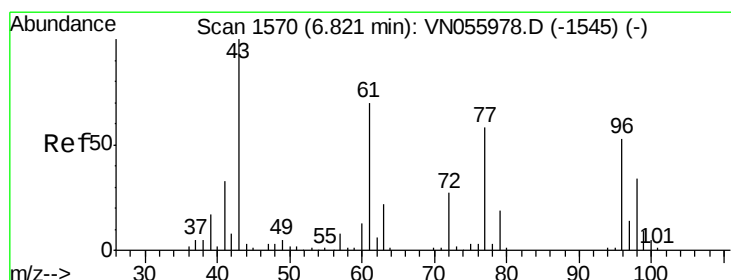
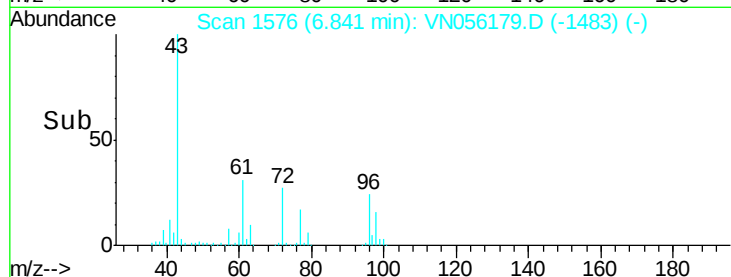
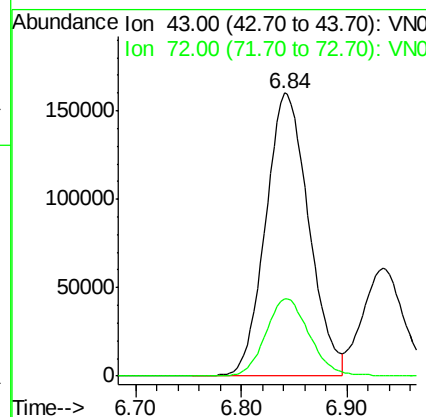
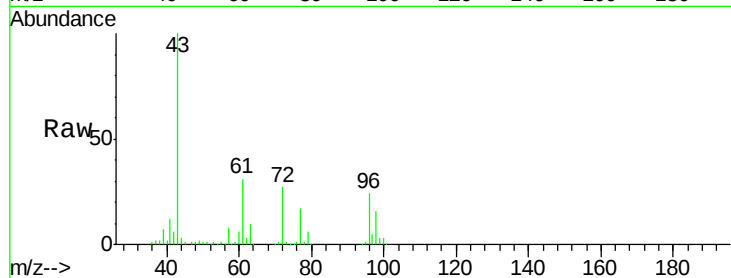
#25
2-Butanone
Concen: 270.749 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 43 Resp: 454153
Ion Ratio Lower Upper
43 100
72 27.1 21.9 32.9

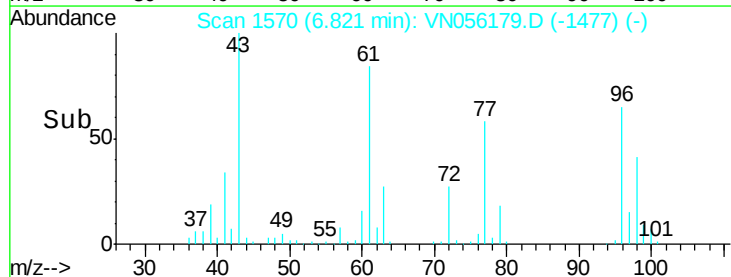
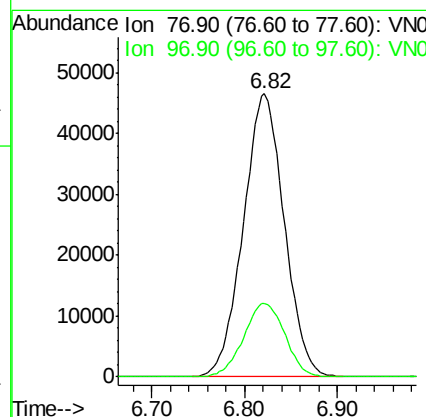
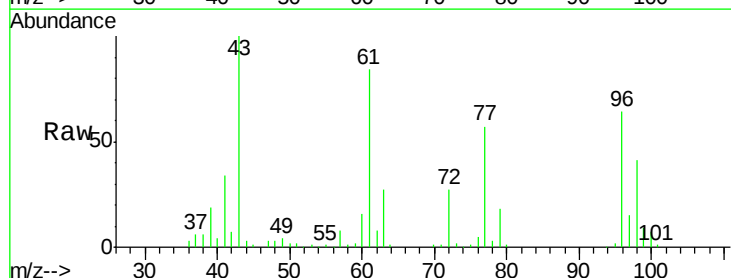
Manual Integrations
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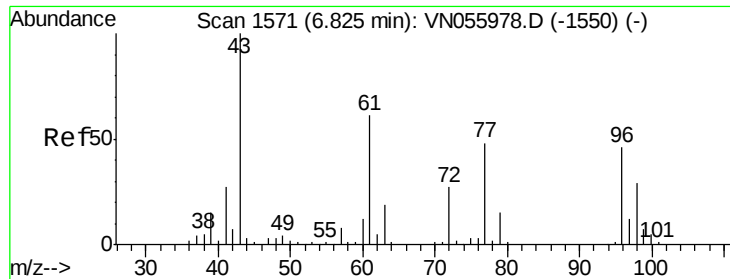
MMDadoda
6/11/2019 11:59:45 AM



#26
2,2-Dichloropropane
Concen: 41.328 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion: 77 Resp: 142507
Ion Ratio Lower Upper
77 100
97 26.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.348 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

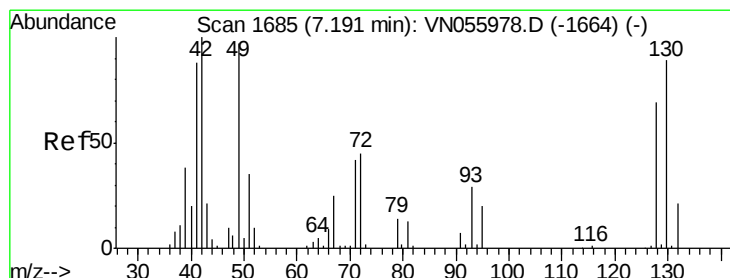
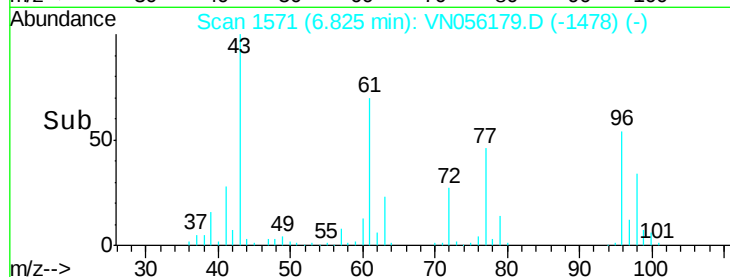
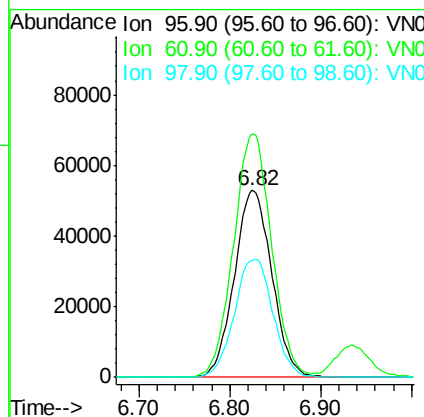
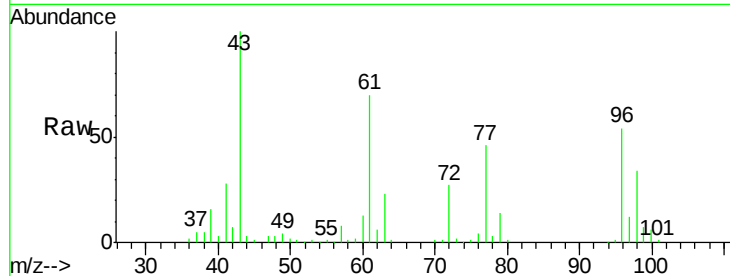
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:	96	Resp:	151780
Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	275.8
98	64.8	0.0	128.4

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#28

Bromochloromethane

Concen: 54.624 ug/l

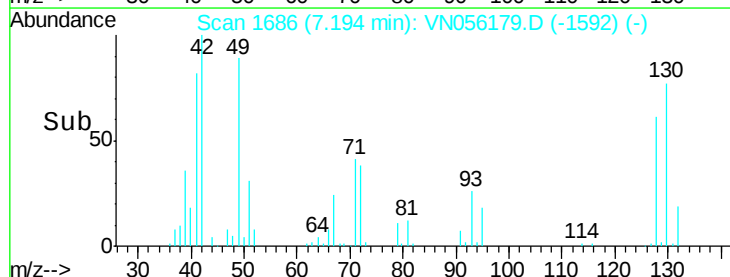
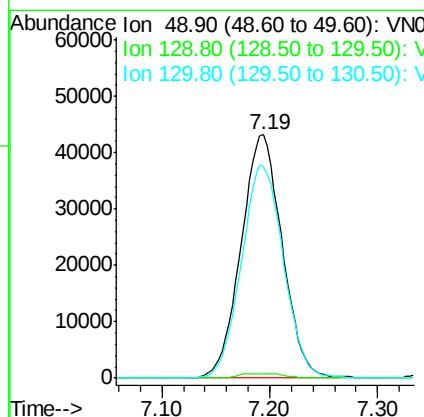
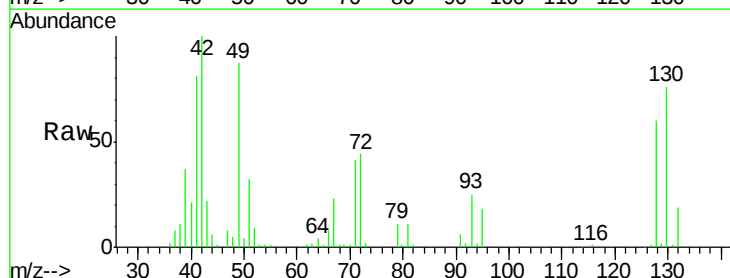
RT: 7.19 min Scan# 1686

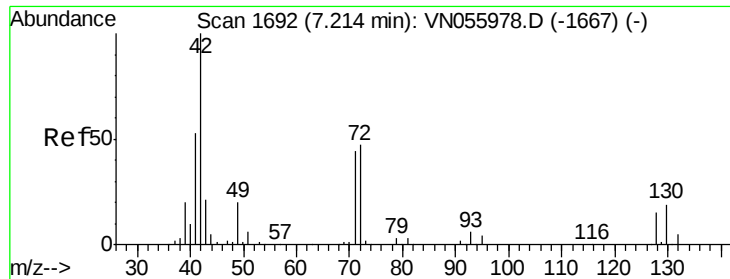
Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Tgt Ion:	49	Resp:	114150
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	89.7	71.2	106.8





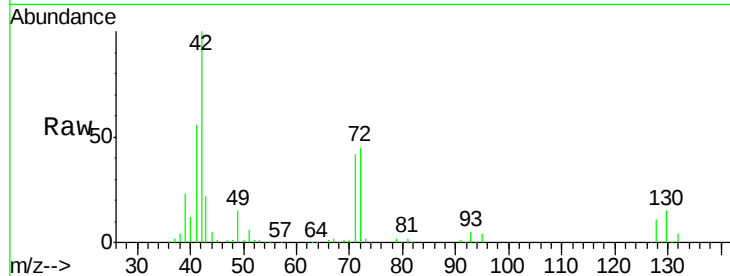
#29
Tetrahydrofuran
Concen: 291.485 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

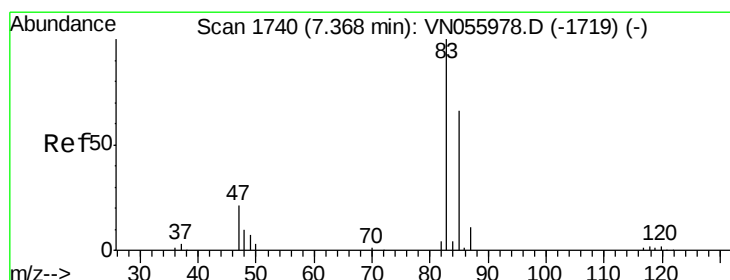
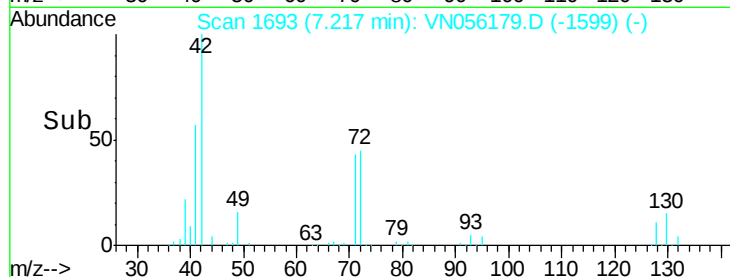
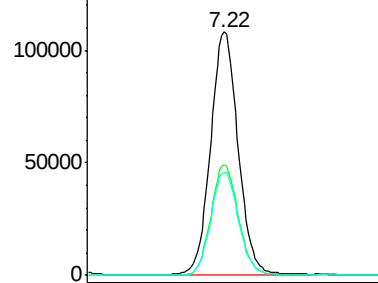
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.9	53.9
71	42.3	34.0	51.0

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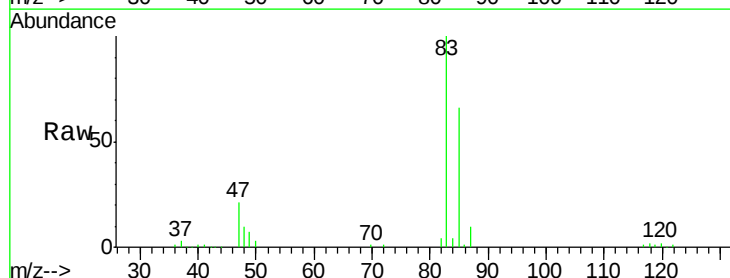


Abundance Ion 42.00 (41.70 to 42.70): VN055978.D (-1667) (-)
Ion 72.00 (71.70 to 72.70): VN055978.D (-1667) (-)
Ion 71.00 (70.70 to 71.70): VN055978.D (-1667) (-)

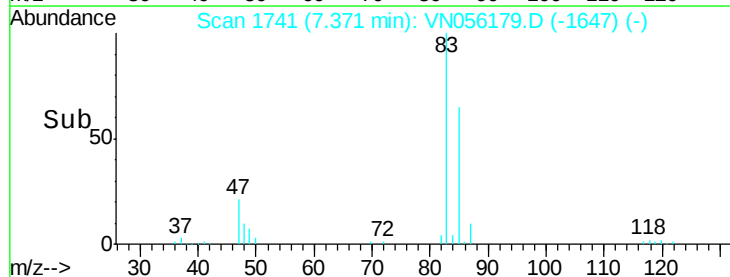
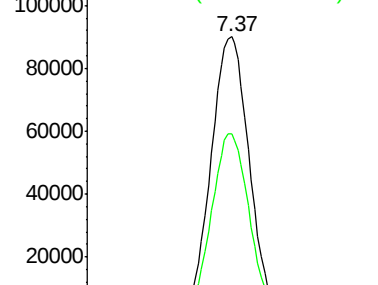


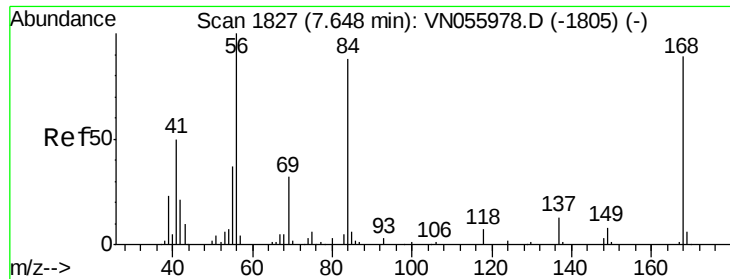
#30
Chloroform
Concen: 53.268 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.8



Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-1719) (-)
Ion 84.90 (84.60 to 85.60): VN055978.D (-1719) (-)





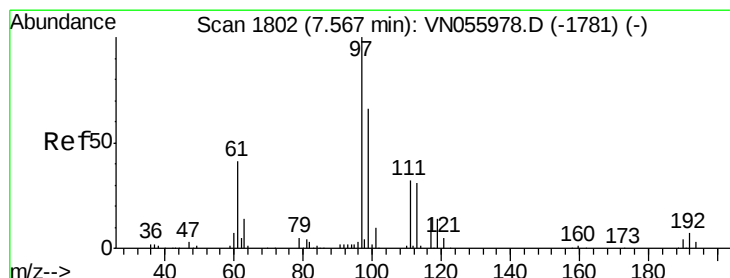
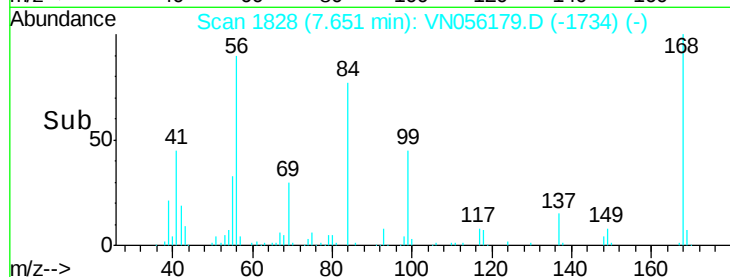
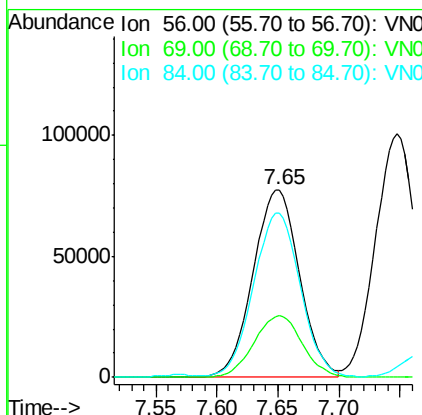
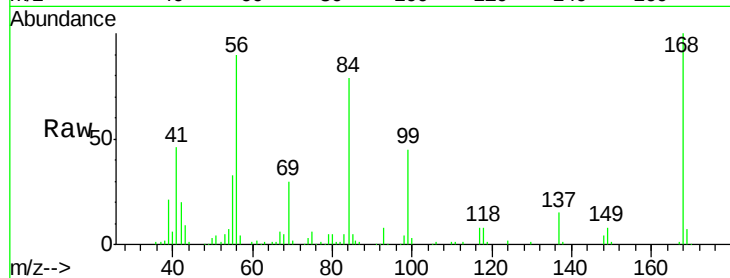
#31
Cyclohexane
Concen: 46.561 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Resp	Lower	Upper
56	100	205087		
69	32.9		25.6	38.4
84	86.7		67.4	101.0

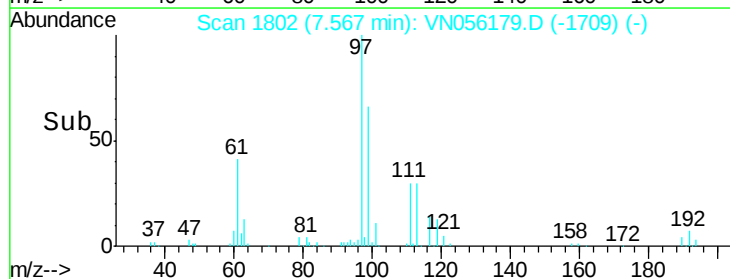
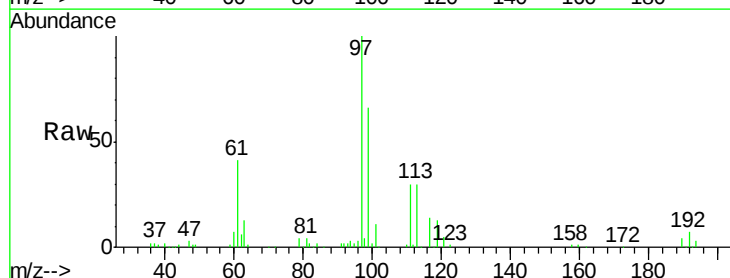
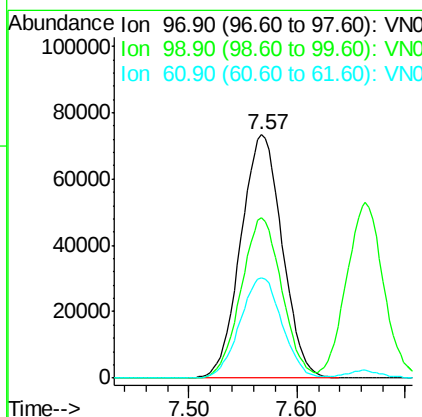
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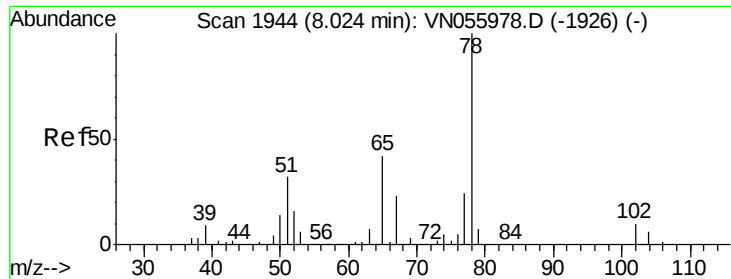
MMDadoda
6/11/2019 11:59:45 AM



#32
1,1,1-Trichloroethane
Concen: 52.821 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	196079		
99	64.9		52.0	78.0
61	41.9		32.9	49.3





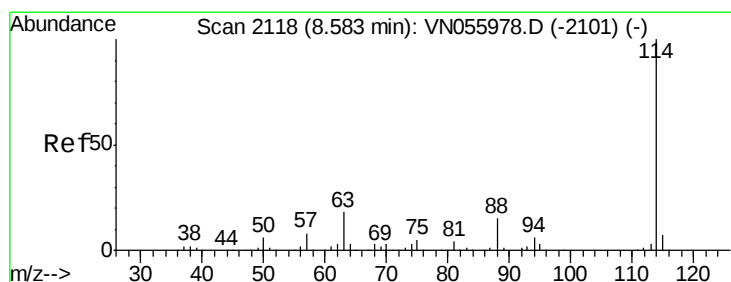
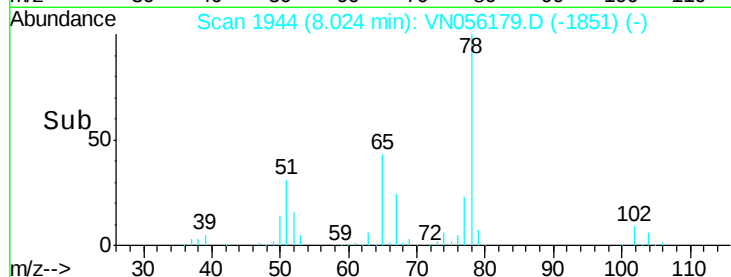
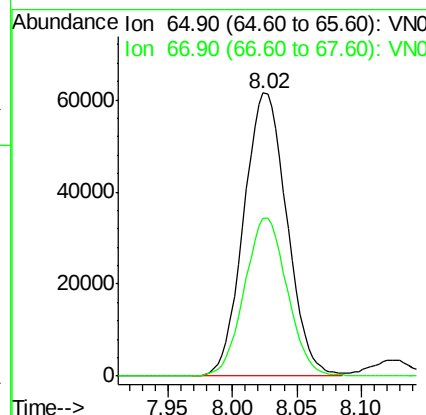
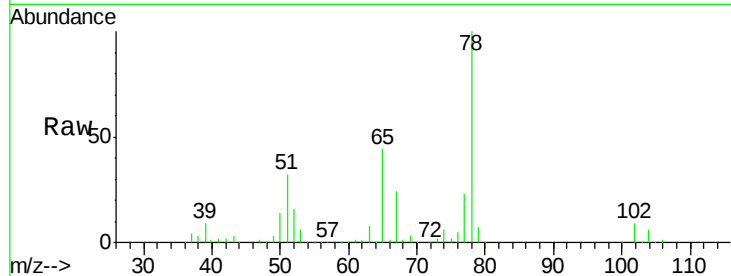
#33
 1,2-Dichloroethane-d4
 Concen: 51.776 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	109.2	

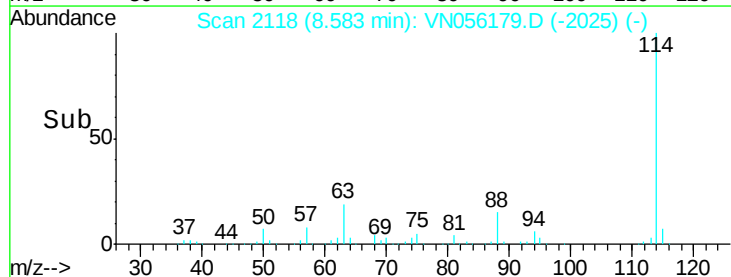
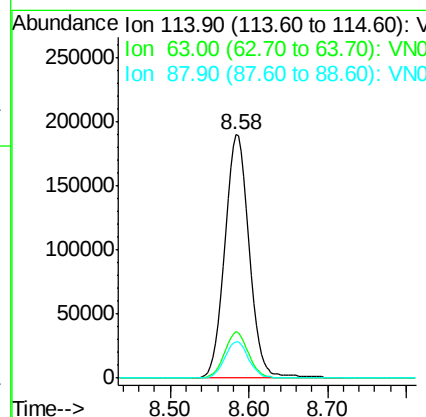
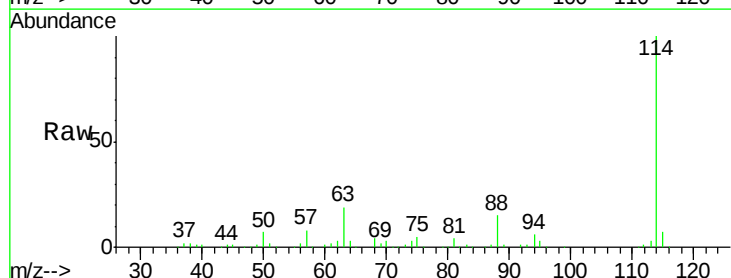
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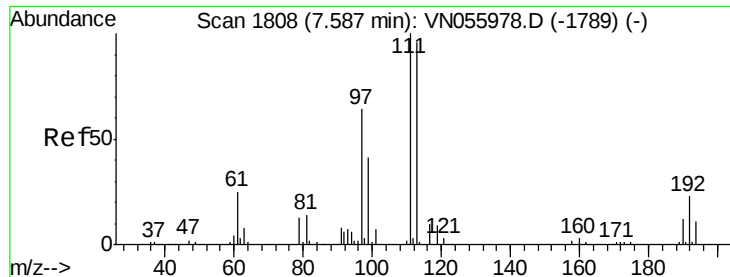
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	0.0	39.2	
88	15.1	0.0	31.0	





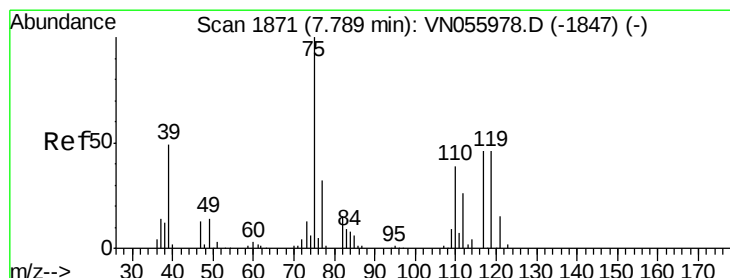
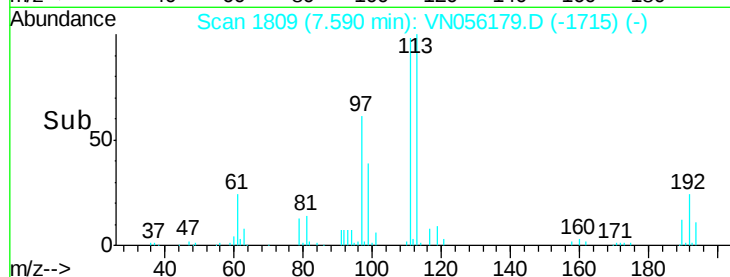
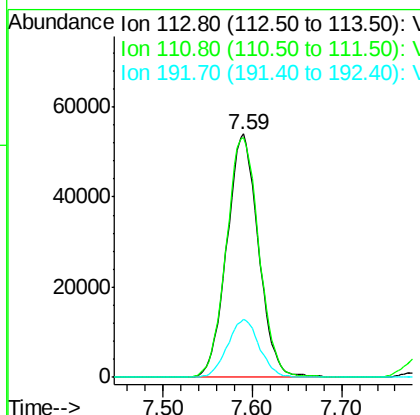
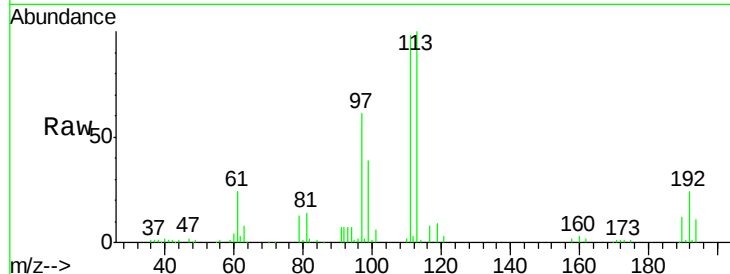
#35
 Dibromofluoromethane
 Concen: 53.190 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132319		
111	102.1	81.9	122.9	
192	24.0	19.5	29.3	

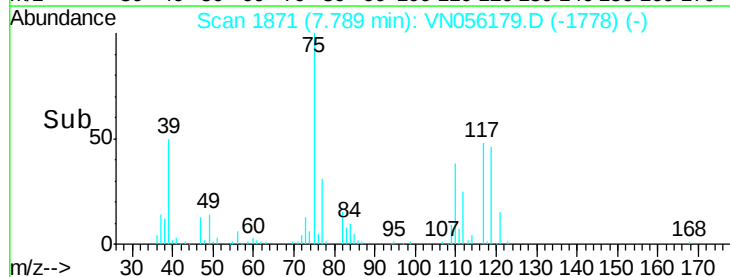
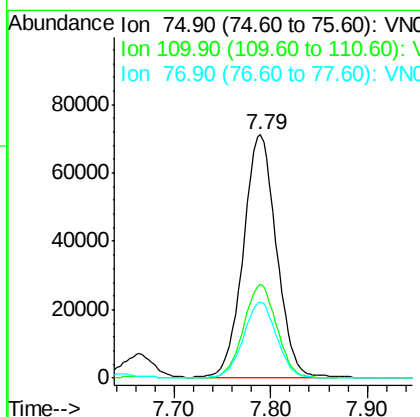
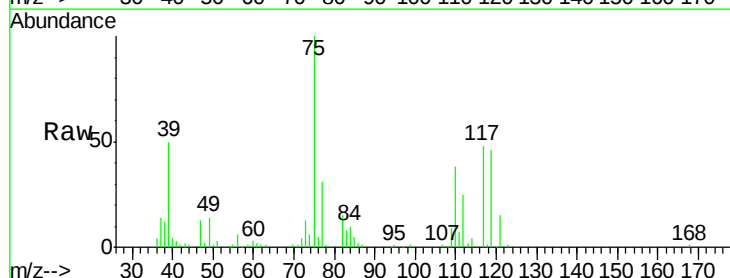
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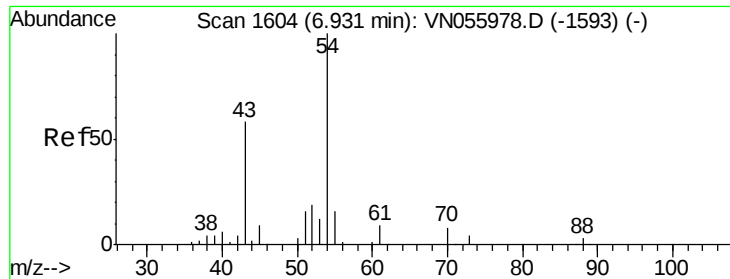
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 6/11/2019 11:59:45 AM



#36
 1,1-Dichloropropene
 Concen: 48.380 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	168672		
110	38.5	19.0	57.0	
77	31.5	25.1	37.7	





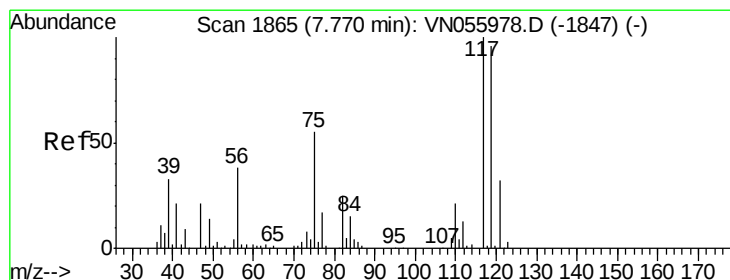
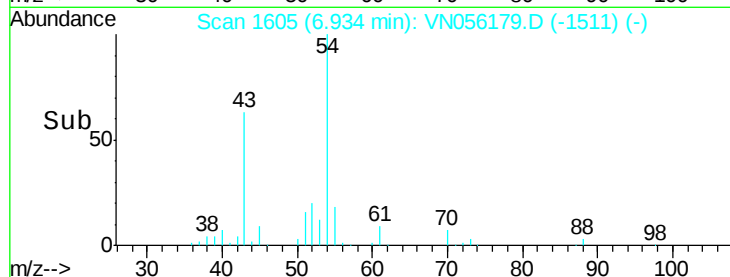
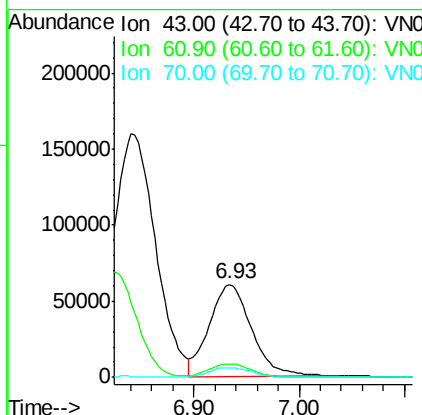
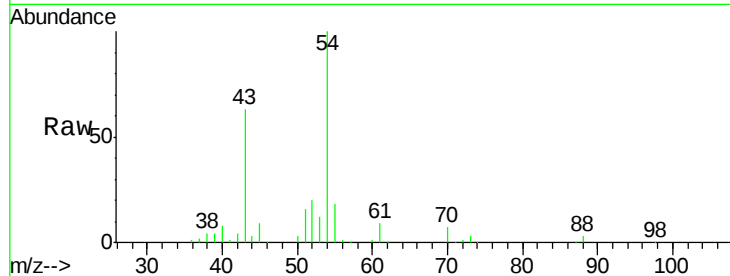
#37
Ethyl Acetate
Concen: 54.312 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.2	18.2
70	10.9	8.9	13.3

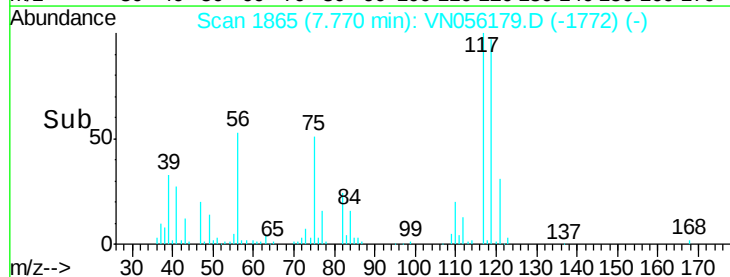
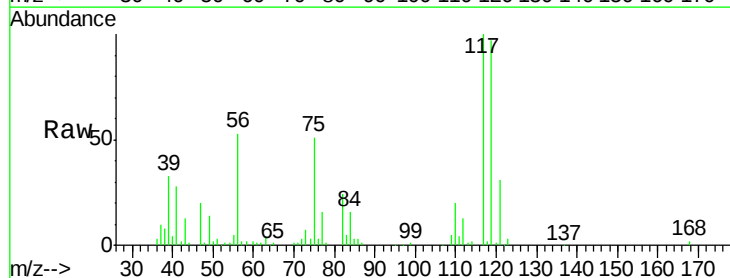
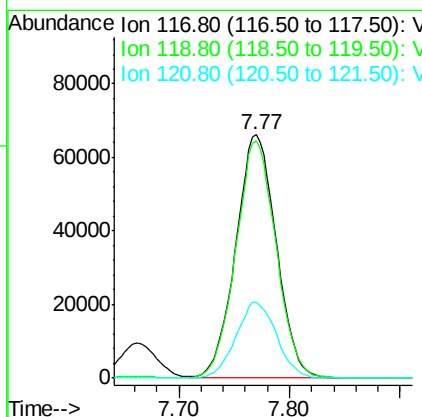
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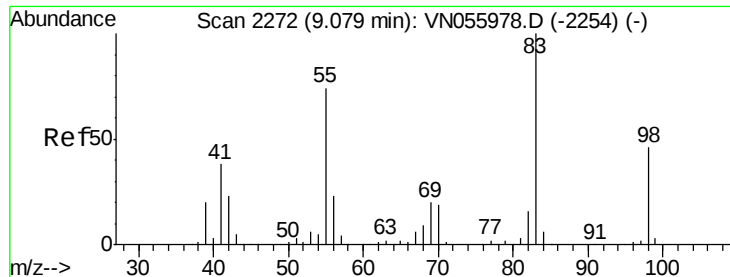
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#38
Carbon Tetrachloride
Concen: 52.033 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	79.0	118.6
121	31.2	24.7	37.1





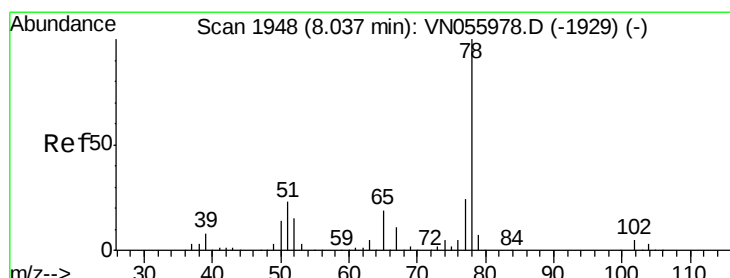
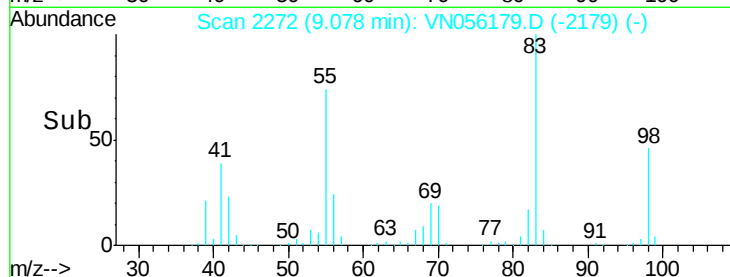
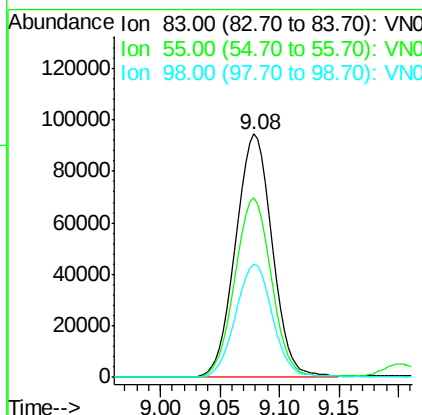
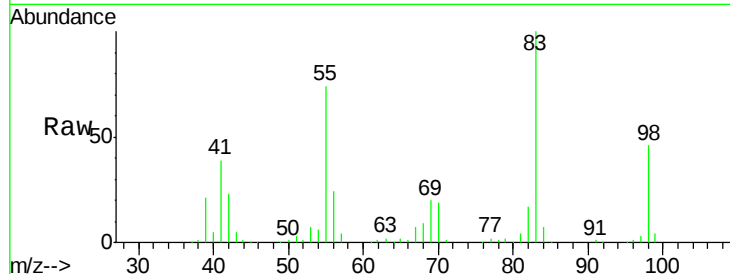
#39
Methvlcvclohexane
Concen: 46.703 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.6	59.3	88.9
98	46.4	36.6	54.8

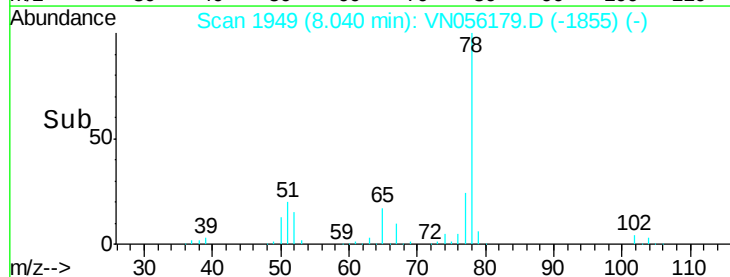
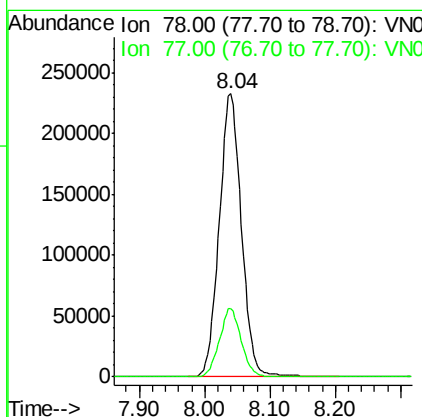
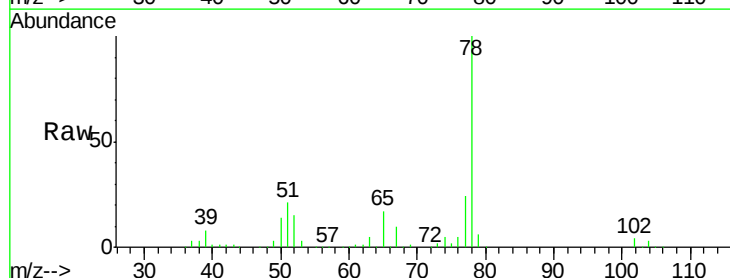
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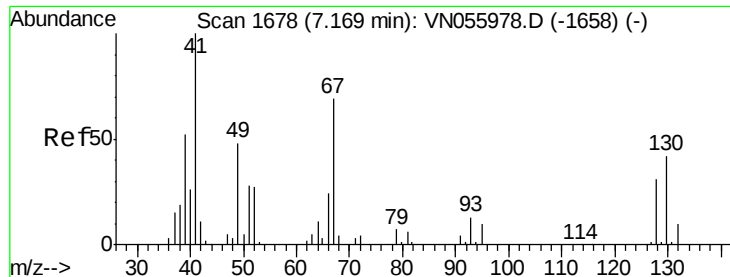
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#40
Benzene
Concen: 51.948 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





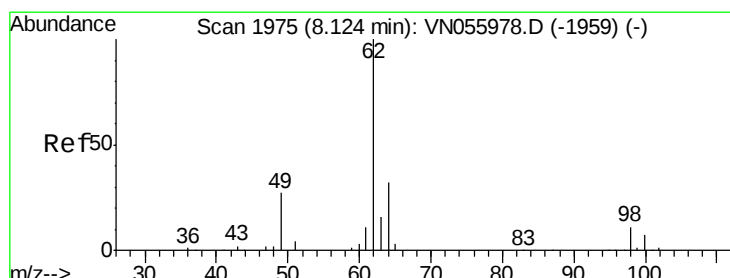
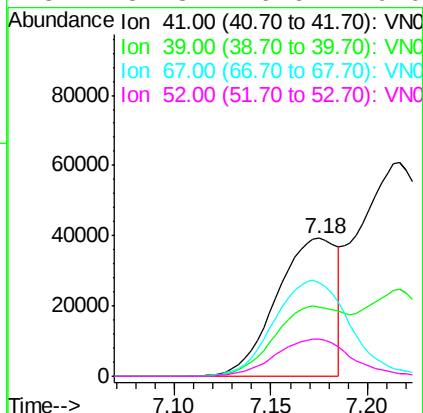
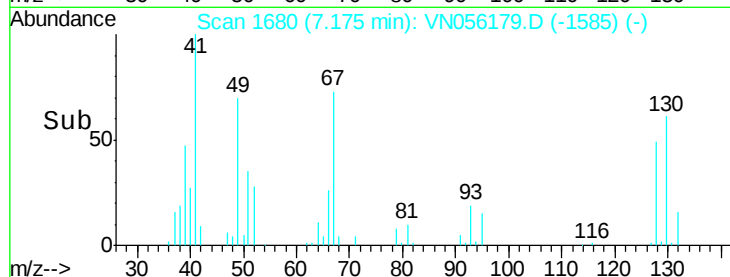
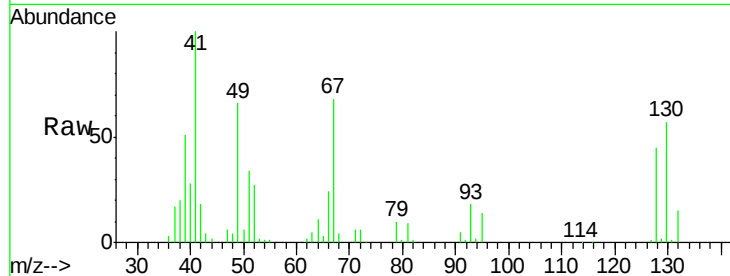
#41
Methacrylonitrile
Concen: 59.741 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		85265		
39	60.1	45.6	68.4		
67	88.1	67.7	101.5		
52	34.3	26.6	40.0		

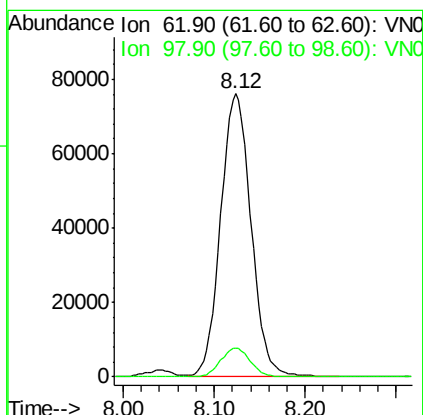
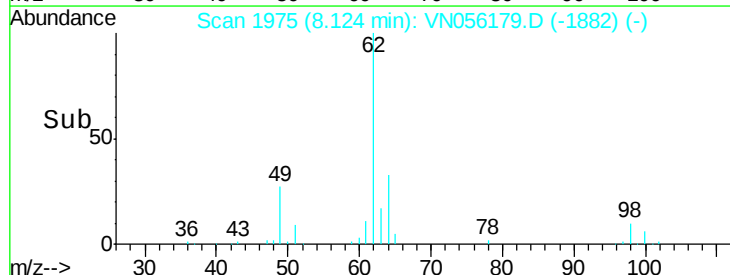
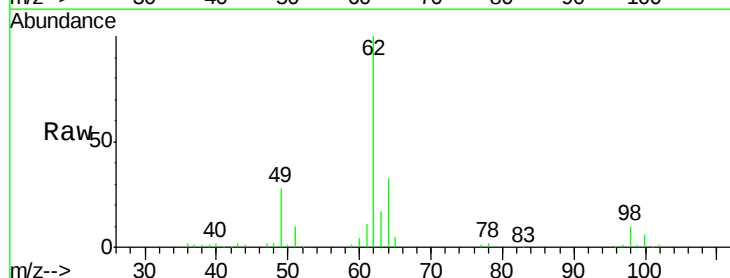
Manual Integrations
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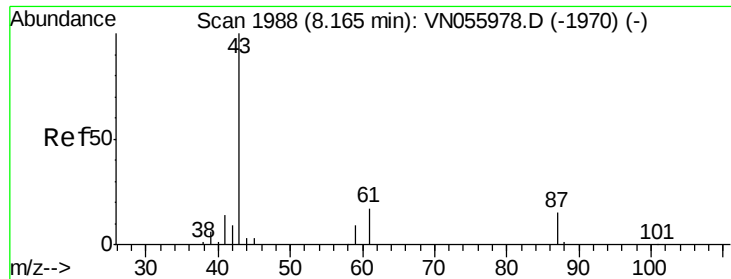
MMDadoda
6/11/2019 11:59:45 AM



#42
1,2-Dichloroethane
Concen: 51.673 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		176005		
98	10.0	0.0	20.2		





#43

Isopropyl Acetate

Concen: 52.099 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

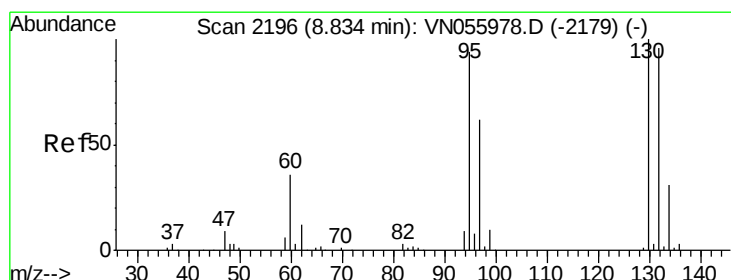
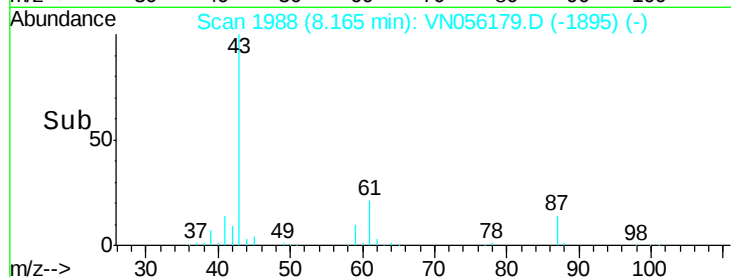
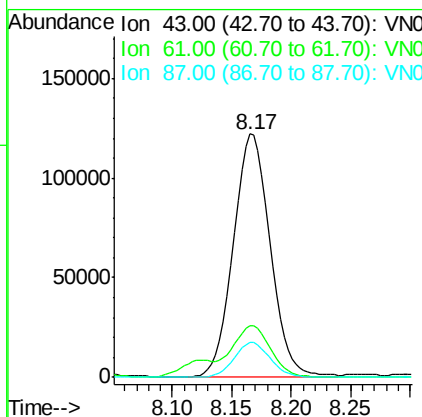
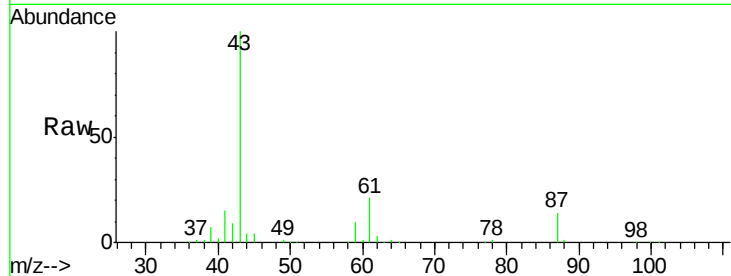
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:	43	Resp:	261891
Ion	Ratio	Lower	Upper
43	100		
61	22.5	22.2	33.4
87	14.2	11.4	17.2

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#44

Trichloroethene

Concen: 50.762 ug/l

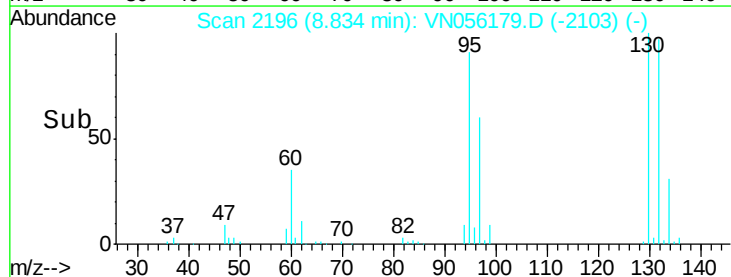
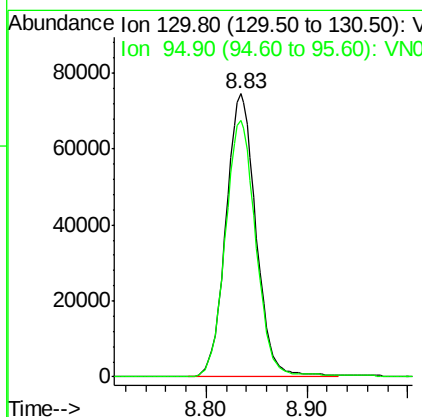
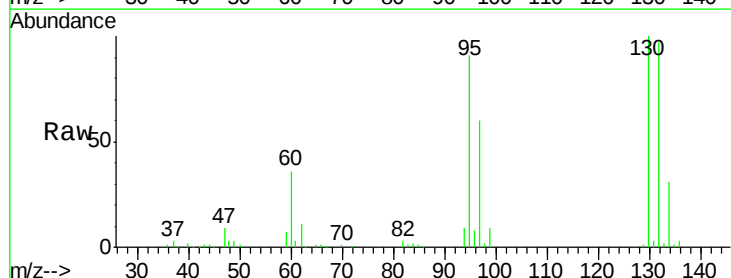
RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Tgt Ion:	130	Resp:	154457
Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	188.0





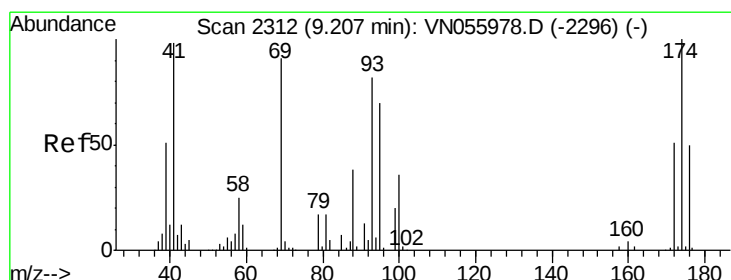
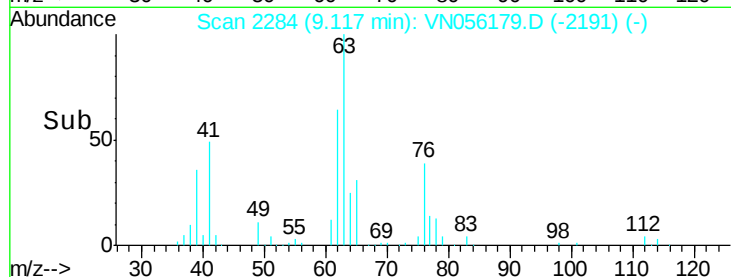
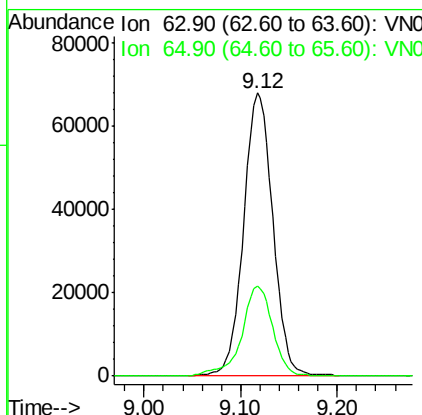
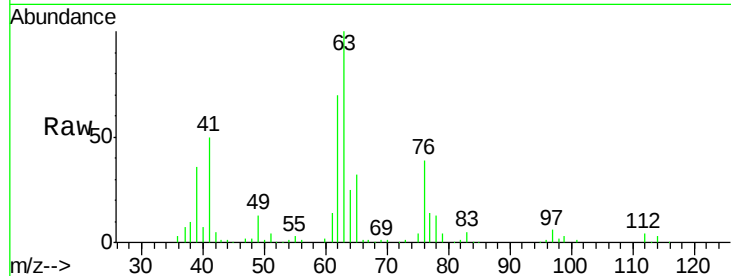
#45
 1,2-Dichloropropane
 Concen: 52.764 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 63 Resp: 143113
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.6 36.8

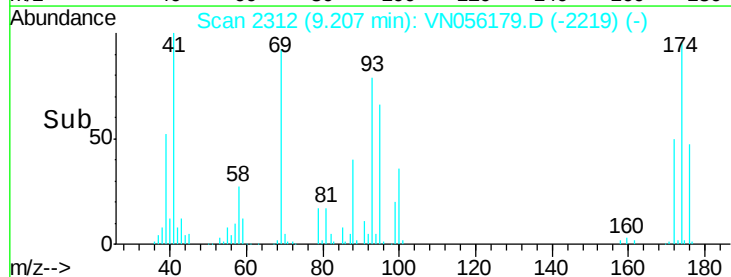
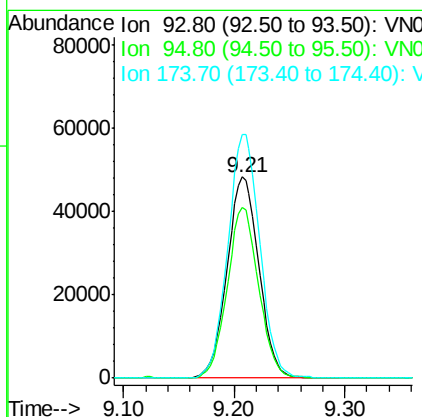
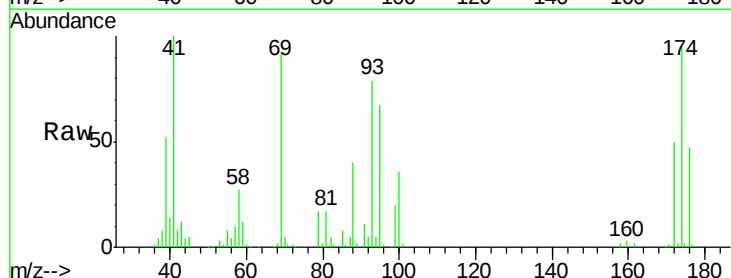
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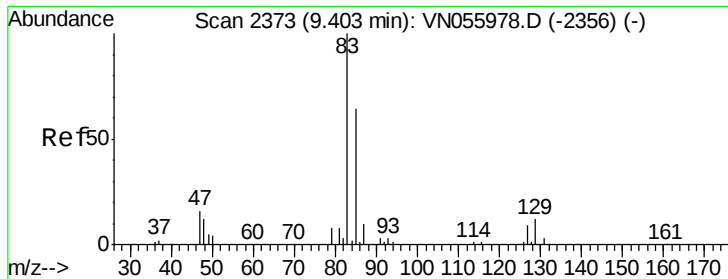
MMDadoda
 6/11/2019 11:59:45 AM



#46
 Dibromomethane
 Concen: 54.485 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Tgt Ion: 93 Resp: 96637
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.7 100.1
 174 121.5 96.4 144.6





#47

Bromodichloromethane

Concen: 55.229 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 83 Resp: 177538

Ion Ratio Lower Upper

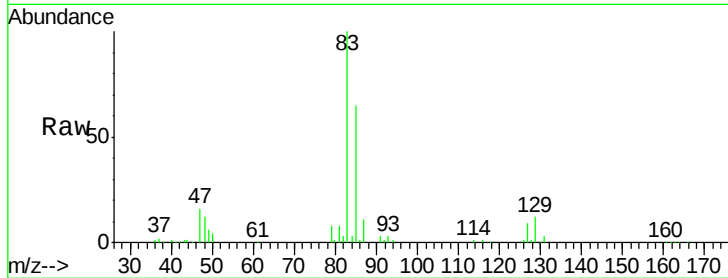
83 100

85 65.3 52.2 78.2

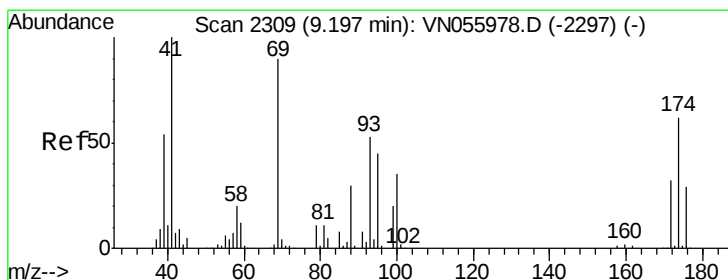
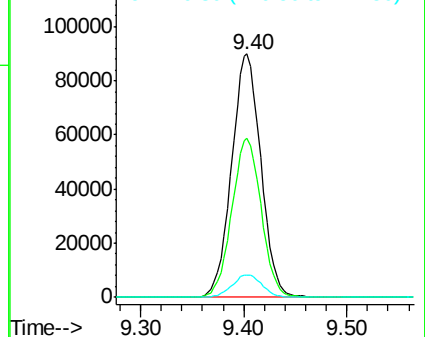
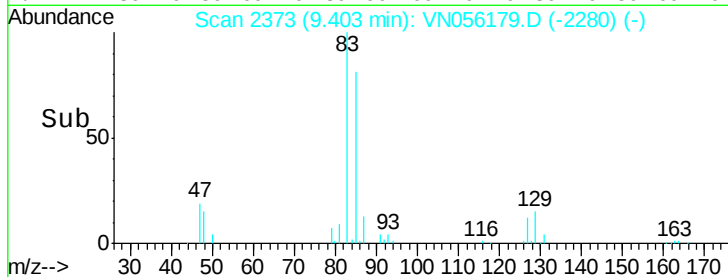
127 9.3 7.4 11.0

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Abundance Ion 82.90 (82.60 to 83.60): VN056179.D (-2280) (-)



#48

Methyl methacrylate

Concen: 56.013 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

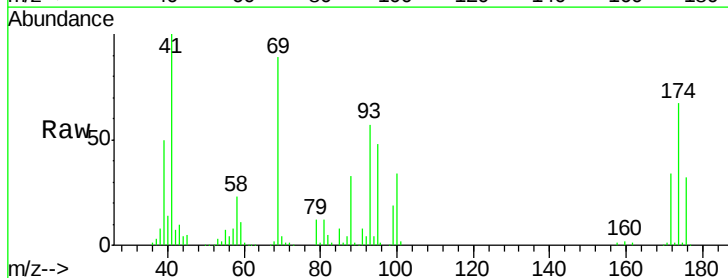
Tgt Ion: 41 Resp: 137750

Ion Ratio Lower Upper

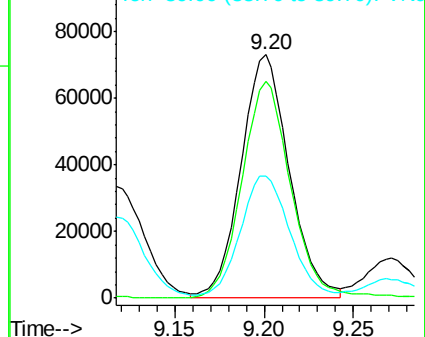
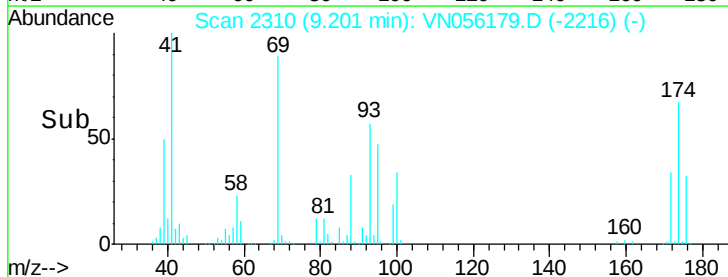
41 100

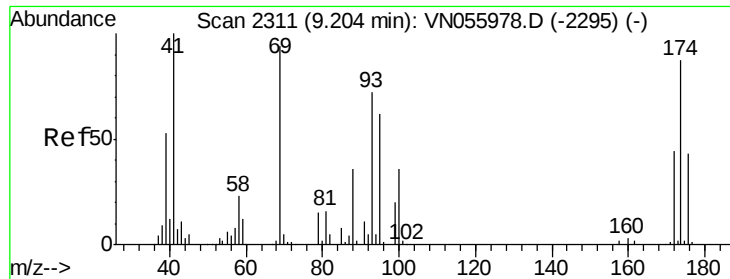
69 90.8 71.0 106.6

39 51.8 44.2 66.2



Abundance Ion 41.00 (40.70 to 41.70): VN056179.D (-2216) (-)





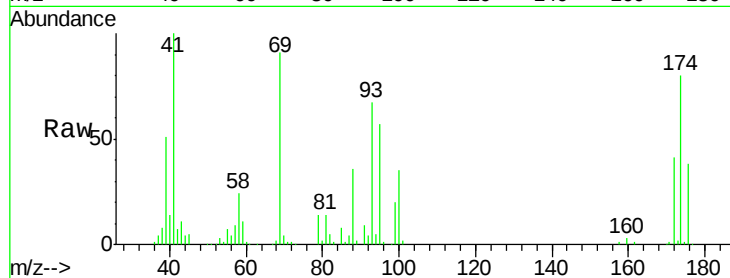
#49
1,4-Dioxane
Concen: 1144.948 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	88	Resp	60788
Ion	Ratio	Lower	Upper
88	100		
43	25.9	20.5	30.7
58	68.6	55.8	83.6

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6/11/2019 11:59:45 AM

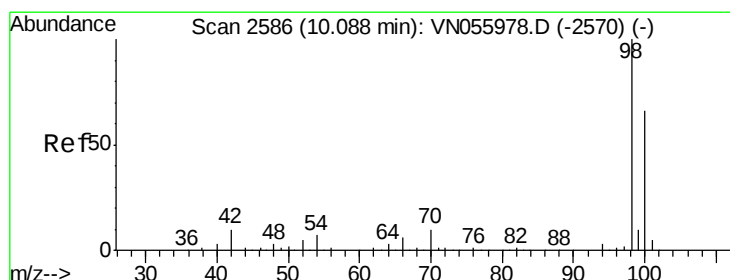
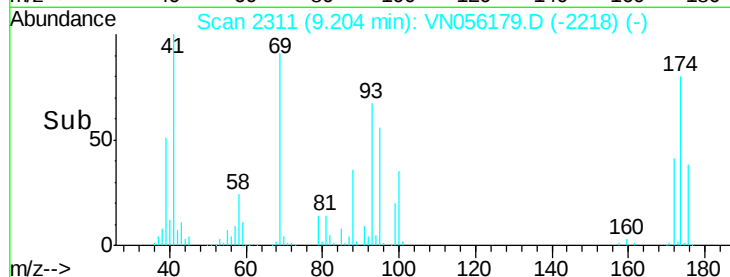
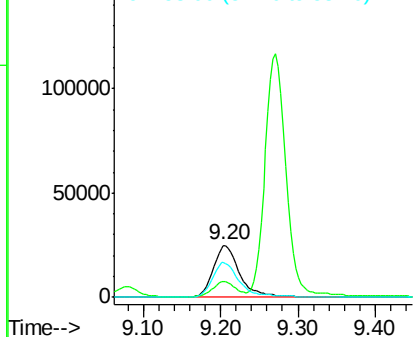


Abundance

Ion 88.00 (87.70 to 88.70): VN055978.D (-2295) (-)

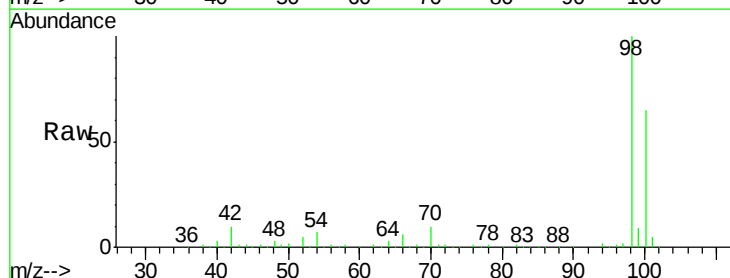
Ion 43.00 (42.70 to 43.70): VN055978.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2295) (-)



#50
Toluene-d8
Concen: 50.836 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

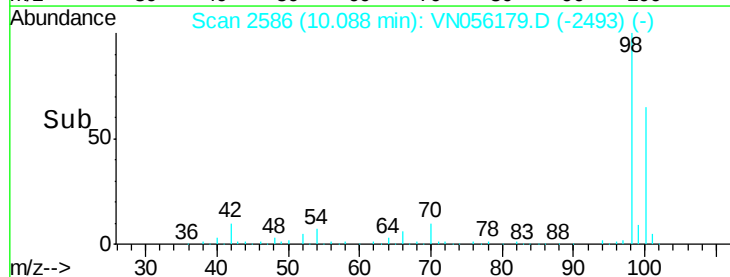
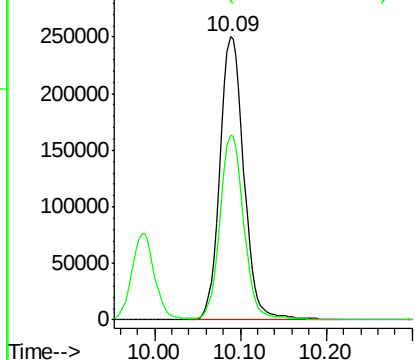
Tgt Ion	98	Resp	486624
Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.9	77.9



Abundance

Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)





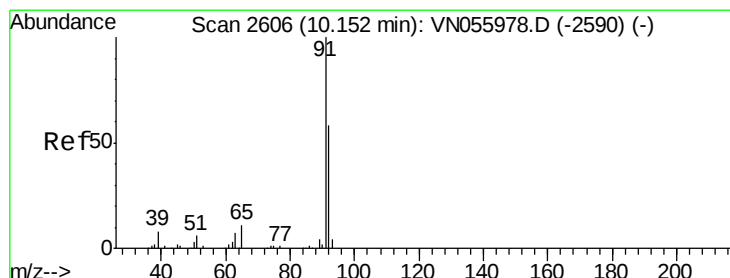
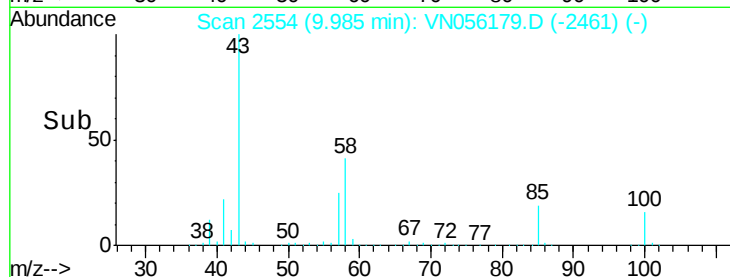
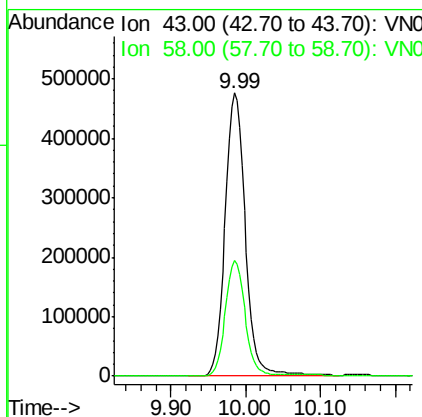
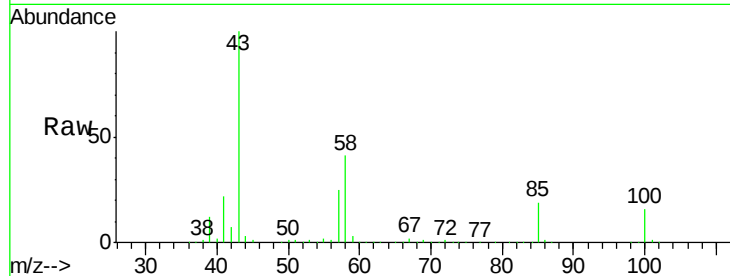
#51
4-Methyl-2-Pentanone
Concen: 283.007 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	32.1	48.1

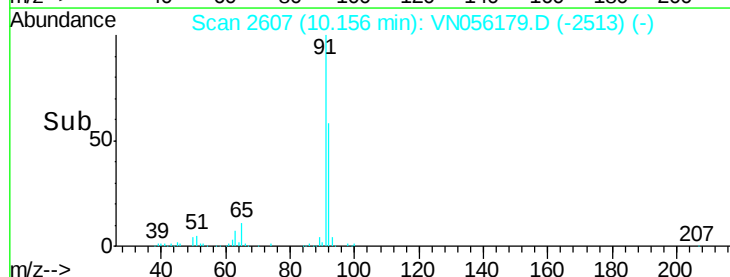
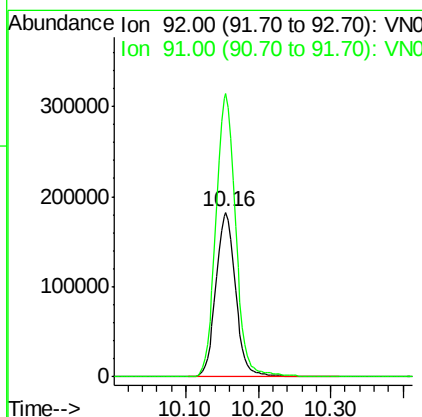
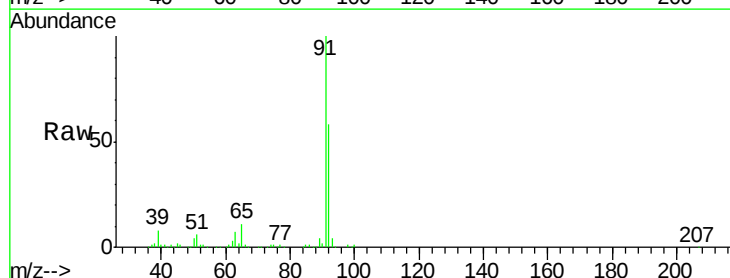
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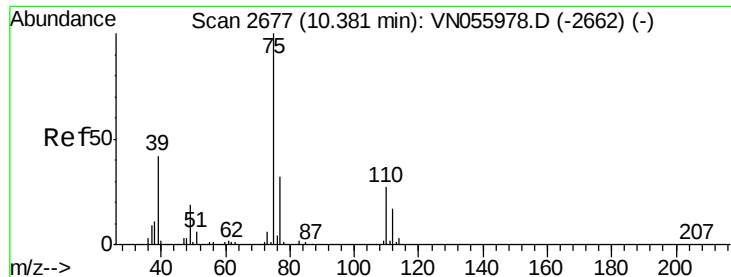
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#52
Toluene
Concen: 52.354 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.5	139.4	209.2





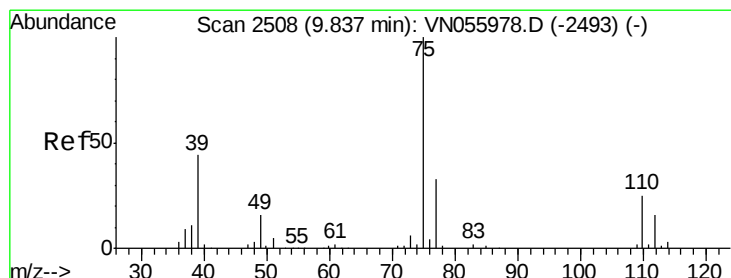
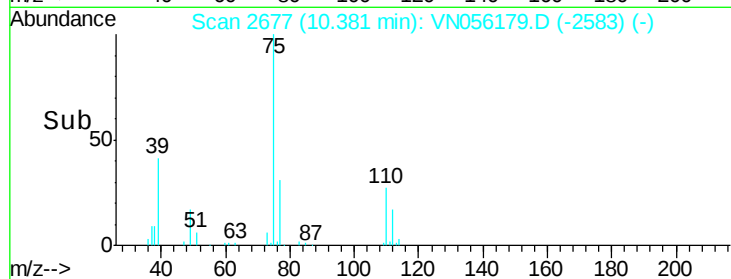
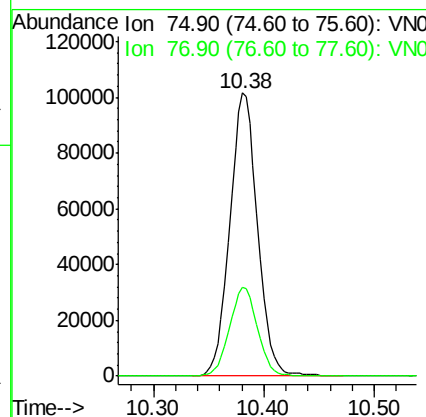
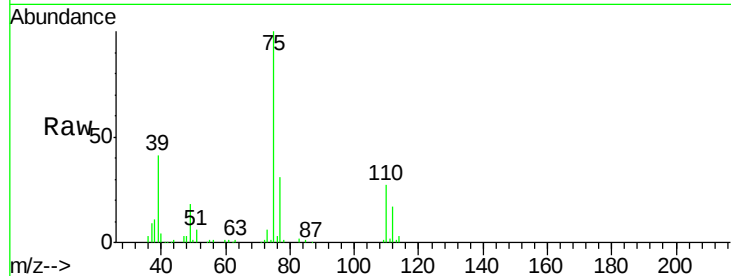
#53
t-1,3-Dichloropropene
Concen: 47.087 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	75	Resp	176911
Ion Ratio	Lower	Upper	
75	100		
77	31.0	25.8	38.6

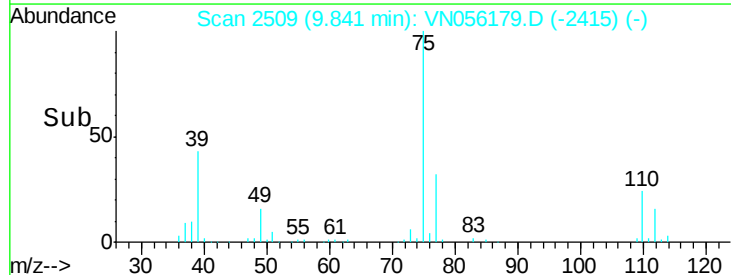
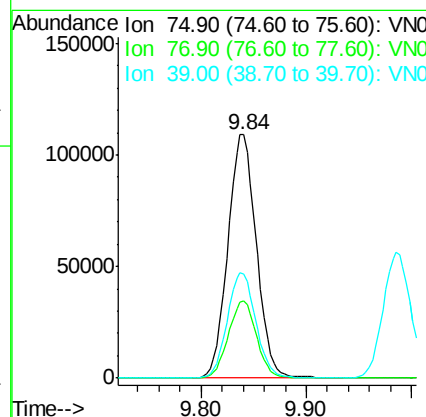
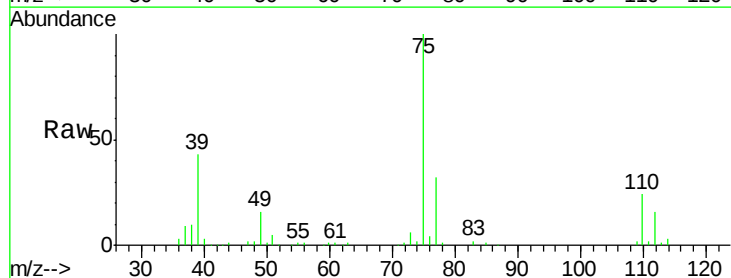
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#54
cis-1,3-Dichloropropene
Concen: 52.807 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion	75	Resp	204044
Ion Ratio	Lower	Upper	
75	100		
77	31.9	25.4	38.0
39	42.7	36.3	54.5





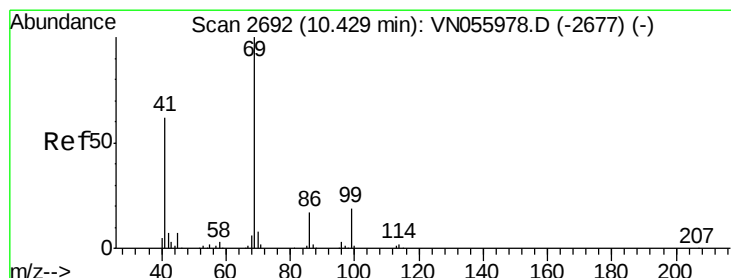
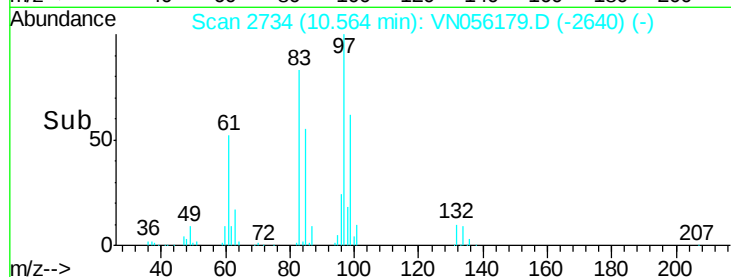
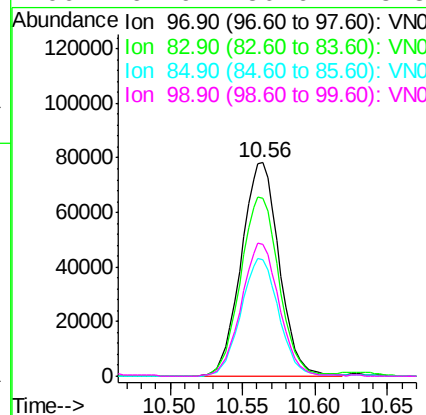
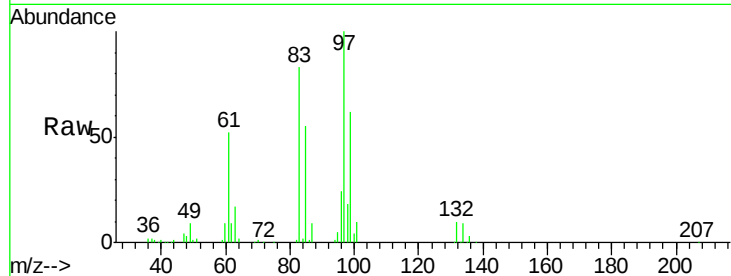
#55
 1,1,2-Trichloroethane
 Concen: 54.707 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		142790		
83	83.3	67.0	100.6		
85	54.6	44.0	66.0		
99	61.9	50.6	75.8		

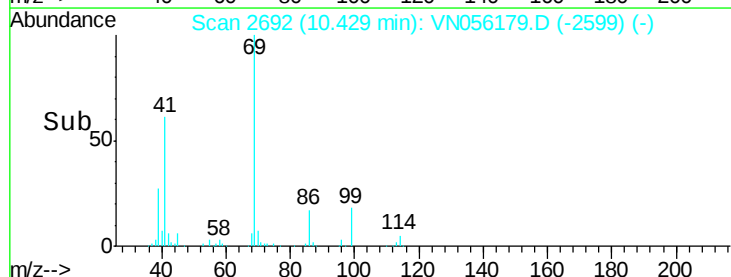
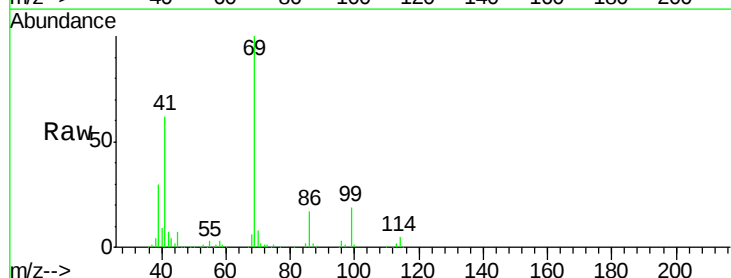
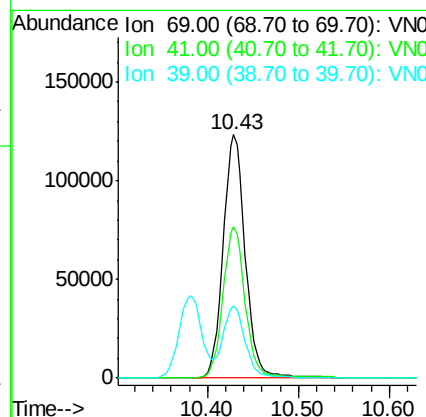
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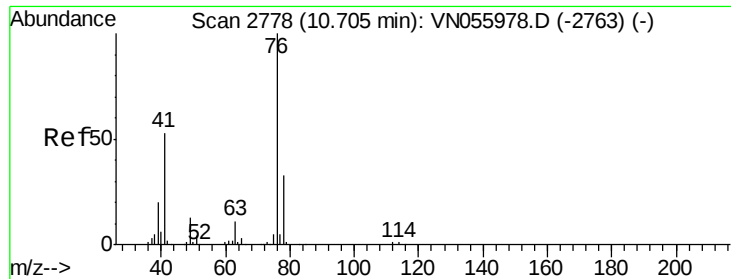
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#56
 Ethyl methacrylate
 Concen: 54.681 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		208213		
41	61.2	49.7	74.5		
39	29.4	24.7	37.1		





#57

1,3-Dichloropropane

Concen: 54.328 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 76 Resp: 230516

Ion Ratio Lower Upper

76 100

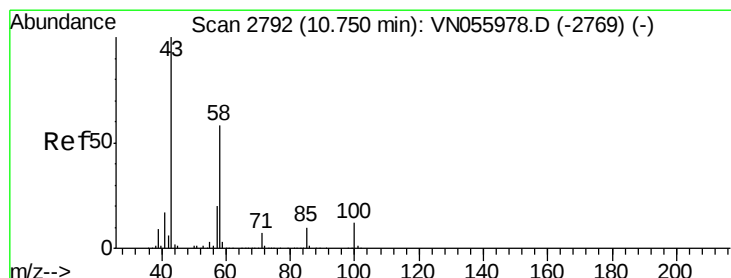
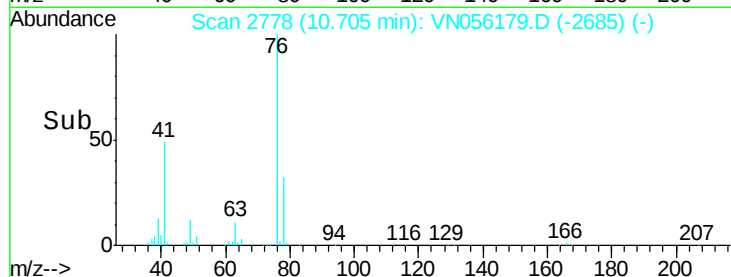
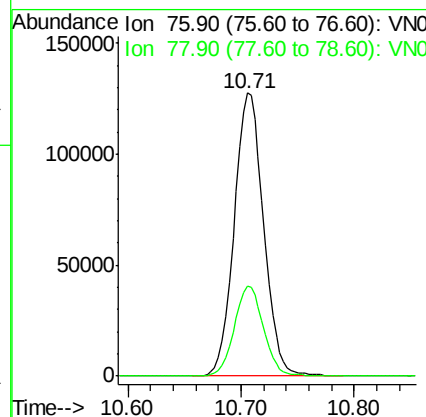
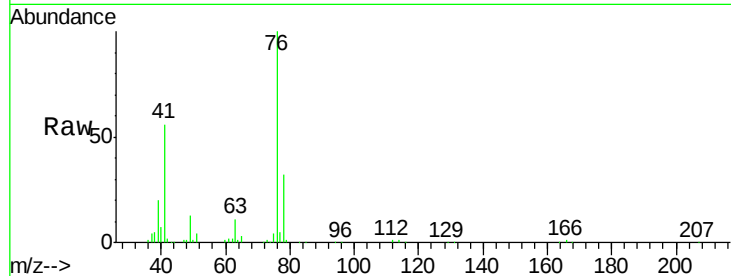
78 31.8 25.8 38.6

Manual Integrations

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6/11/2019 11:59:45 AM



#59

2-Hexanone

Concen: 268.377 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN056179.D

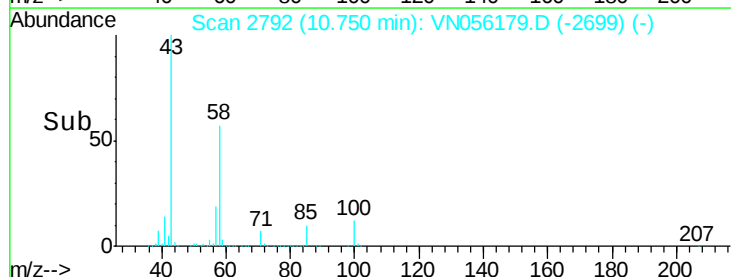
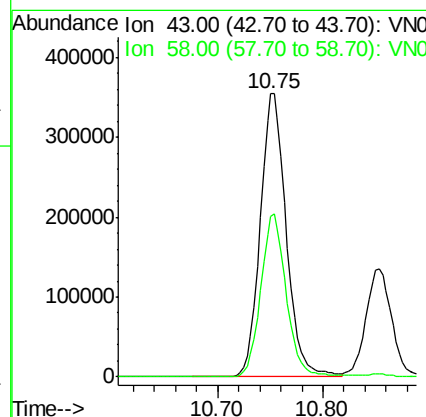
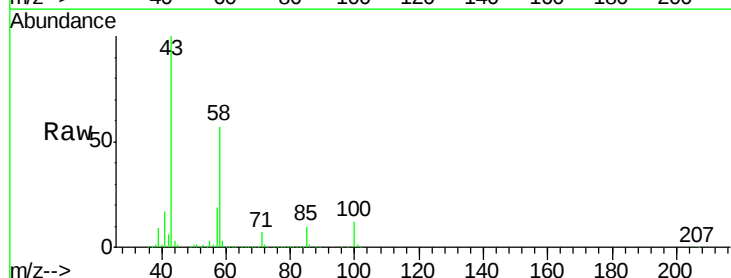
Acq: 10 Jun 2019 19:09

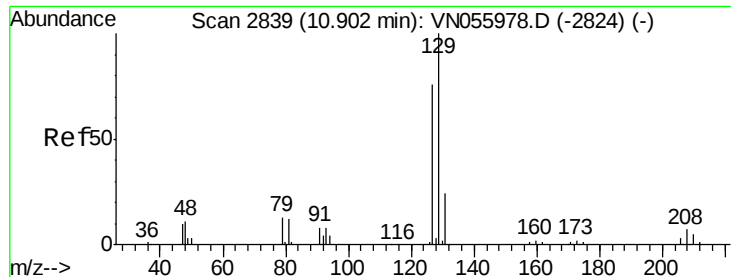
Tgt Ion: 43 Resp: 611455

Ion Ratio Lower Upper

43 100

58 56.4 28.2 84.7





#60

Dibromochloromethane

Concen: 52.344 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:129 Resp: 151027

Ion Ratio Lower Upper

129 100

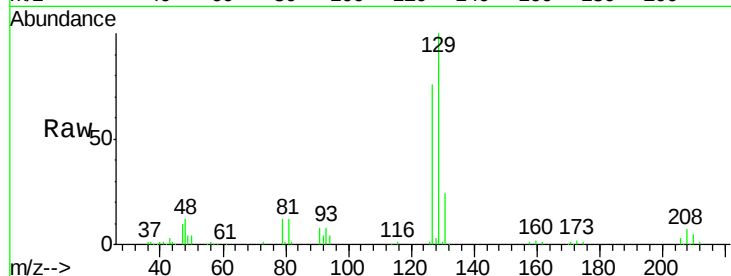
127 77.2 38.1 114.3

Manual Integrations

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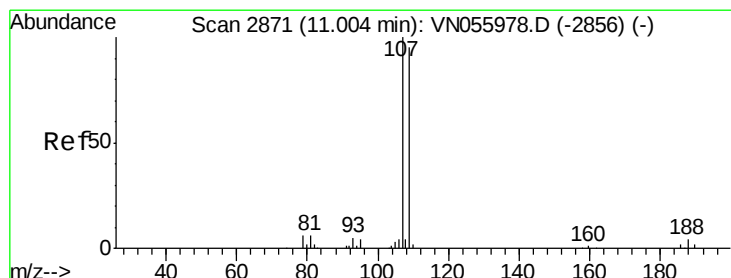
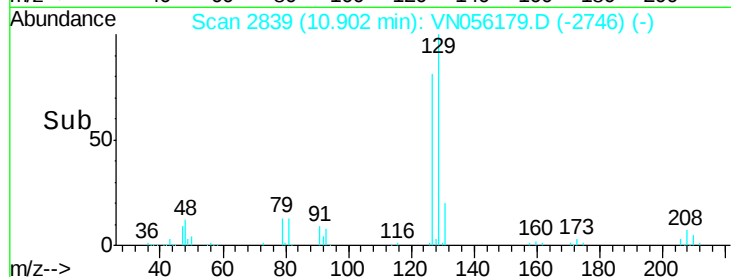
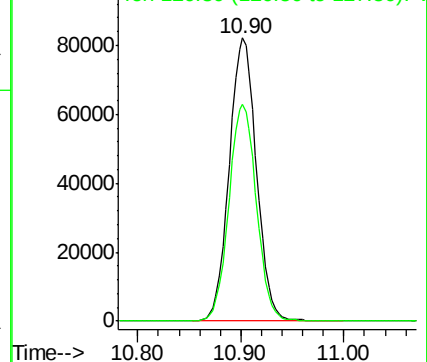
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 55.145 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056179.D

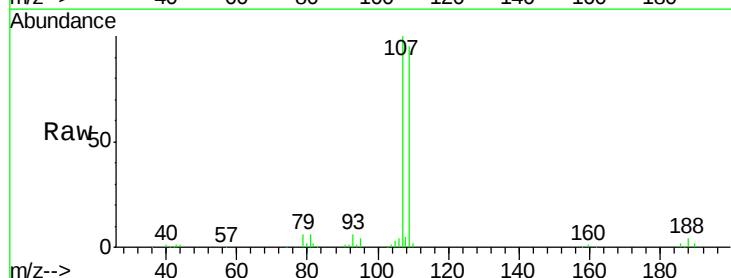
Acq: 10 Jun 2019 19:09

Tgt Ion:107 Resp: 147143

Ion Ratio Lower Upper

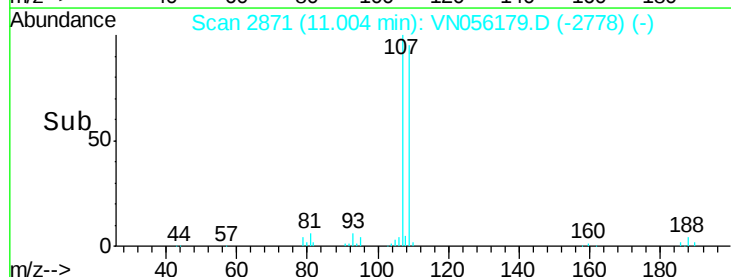
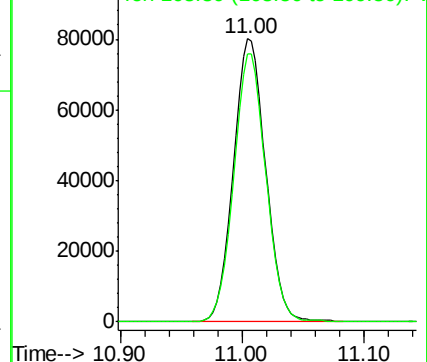
107 100

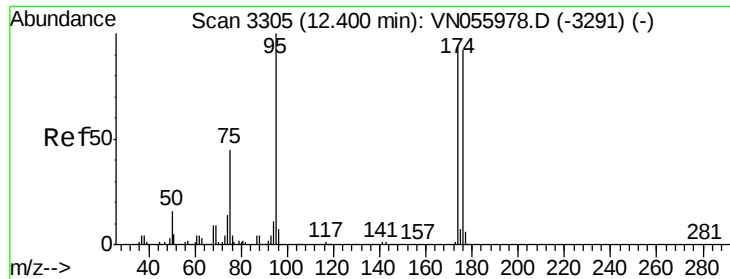
109 94.3 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





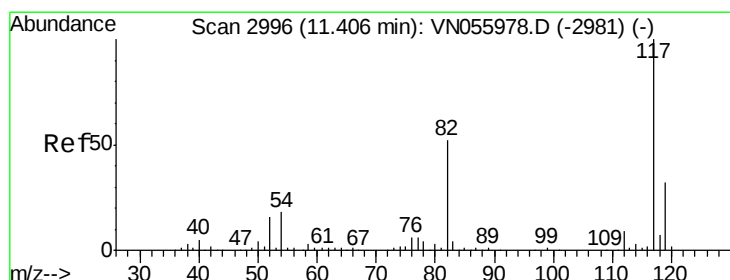
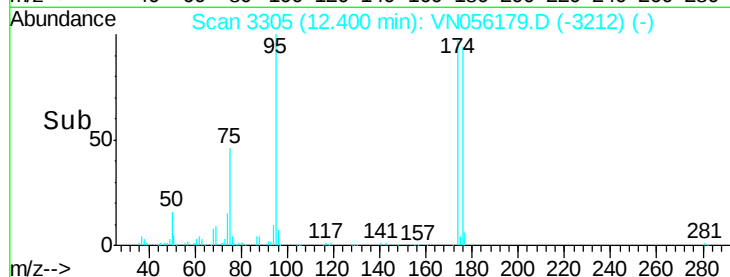
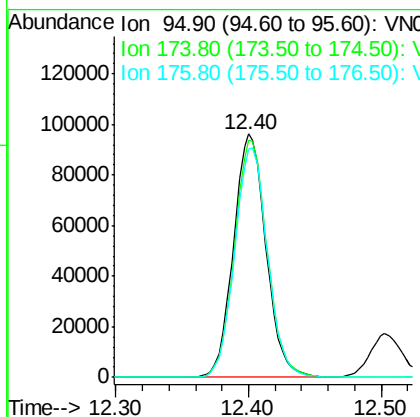
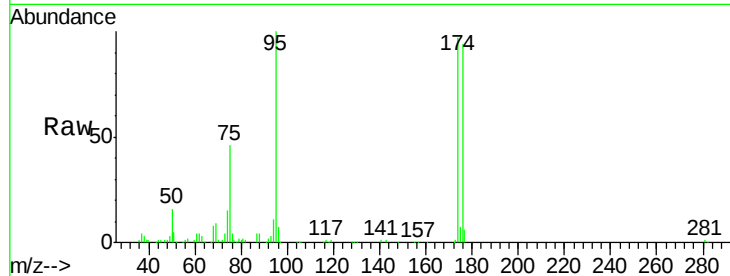
#62
4-Bromofluorobenzene
Concen: 50.149 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Resp	Lower	Upper
95	100	163252		
174	98.2	0.0	191.0	
176	95.6	0.0	185.2	

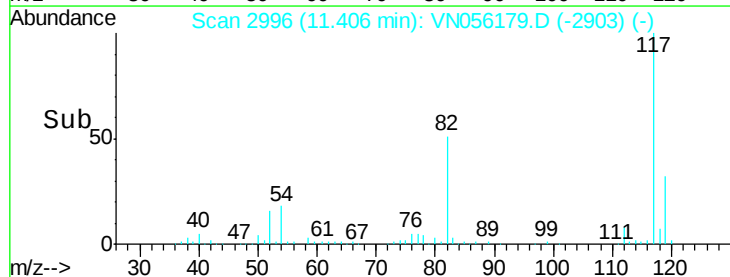
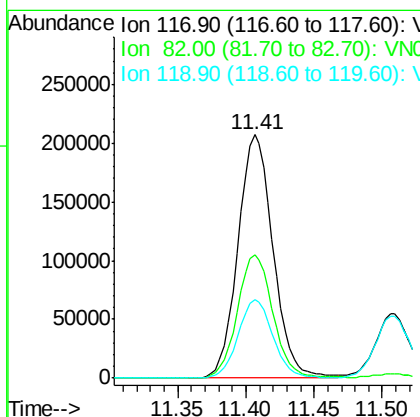
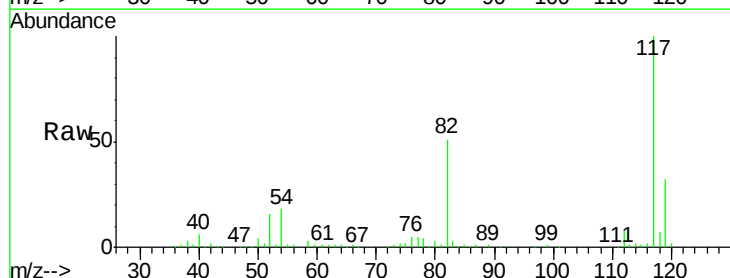
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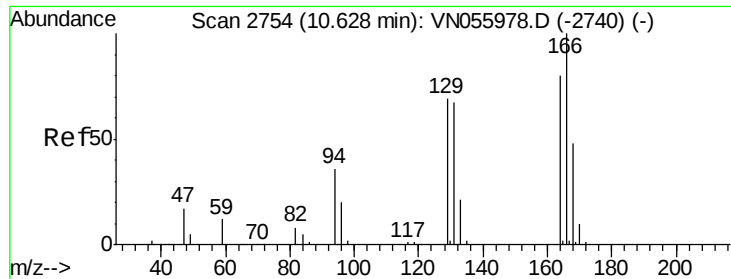
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	370364		
82	50.8	41.8	62.8	
119	32.3	25.4	38.0	





#64

Tetrachloroethene

Concen: 47.478 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:164 Resp: 152209

Ion Ratio Lower Upper

164 100

166 130.9 103.0 154.6

129 90.9 70.6 105.8

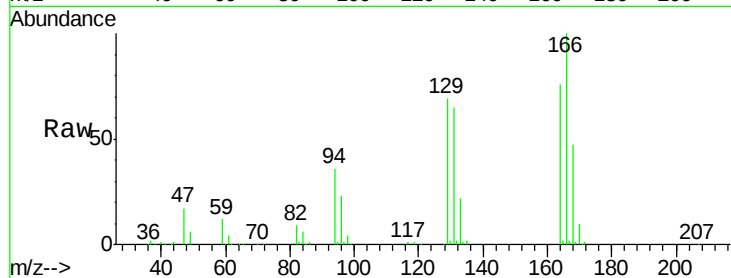
131 85.6 68.6 102.8

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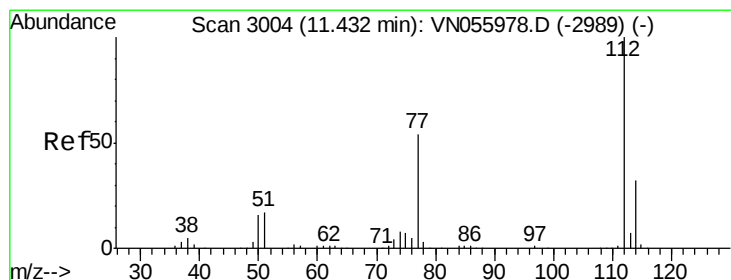
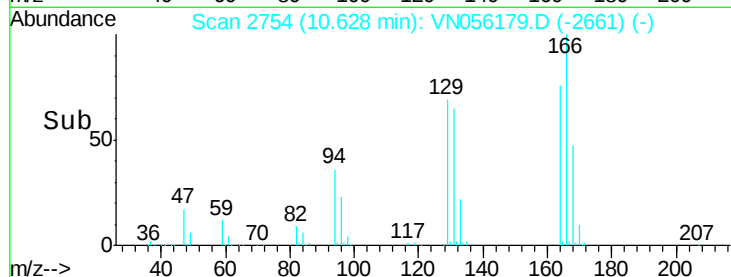
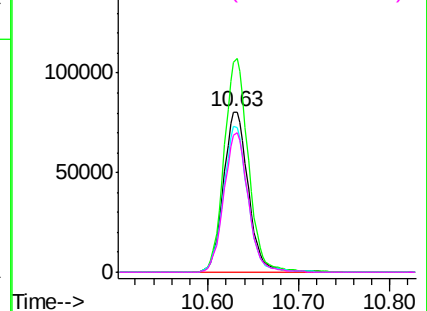


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 50.139 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056179.D

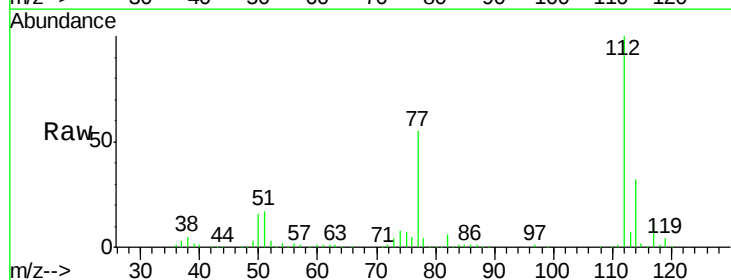
Acq: 10 Jun 2019 19:09

Tgt Ion:112 Resp: 369574

Ion Ratio Lower Upper

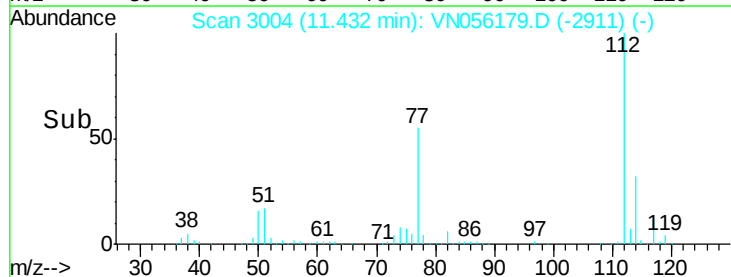
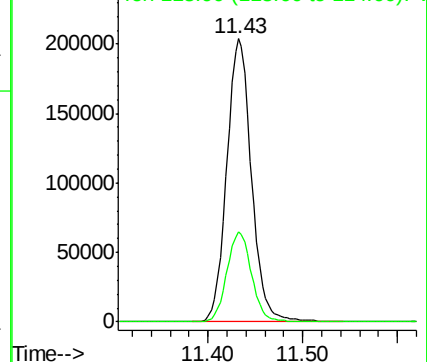
112 100

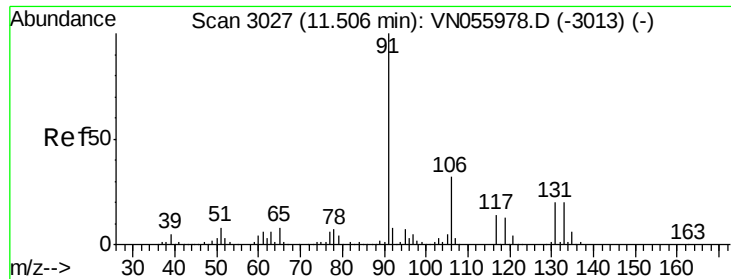
114 31.7 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 54.330 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

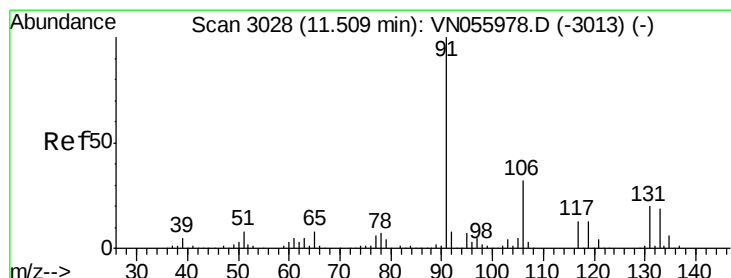
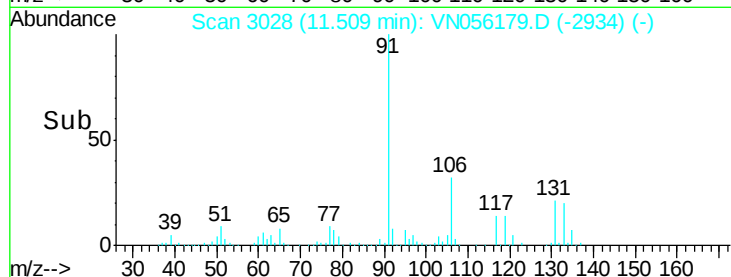
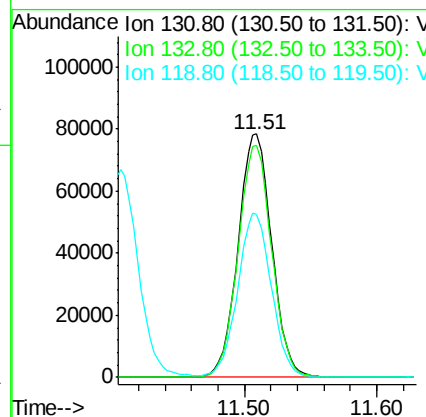
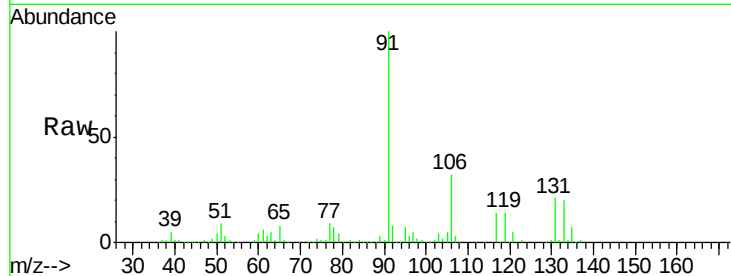
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Resp	Lower	Upper
131	100	138275		
133	95.1	48.0	144.0	
119	67.7	33.1	99.5	

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#67

Ethyl Benzene

Concen: 49.928 ug/l

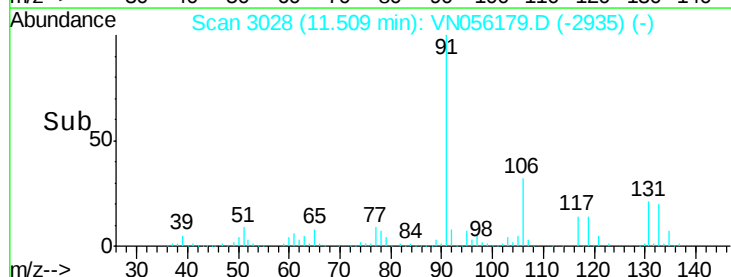
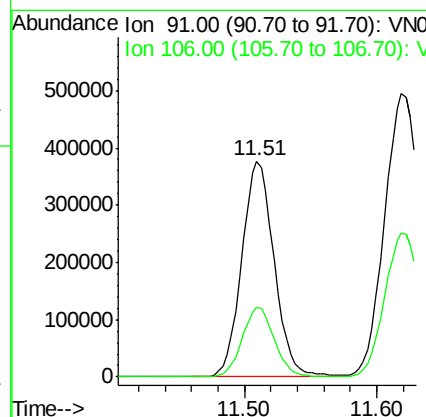
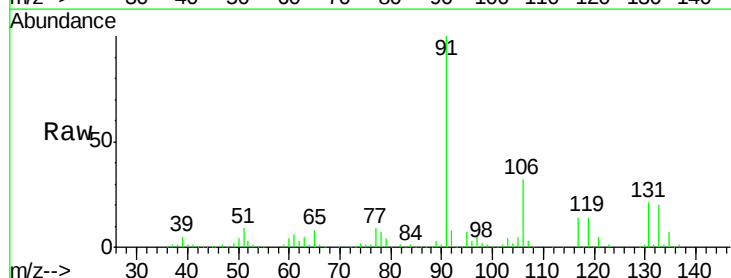
RT: 11.51 min Scan# 3028

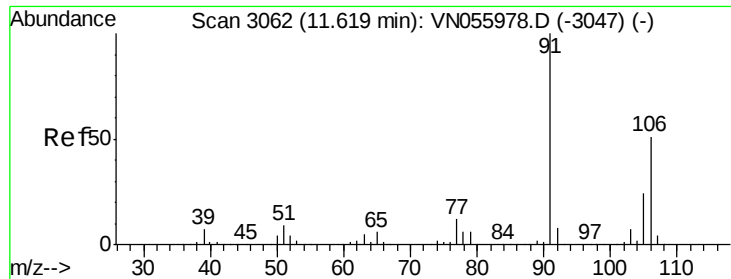
Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	639922		
106	32.0	25.1	37.7	





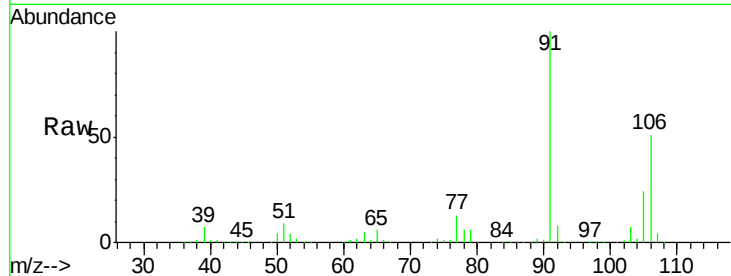
#68
m/p-Xvlenes
Concen: 100.301 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

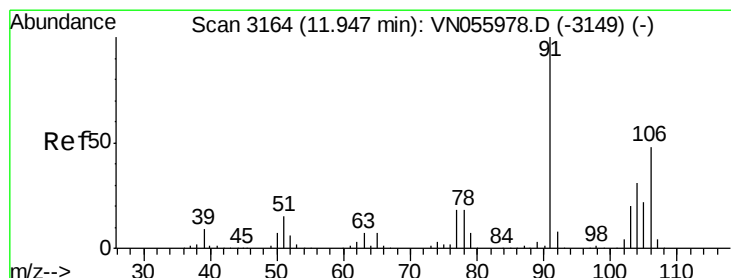
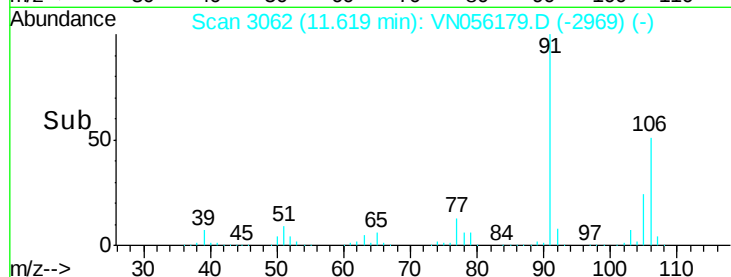
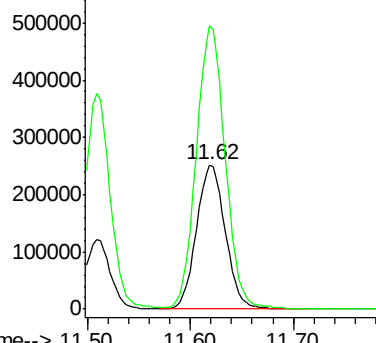
Tot Ion:106 Resp: 491095
Ion Ratio Lower Upper
106 100
91 197.2 159.3 238.9

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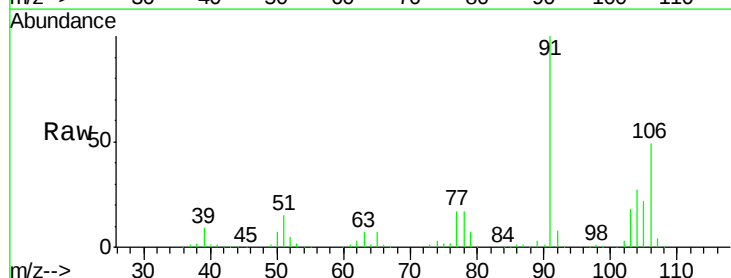


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

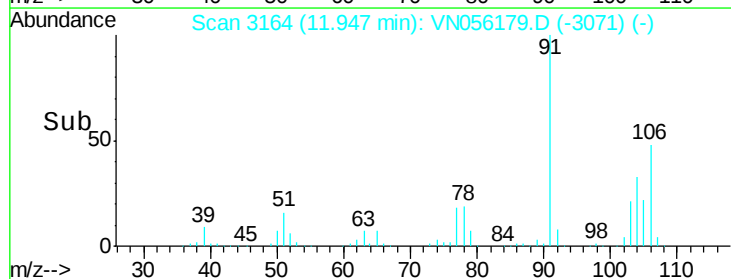
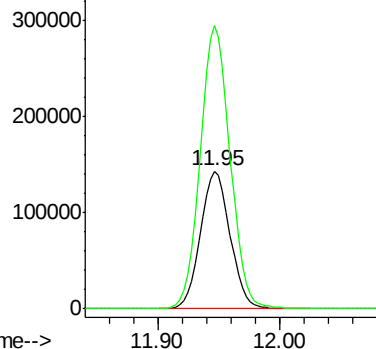


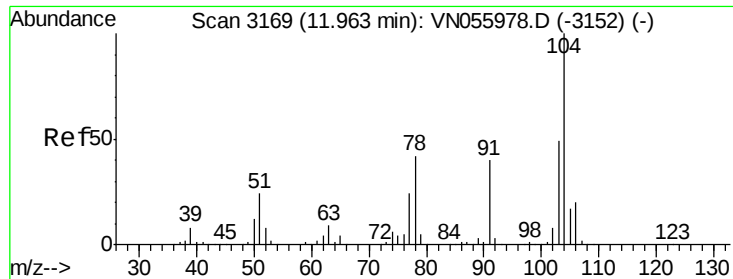
#69
o-Xylene
Concen: 50.399 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion:106 Resp: 242733
Ion Ratio Lower Upper
106 100
91 206.8 104.7 314.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





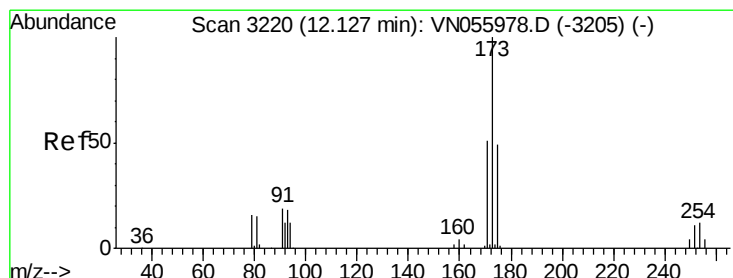
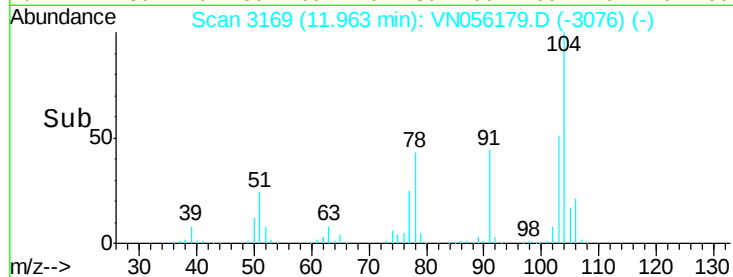
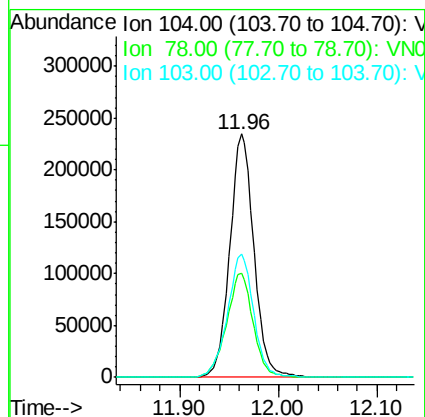
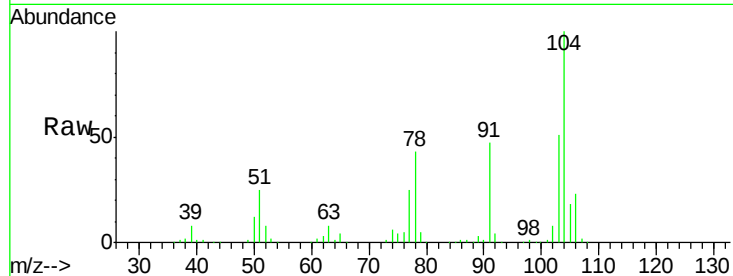
#70
Stvrene
Concen: 52.432 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.0	37.8	56.6
103	55.0	44.2	66.2

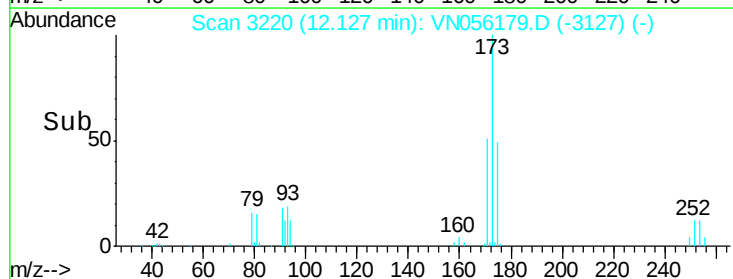
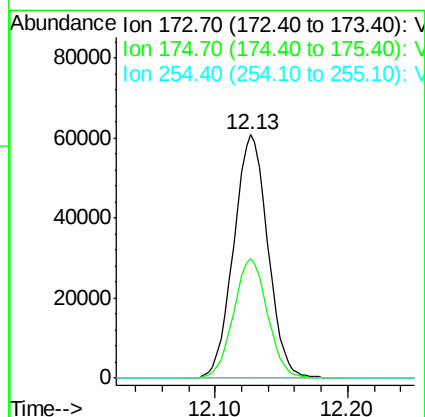
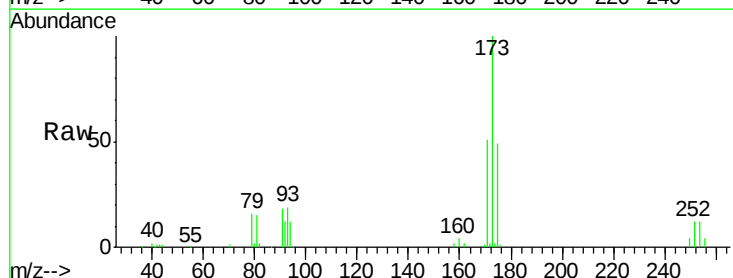
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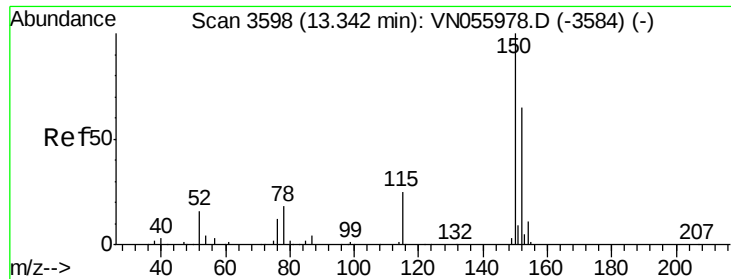
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#71
Bromoform
Concen: 50.740 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.8
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: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

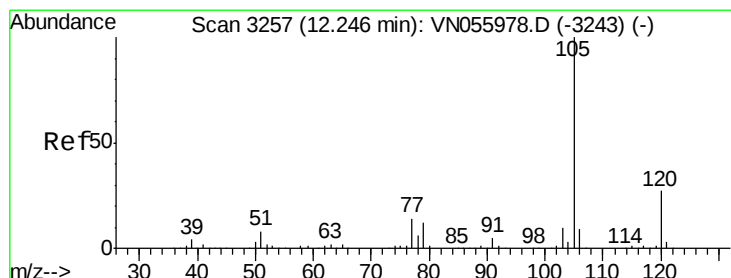
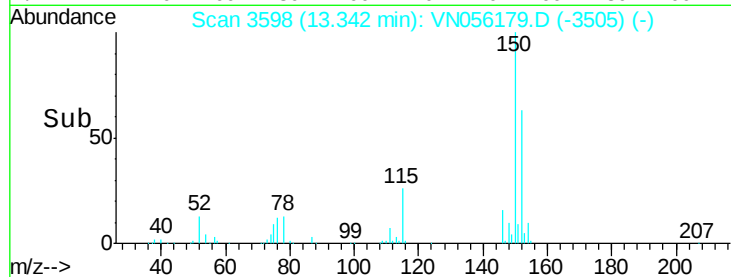
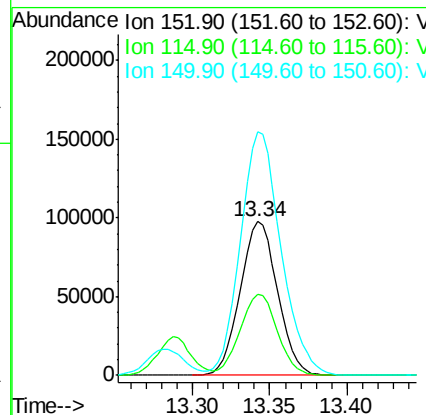
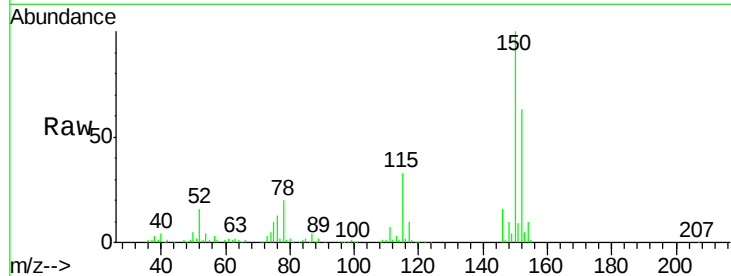
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:	152	Resp:	163733
Ion Ratio	Lower	Upper	
152	100		
115	52.8	27.0	81.0
150	172.5	0.0	343.2

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#73

Isopropylbenzene

Concen: 54.279 ug/l

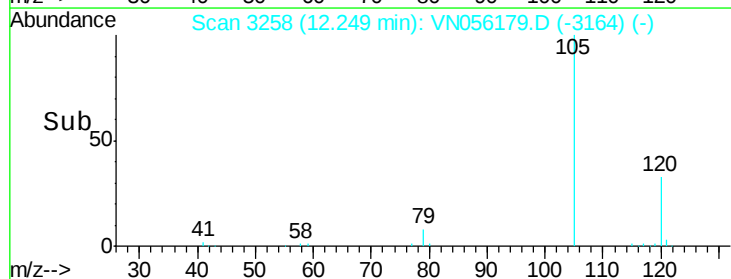
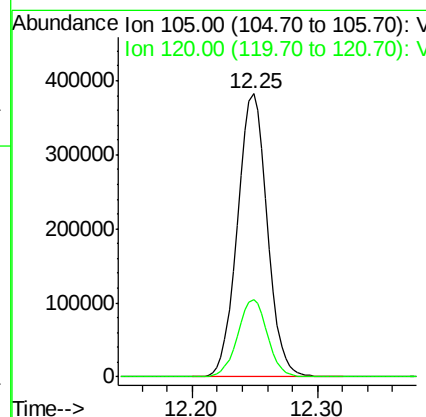
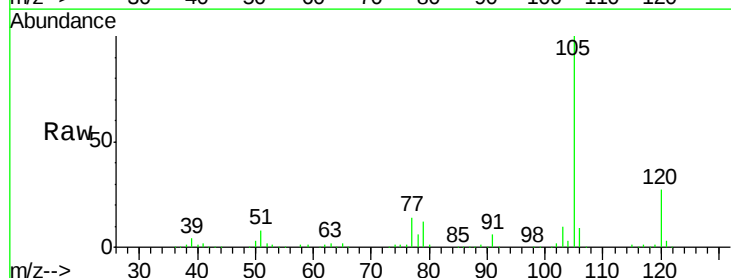
RT: 12.25 min Scan# 3258

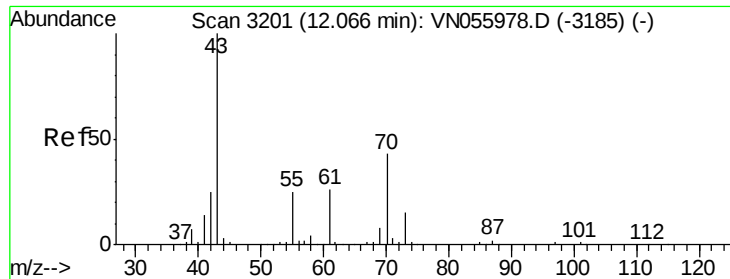
Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Tgt Ion:	105	Resp:	631064
Ion Ratio	Lower	Upper	
105	100		
120	27.2	13.6	40.7





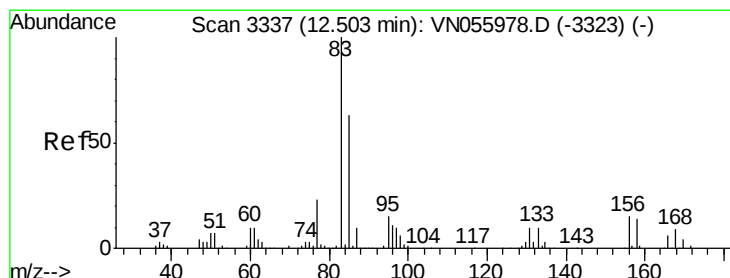
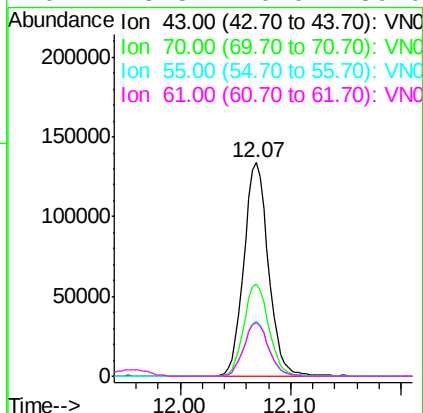
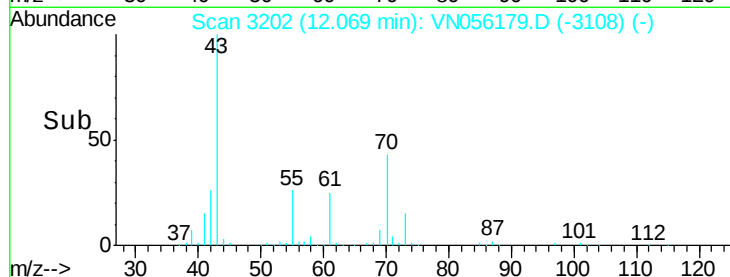
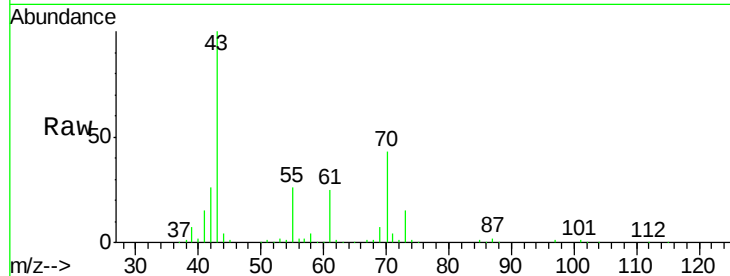
#74
N-amvl acetate
Concen: 47.388 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		206827		
70	44.1	34.0	51.0		
55	25.8	18.6	28.0		
61	25.3	20.0	30.0		

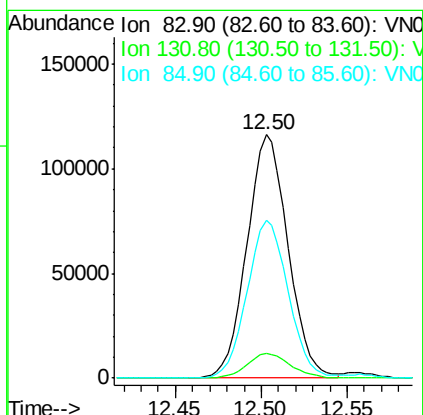
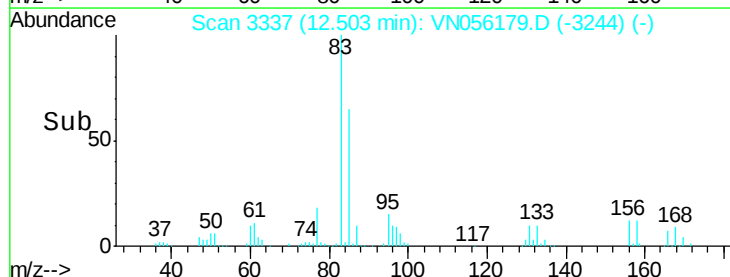
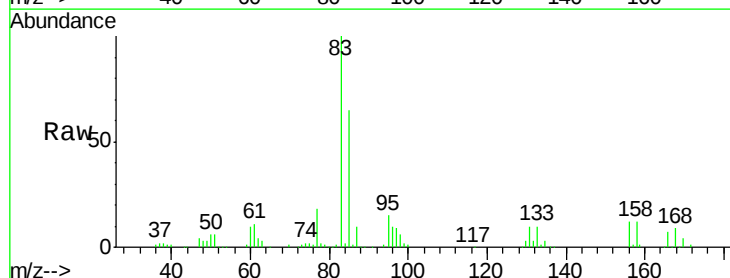
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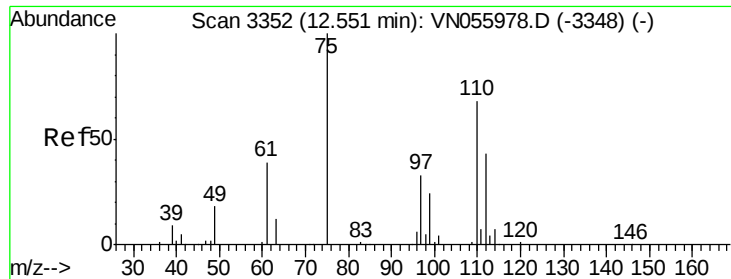
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#75
1,1,2,2-Tetrachloroethane
Concen: 50.773 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		192986		
131	10.7	5.4	16.2		
85	65.0	32.4	97.0		





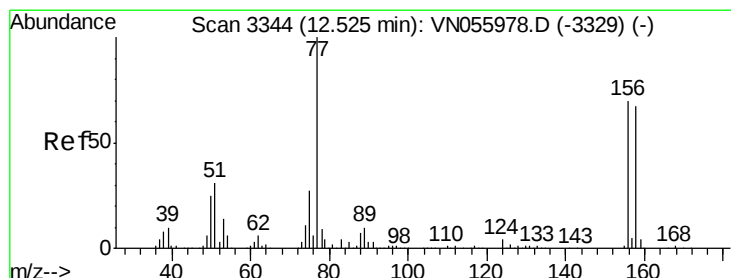
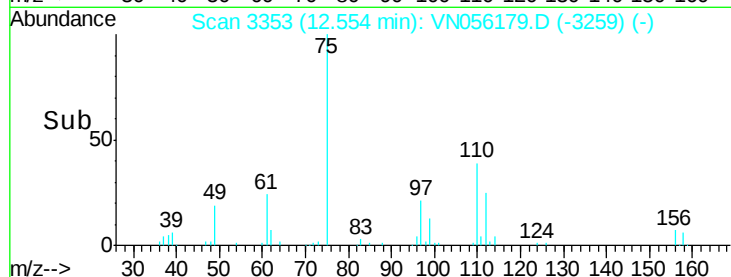
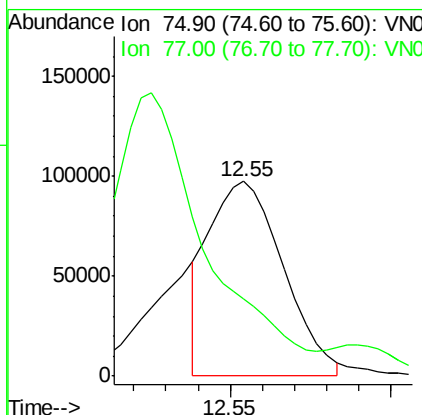
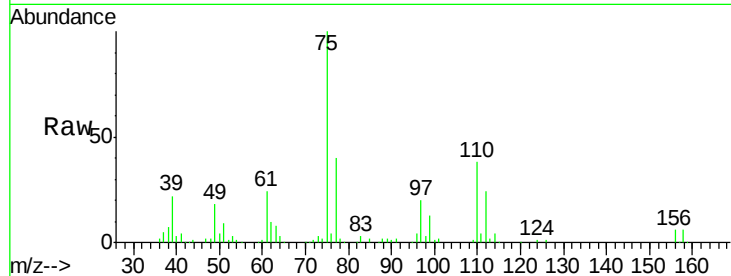
#76
1,2,3-Trichloropropane
Concen: 52.240 ug/l m
RT: 12.55 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 75 Resp: 157387
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

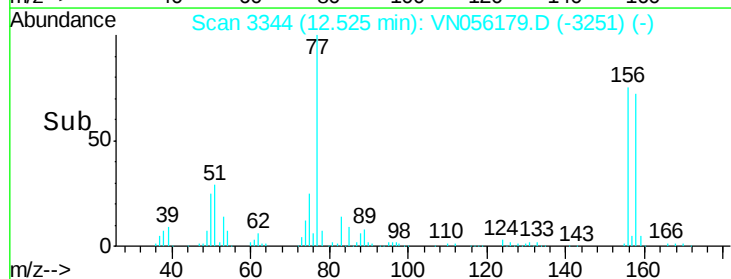
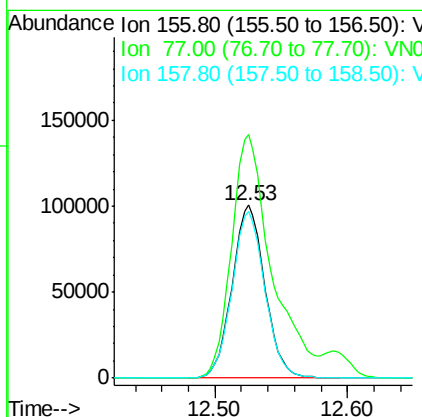
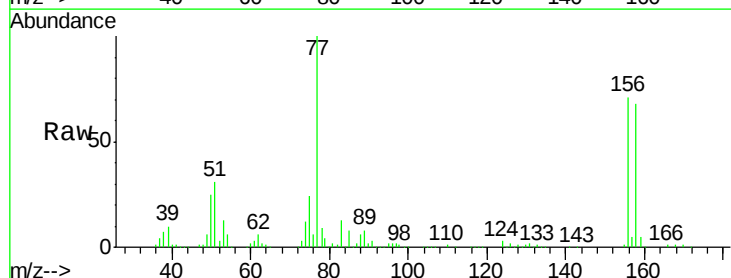
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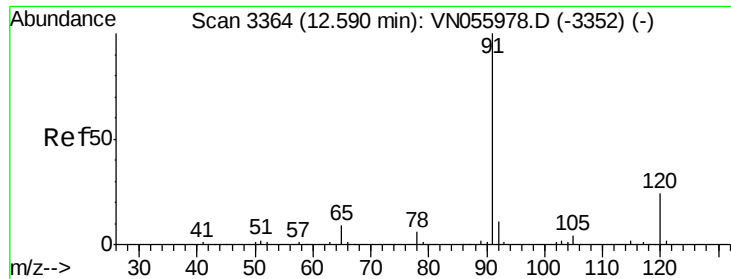
MMDadoda
6/11/2019 11:59:45 AM



#77
Bromobenzene
Concen: 49.254 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion: 156 Resp: 172659
Ion Ratio Lower Upper
156 100
77 172.6 90.8 272.5
158 96.4 49.3 147.8





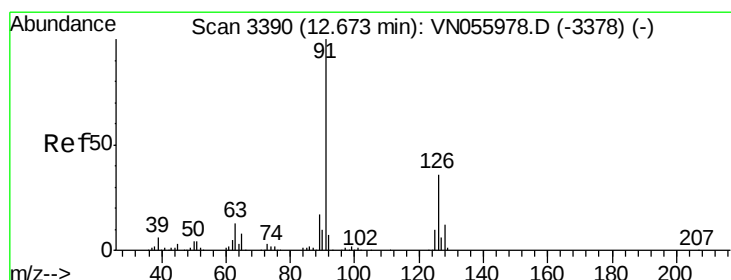
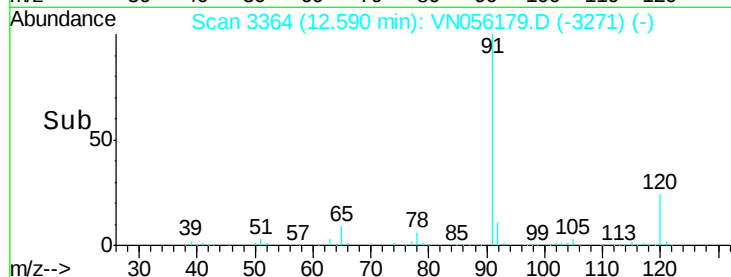
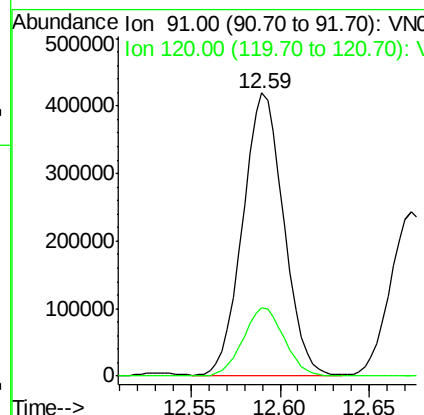
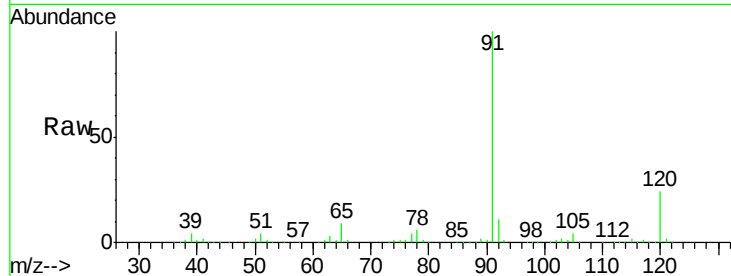
#78
n-propylbenzene
Concen: 48.287 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 91 Resp: 668851
Ion Ratio Lower Upper
91 100
120 24.4 12.0 36.0

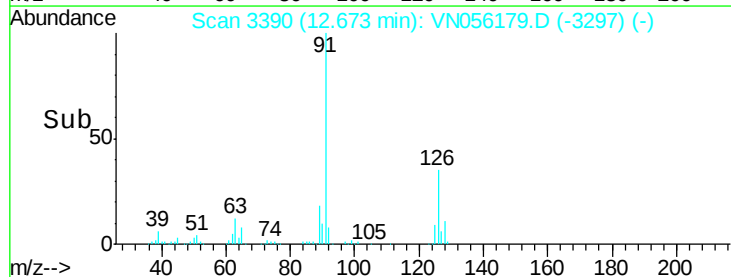
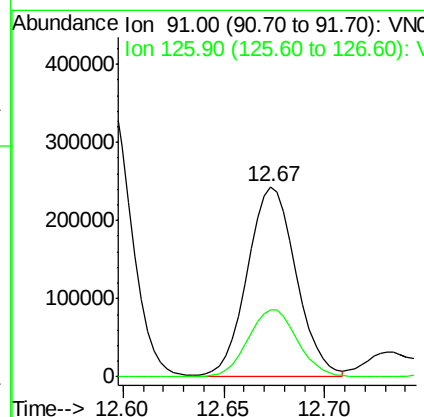
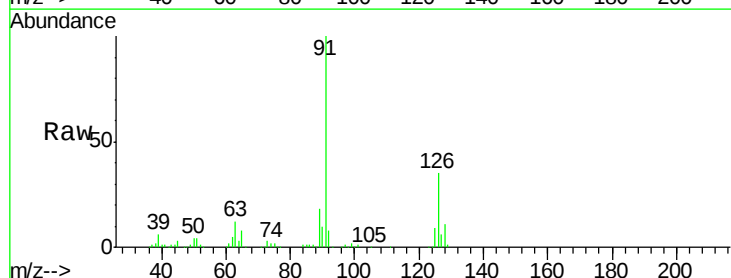
Manual Integrations
APPROVED

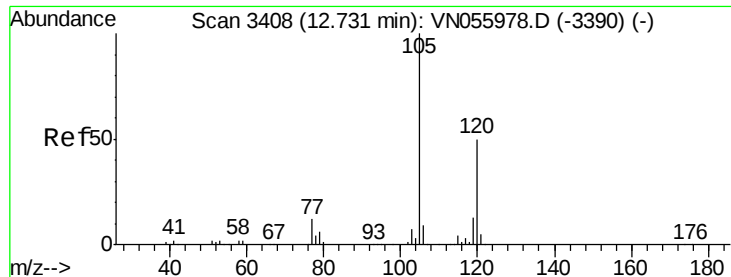
MMDadoda
6/11/2019 11:59:45 AM



#79
2-Chlorotoluene
Concen: 53.394 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion: 91 Resp: 409018
Ion Ratio Lower Upper
91 100
126 36.2 18.1 54.4





#80

1,3,5-Trimethylbenzene

Concen: 46.838 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:105 Resp: 515632

Ion Ratio Lower Upper

105 100

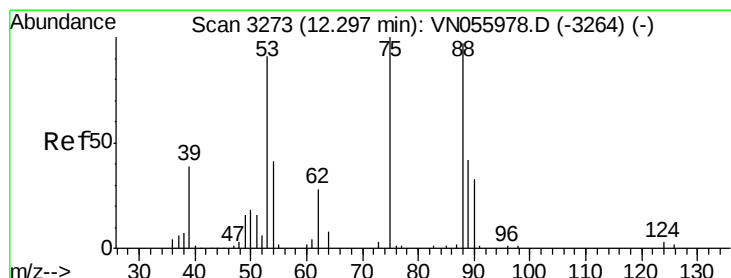
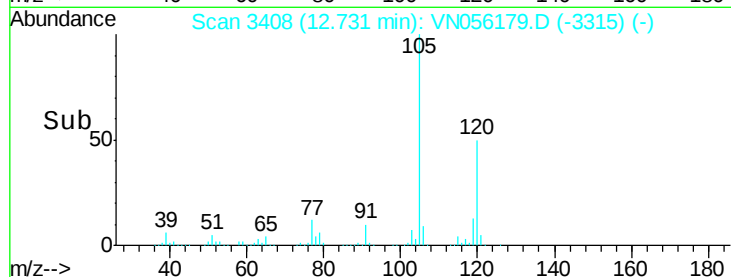
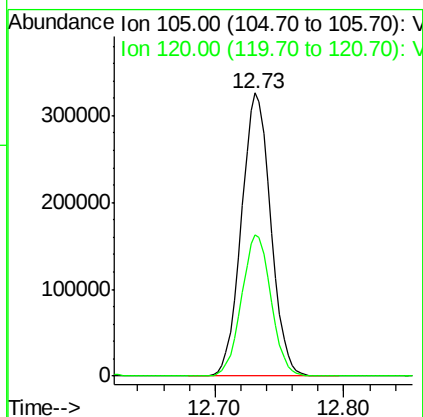
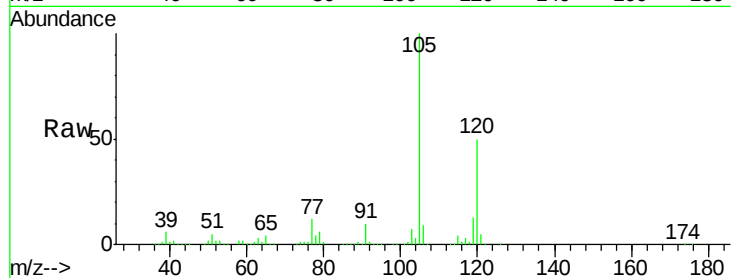
120 50.1 24.7 74.1

Manual Integrations

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6/11/2019 11:59:45 AM



#81

trans-1,4-Dichloro-2-butene

Concen: 50.164 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

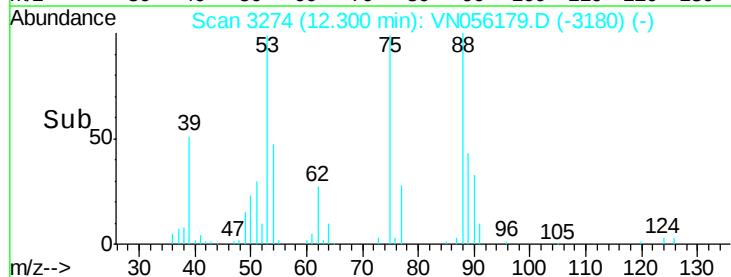
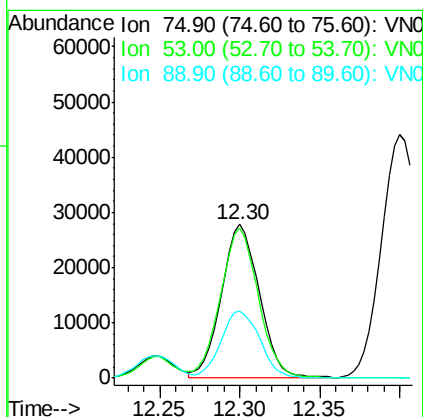
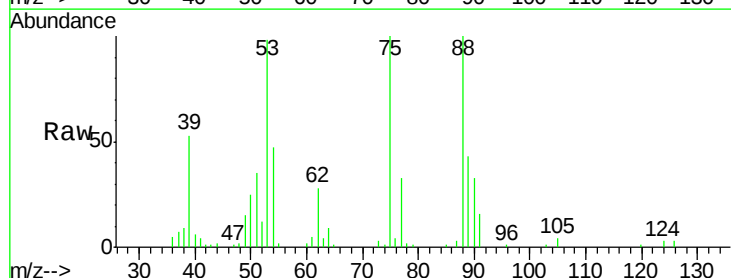
Tgt Ion: 75 Resp: 45382

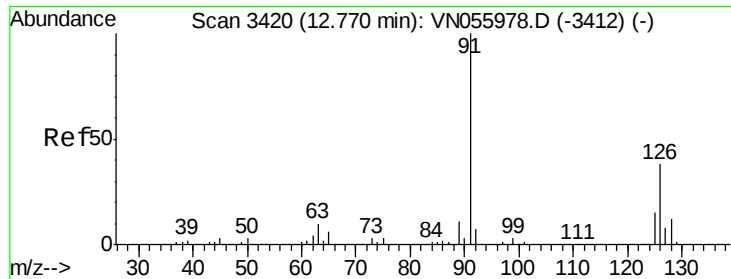
Ion Ratio Lower Upper

75 100

53 97.7 68.1 102.1

89 44.5 36.9 55.3





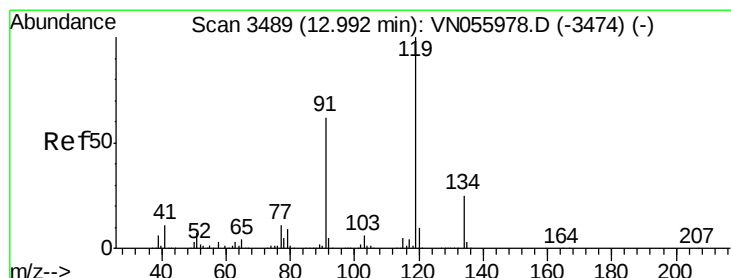
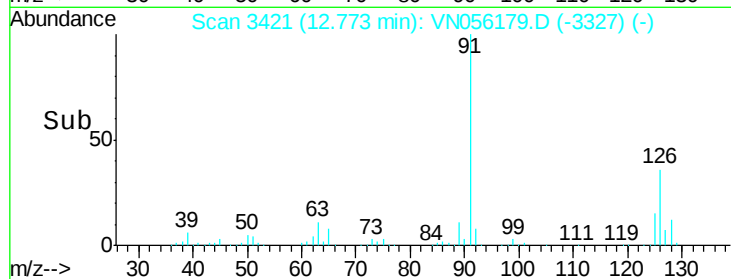
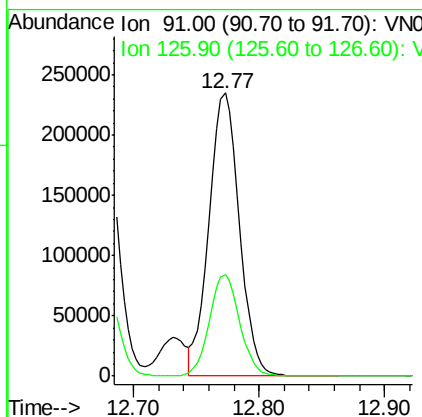
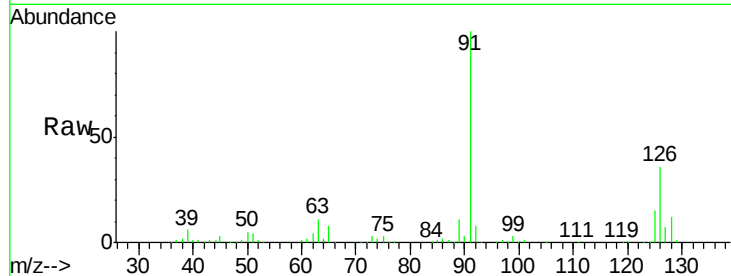
#82
4-Chlorotoluene
Concen: 48.766 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion: 91 Resp: 395192
Ion Ratio Lower Upper
91 100
126 35.6 17.8 53.3

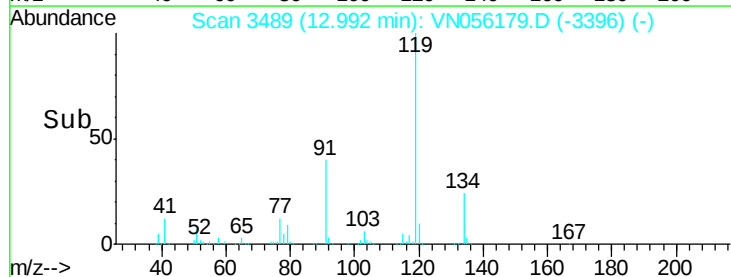
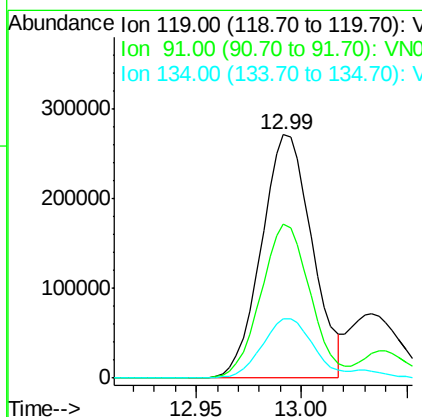
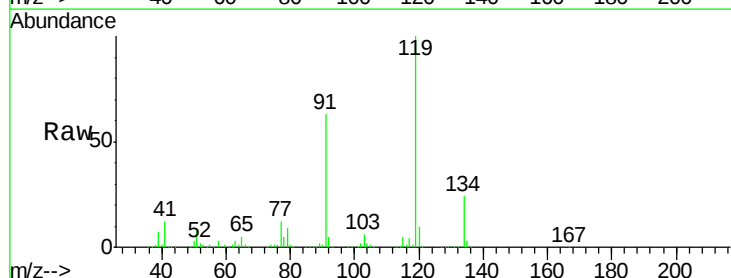
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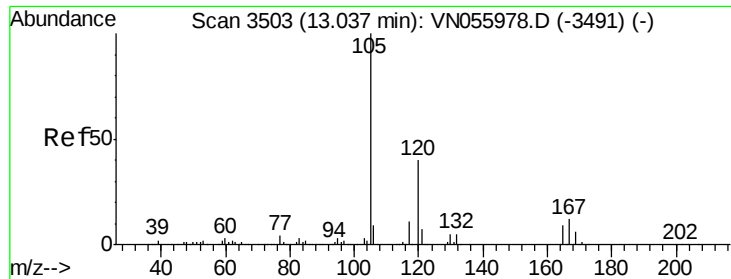
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6/11/2019 11:59:45 AM



#83
tert-Butylbenzene
Concen: 53.225 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion: 119 Resp: 453123
Ion Ratio Lower Upper
119 100
91 61.4 30.9 92.8
134 24.6 13.3 39.8





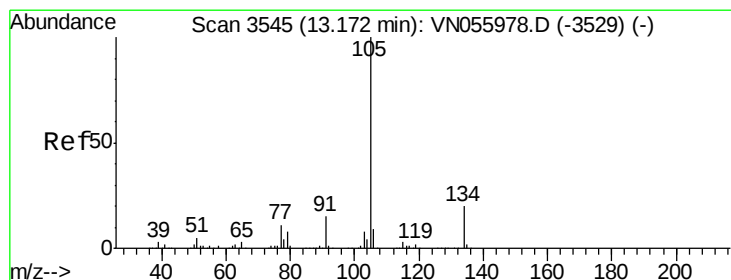
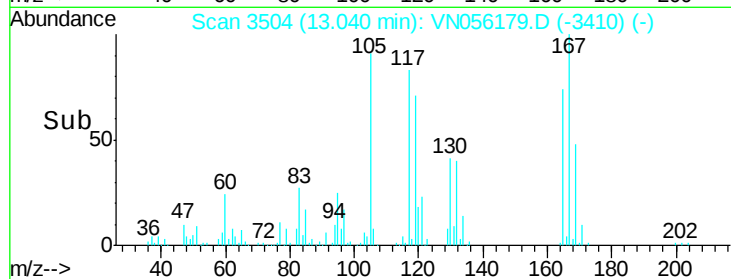
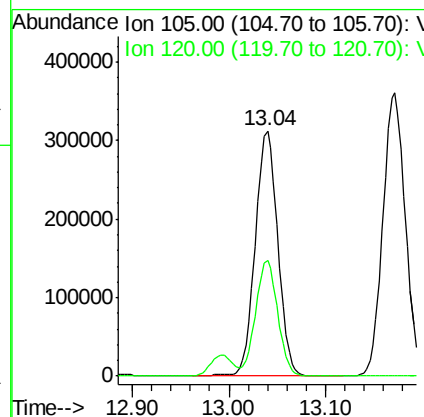
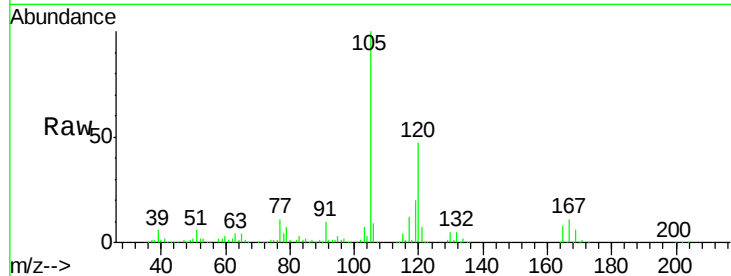
#84
 1,2,4-Trimethylbenzene
 Concen: 48.564 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.0	69.0

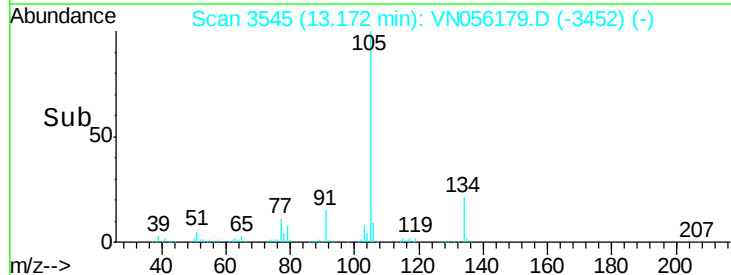
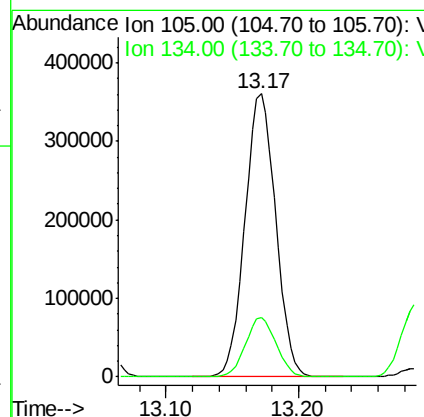
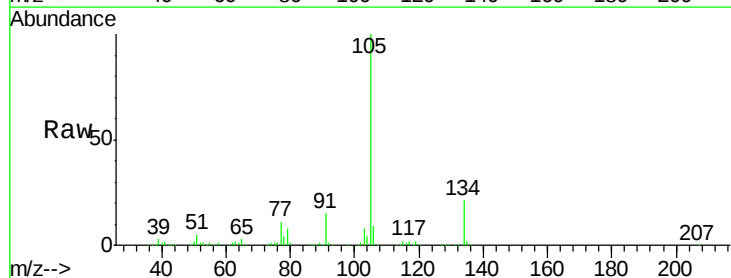
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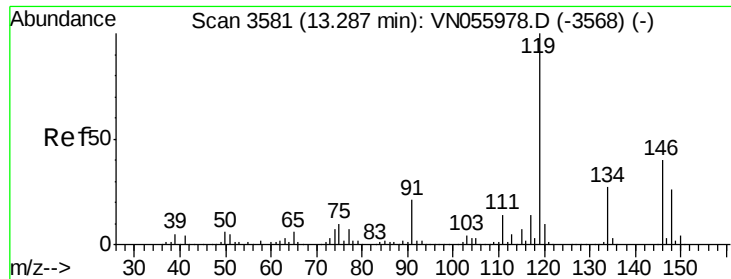
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#85
 sec-Butylbenzene
 Concen: 47.263 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.4	31.2





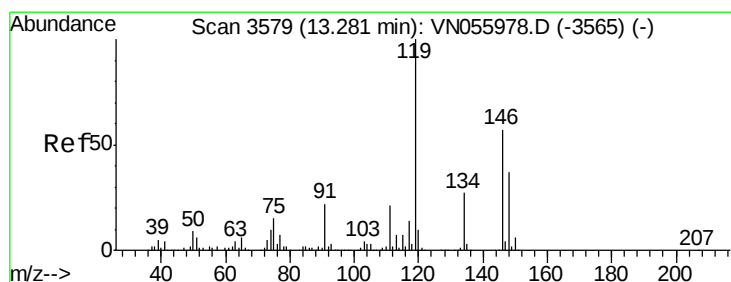
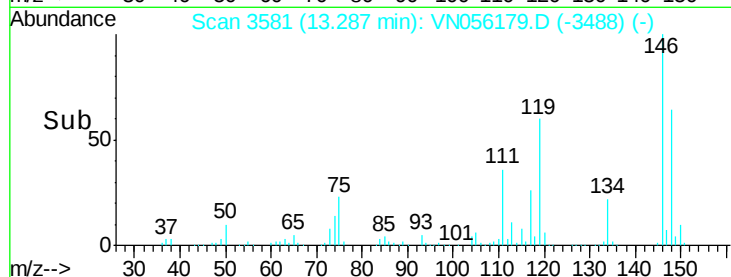
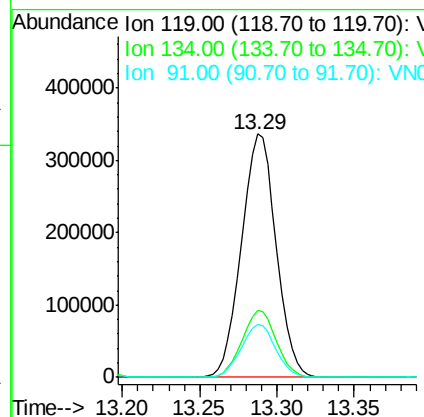
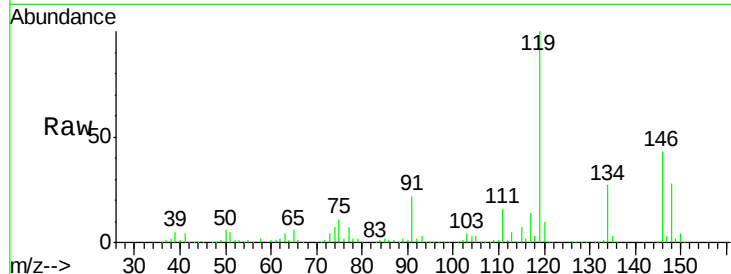
#86
 p-Isopropyltoluene
 Concen: 47.497 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Resp	Lower	Upper
119	100	521442		
134	27.3	13.4	40.1	
91	21.5	10.9	32.9	

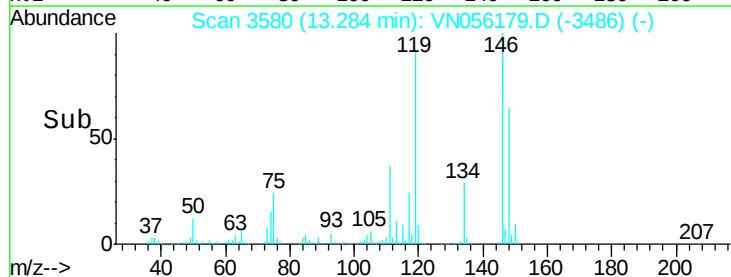
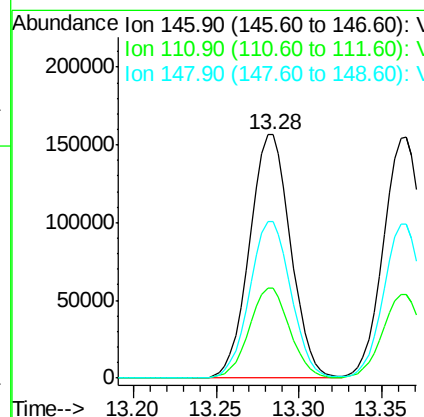
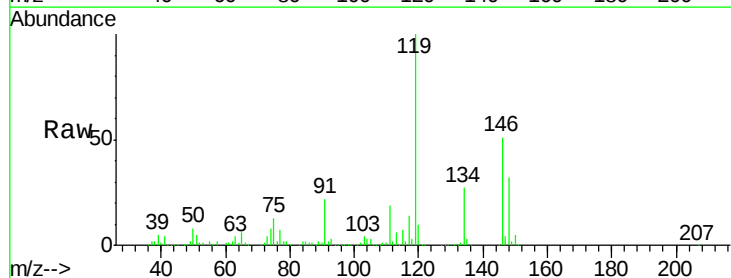
Manual Integrations
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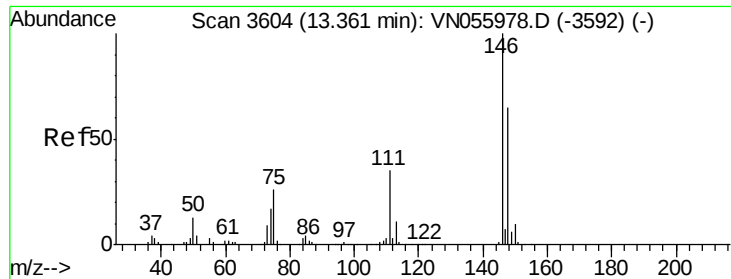
MMDadoda
 6/11/2019 11:59:45 AM



#87
 1,3-Dichlorobenzene
 Concen: 49.724 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	269774		
111	36.5	18.5	55.5	
148	64.5	32.0	96.2	





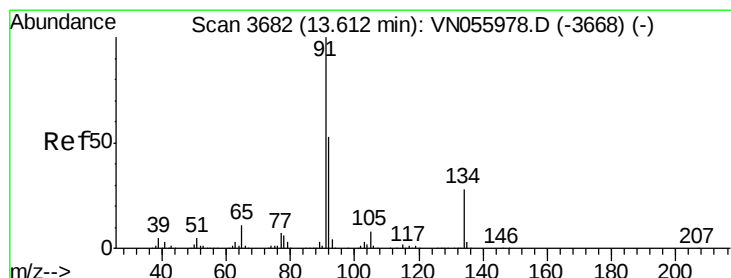
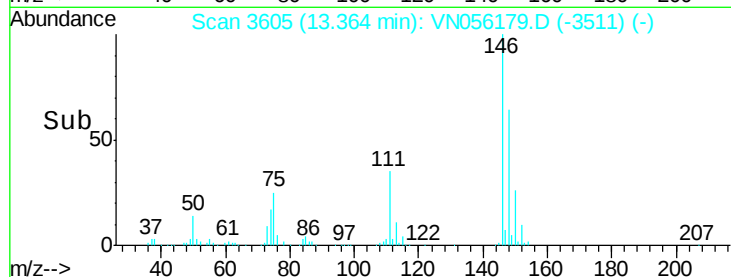
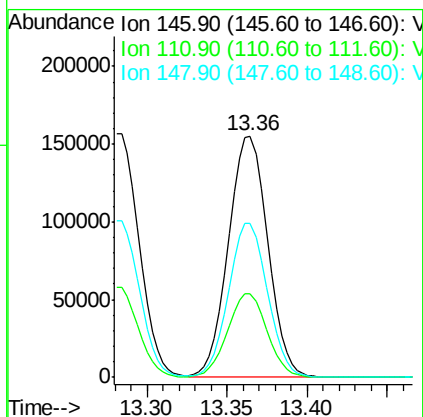
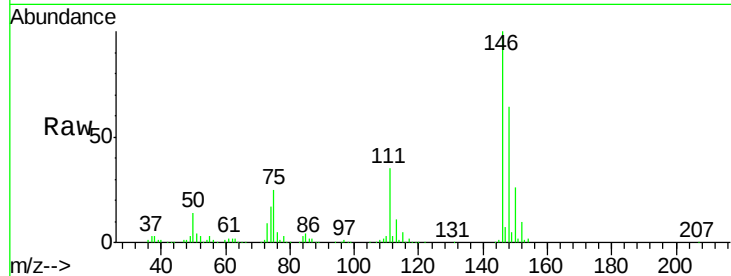
#88
 1,4-Dichlorobenzene
 Concen: 49.919 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.0	18.1	54.4
148	63.2	32.1	96.5

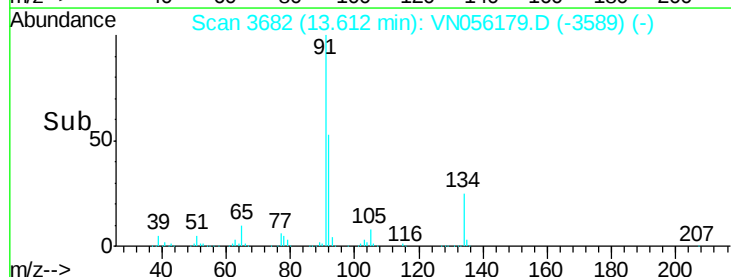
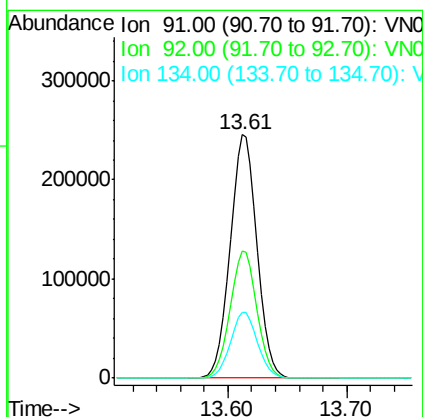
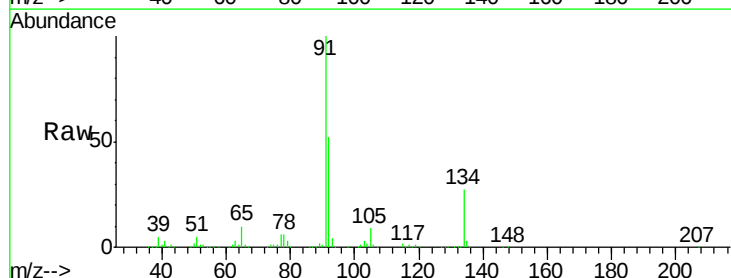
Manual Integrations
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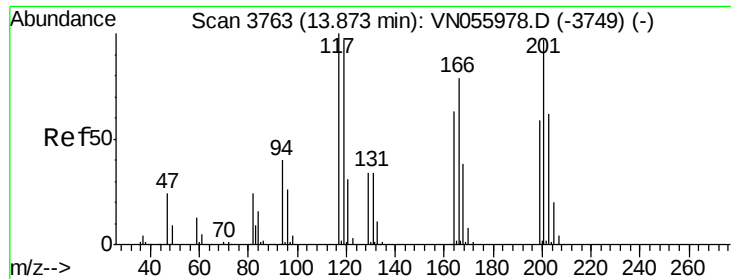
MMDadoda
 6/11/2019 11:59:45 AM



#89
 n-Butylbenzene
 Concen: 46.900 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.4	79.0
134	27.3	13.9	41.7





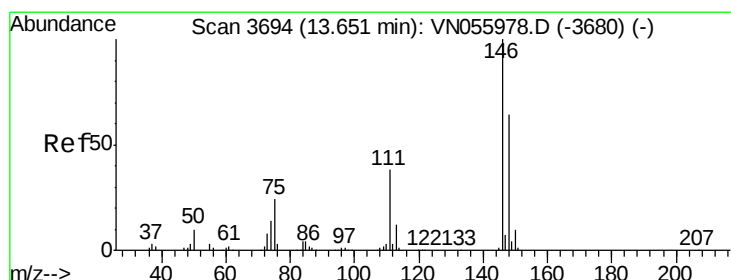
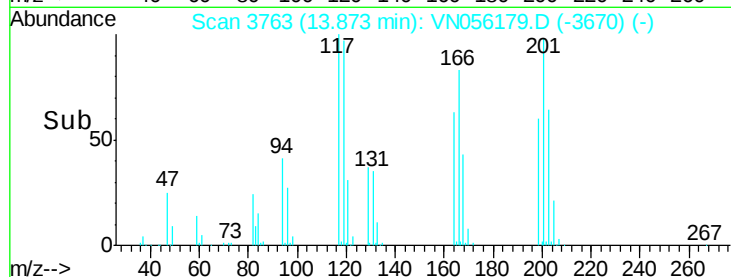
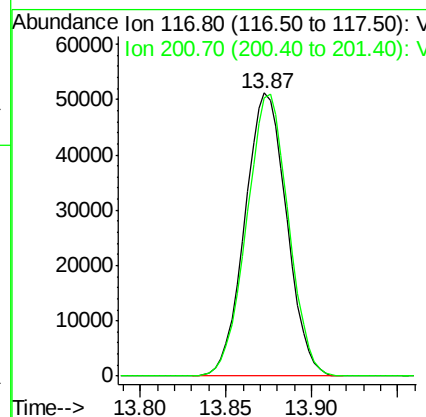
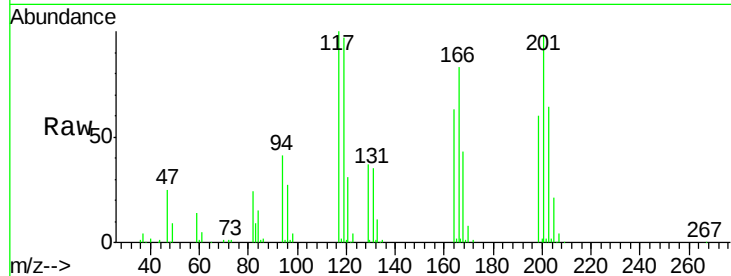
#90
Hexachloroethane
Concen: 52.230 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Instrument :
MSVOA_N
ClientSampleId :
BP-MH-SW4001-SOUTH-20190608M

Tot Ion:117 Resp: 86475
Ion Ratio Lower Upper
117 100
201 99.3 50.0 150.0

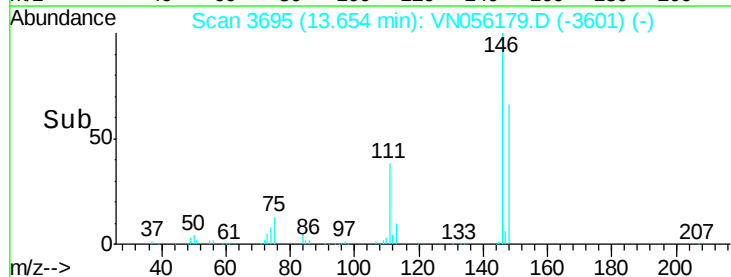
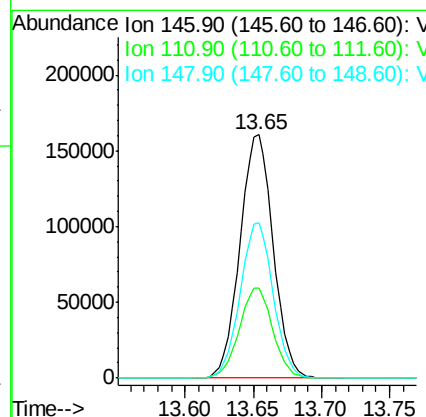
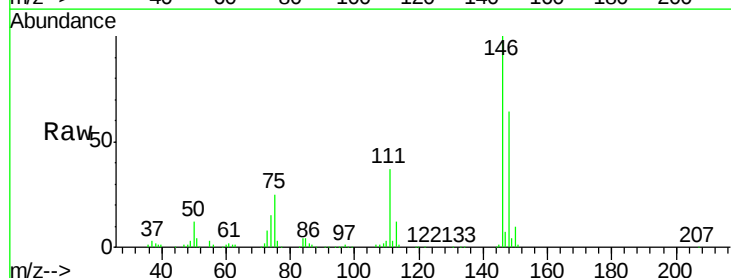
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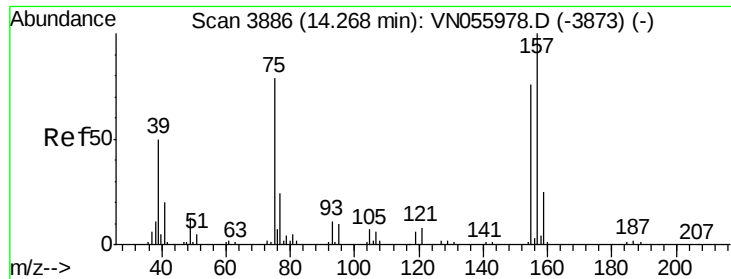
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#91
1,2-Dichlorobenzene
Concen: 49.527 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN056179.D
Acq: 10 Jun 2019 19:09

Tgt Ion:146 Resp: 271293
Ion Ratio Lower Upper
146 100
111 37.1 19.1 57.5
148 63.4 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 56.486 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

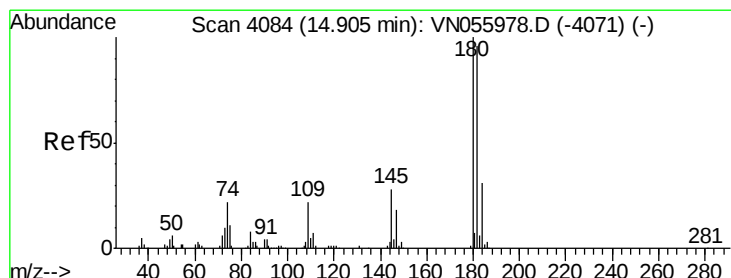
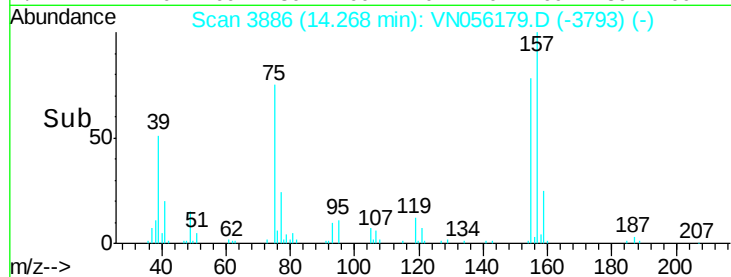
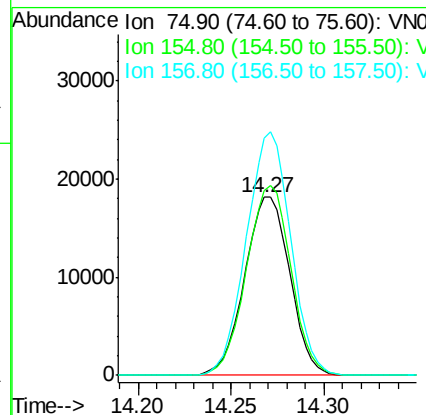
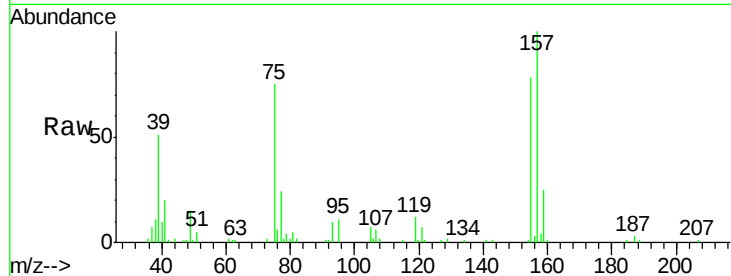
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

Tot Ion:	75	Resp:	30709
Ion	Ratio	Lower	Upper
75	100		
155	105.2	50.0	150.1
157	134.2	64.8	194.3

Manual Integrations
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6/11/2019 11:59:45 AM



#93

1,2,4-Trichlorobenzene

Concen: 40.882 ug/l

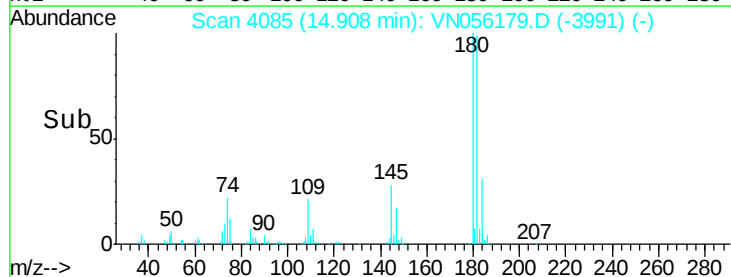
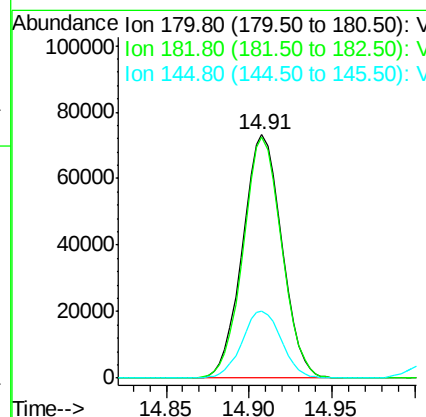
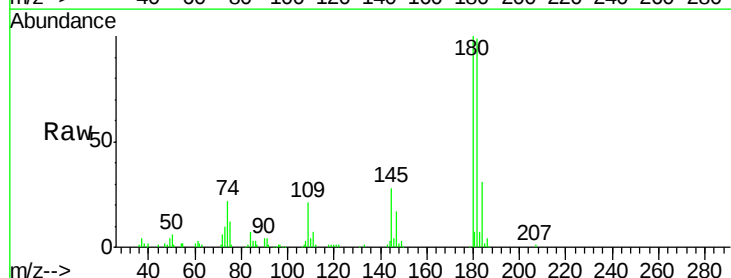
RT: 14.91 min Scan# 4085

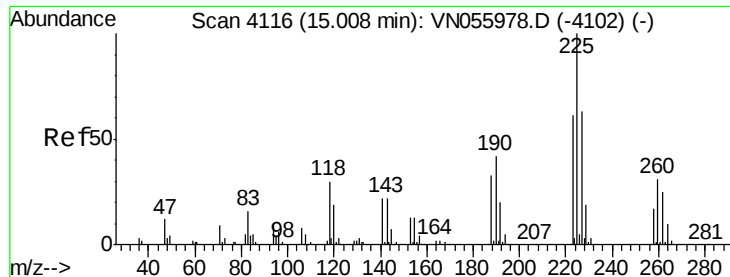
Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Tgt Ion:	180	Resp:	120834
Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.3	144.9
145	27.7	14.0	41.9





#94

Hexachlorobutadiene

Concen: 49.998 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056179.D

Acq: 10 Jun 2019 19:09

Instrument :

MSVOA_N

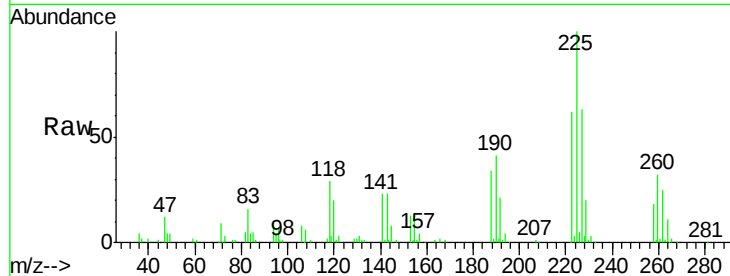
ClientSampleId :

BP-MH-SW4001-SOUTH-20190608M

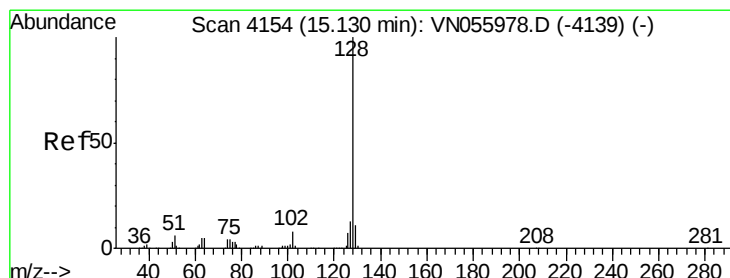
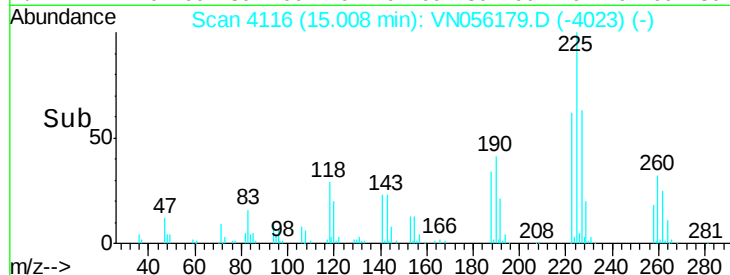
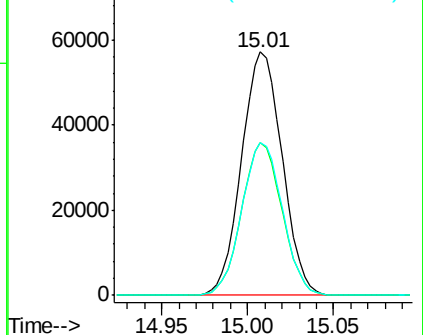
Tot Ion:	225	Resp:	93932
Ion Ratio		Lower	Upper
225	100		
223	62.1	30.9	92.7
227	62.8	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
6/11/2019 11:59:45 AM



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 42.759 ug/l

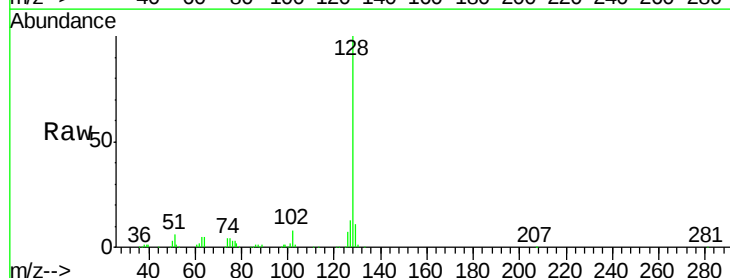
RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

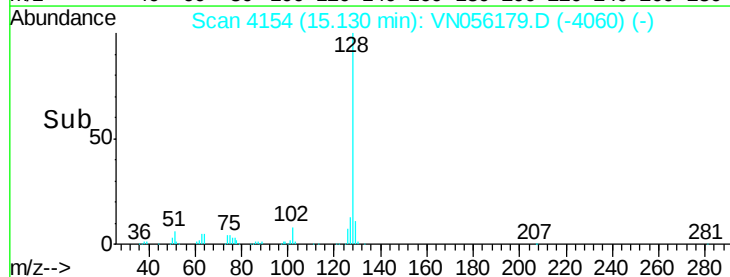
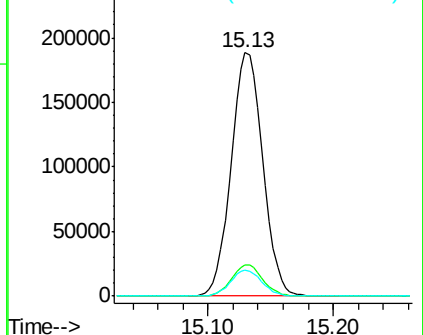
Lab File: VN056179.D

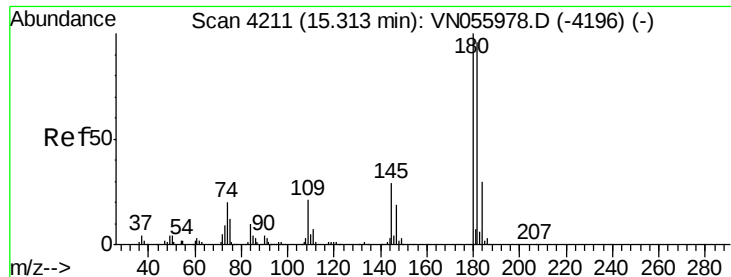
Acq: 10 Jun 2019 19:09

Tgt Ion:	128	Resp:	330134
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.6	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





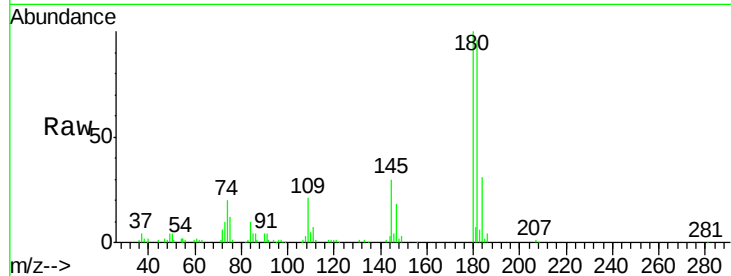
#96
 1,2,3-Trichlorobenzene
 Concen: 44.992 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056179.D
 Acq: 10 Jun 2019 19:09

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-MH-SW4001-SOUTH-20190608M

Tot Ion	Ratio	Resp	Lower	Upper
180	100	137411		
182	95.4	47.9	143.7	
145	29.5	14.9	44.7	

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 11:59:45 AM



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

