

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056231.D
 Acq On : 11 Jun 2019 18:33
 Operator : JC/SP
 Sample : K3284-06MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

Manual Integrations
 APPROVED

MMDadoda
 6/12/2019 11:11:35 AM

Quant Time: Jun 12 07:29:08 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	298137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	420836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	383234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	171257	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	151412	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
35) Dibromofluoromethane	7.59	113	137081	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
50) Toluene-d8	10.09	98	517684	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.40	95	175541	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	148491	45.369	ug/l	100
3) Chloromethane	2.06	50	158967	49.188	ug/l	99
4) Vinyl Chloride	2.18	62	159122	49.084	ug/l	98
5) Bromomethane	2.54	94	93284	45.553	ug/l	99
6) Chloroethane	2.69	64	90337	48.062	ug/l	98
7) Trichlorofluoromethane	3.01	101	199333	48.165	ug/l	99
8) Diethyl Ether	3.40	74	76190	44.767	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	122681	48.800	ug/l	98
10) Methyl Iodide	3.94	142	191513	47.937	ug/l	100
11) Tert butyl alcohol	4.82	59	99733	193.601	ug/l	99
12) 1,1-Dichloroethene	3.72	96	121788	48.660	ug/l	97
13) Acrolein	3.60	56	49455	332.868	ug/l	97
14) Allyl chloride	4.31	41	185943	47.049	ug/l	99
15) Acrylonitrile	4.99	53	331248	264.150	ug/l	100
16) Acetone	3.82	43	258273	182.423	ug/l	100
17) Carbon Disulfide	4.04	76	297219	49.597	ug/l	99
18) Methyl Acetate	4.33	43	127156	45.673	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	380384	47.680	ug/l	99
20) Methylene Chloride	4.54	84	141686	48.575	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	130913	48.818	ug/l	99
22) Diisopropyl ether	5.96	45	394816	48.328	ug/l	97
23) Vinyl Acetate	5.90	43	1412786	219.598	ug/l	99
24) 1,1-Dichloroethane	5.84	63	233553	49.560	ug/l	99
25) 2-Butanone	6.84	43	422115	235.975	ug/l	99
26) 2,2-Dichloropropane	6.82	77	131274	35.699	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	154291	48.947	ug/l	95
28) Bromochloromethane	7.19	49	117437	52.697	ug/l	97
29) Tetrahydrofuran	7.22	42	282026	255.057	ug/l	99
30) Chloroform	7.37	83	238567	50.324	ug/l	100
31) Cyclohexane	7.65	56	211728	45.074	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	198721	50.198	ug/l	99
36) 1,1-Dichloropropene	7.79	75	173123	47.843	ug/l	99
37) Ethyl Acetate	6.93	43	153172	47.574	ug/l	99
38) Carbon Tetrachloride	7.77	117	172690	51.763	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	209605	46.499	ug/l	99
40) Benzene	8.04	78	553778	50.387	ug/l	99
41) Methacrylonitrile	7.17	41	81488	55.009	ug/l	94
42) 1,2-Dichloroethane	8.12	62	172404	48.767	ug/l	99
43) Isopropyl Acetate	8.17	43	245680	47.089	ug/l	99
44) Trichloroethene	8.83	130	156831	49.660	ug/l	100
45) 1,2-Dichloropropane	9.12	63	143905	51.118	ug/l	100
46) Dibromomethane	9.21	93	95142	51.683	ug/l	97
47) Bromodichloromethane	9.40	83	179100	53.680	ug/l	99
48) Methyl methacrylate	9.20	41	134773	52.801	ug/l	97
49) 1,4-Dioxane	9.20	88	53019	962.139	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	862420	264.327	ug/l	100
52) Toluene	10.16	92	348005	50.886	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	172810	44.457	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	200135	49.903	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	139992	51.676	ug/l	99
56) Ethyl methacrylate	10.43	69	206120	52.154	ug/l	98
57) 1,3-Dichloropropane	10.71	76	229084	52.019	ug/l	100
59) 2-Hexanone	10.75	43	594893	251.569	ug/l	100
60) Dibromochloromethane	10.90	129	153900	51.435	ug/l	100
61) 1,2-Dibromoethane	11.00	107	146250	52.808	ug/l	99
64) Tetrachloroethene	10.63	164	158296	47.718	ug/l	98
65) Chlorobenzene	11.43	112	376994	49.428	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	140442	53.328	ug/l	99
67) Ethyl Benzene	11.51	91	649396	48.965	ug/l	99
68) m/p-Xylenes	11.62	106	498302	98.355	ug/l	99
69) o-Xylene	11.95	106	243775	48.916	ug/l	100
70) Stvrene	11.96	104	406311	51.314	ug/l	99
71) Bromoform	12.13	173	113210	51.137	ug/l #	100
73) Isopropylbenzene	12.25	105	640536	52.598	ug/l	100
74) N-amyl acetate	12.07	43	191917	42.040	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	196094	49.324	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	156257m	49.586	ug/l	
77) Bromobenzene	12.53	156	177176	48.322	ug/l	94
78) n-propylbenzene	12.59	91	678646	46.841	ug/l	99
79) 2-Chlorotoluene	12.67	91	419079	52.254	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	523856	45.495	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	42590	45.009	ug/l #	87
82) 4-Chlorotoluene	12.77	91	398199	46.978	ug/l	99
83) tert-Butylbenzene	12.99	119	470856	52.859	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	517784	47.419	ug/l	98
85) sec-Butylbenzene	13.17	105	601233	46.859	ug/l	100
86) p-Isopropyltoluene	13.29	119	539417	46.975	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	277898	48.971	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	261503	47.904	ug/l	99
89) n-Butylbenzene	13.61	91	388876	45.716	ug/l	100
90) Hexachloroethane	13.87	117	91994	53.122	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	277309	48.402	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30622	53.852	ug/l	95
93) 1,2,4-Trichlorobenzene	14.91	180	125907	40.743	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	104606	53.374	ug/l	99
95) Naphthalene	15.13	128	322012	40.135	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	140147	43.947	ug/l	99

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

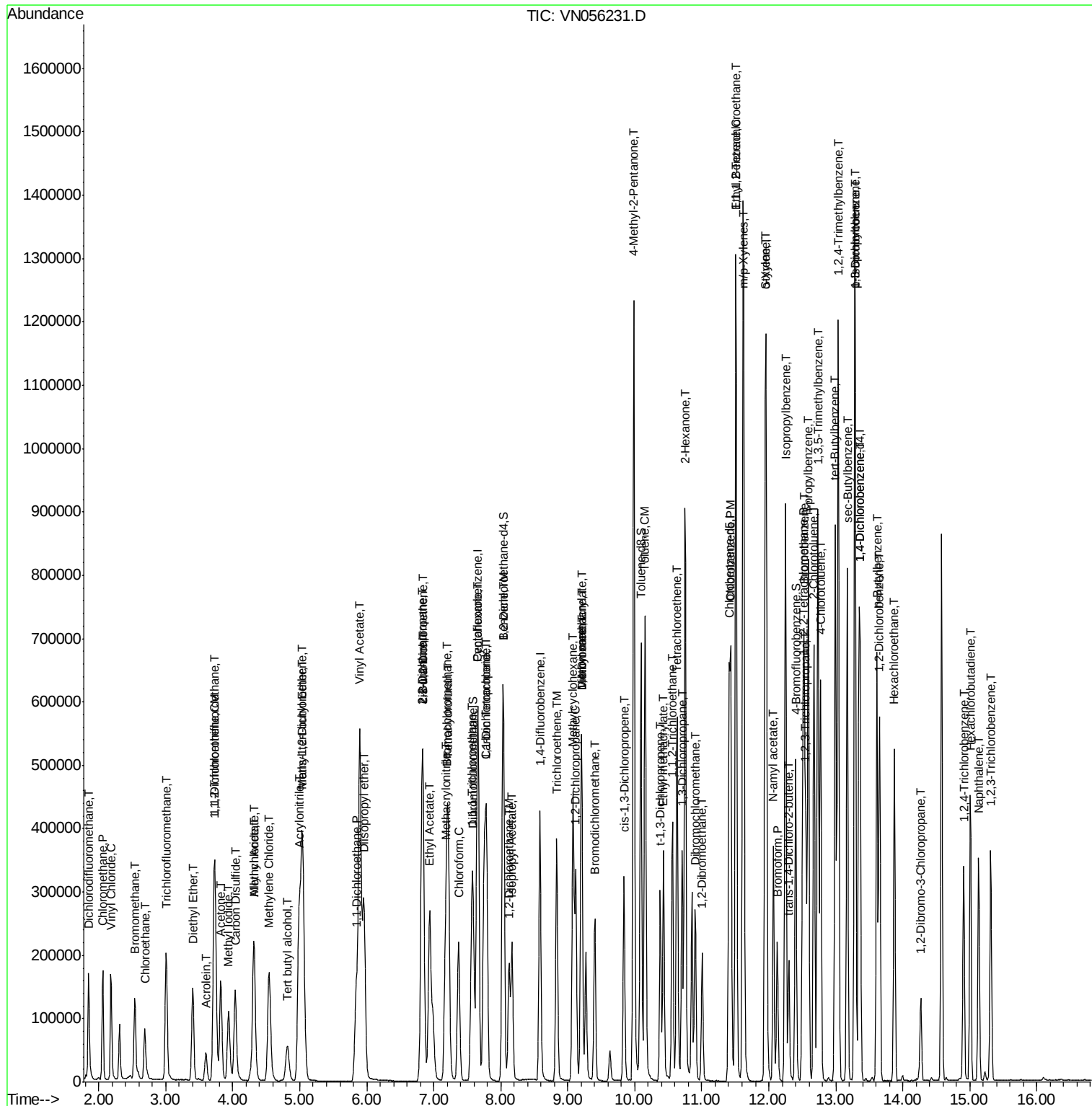
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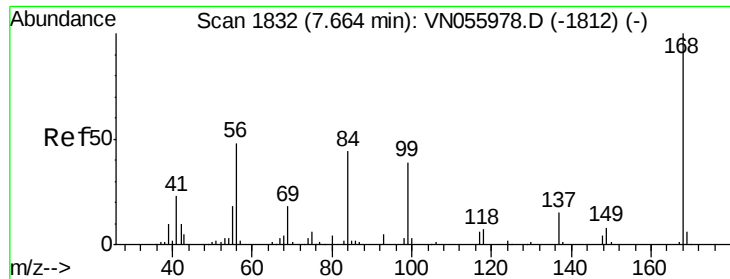
Instrument :
MSVOA_N
Client Sample Id :
BP-TT-AOC22-MW10-20190609MS

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion:168 Resp: 298137

Ion Ratio Lower Upper

168 100

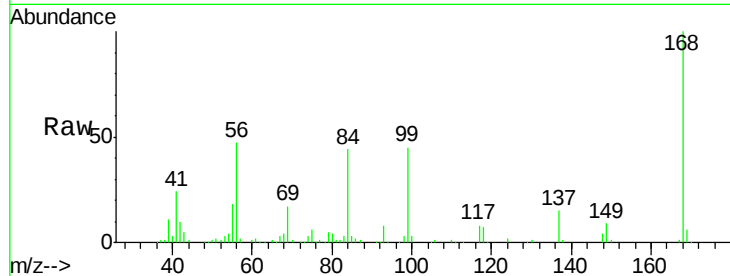
99 44.3 37.2 55.8

Manual Integrations

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6/12/2019 11:11:35 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

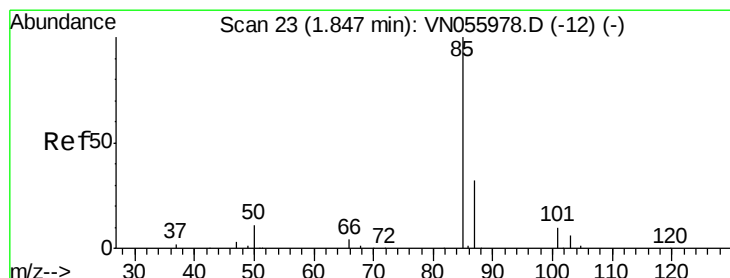
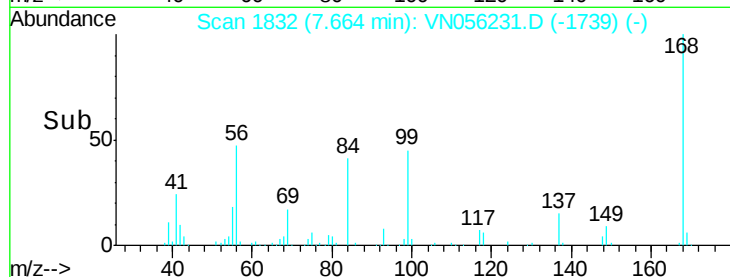
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.369 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056231.D

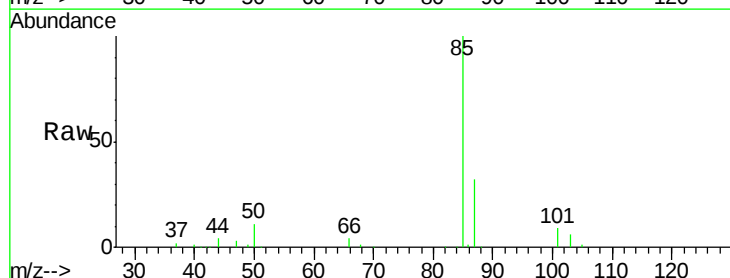
Acq: 11 Jun 2019 18:33

Tgt Ion: 85 Resp: 148491

Ion Ratio Lower Upper

85 100

87 32.1 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

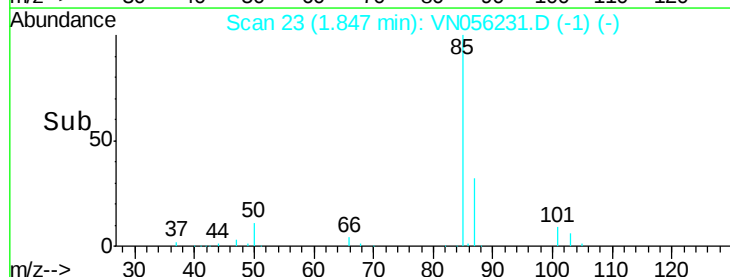
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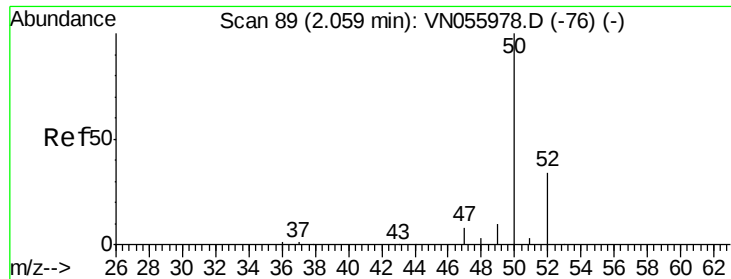
40000

20000

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Time-->





#3

Chloromethane

Concen: 49.188 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion: 50 Resp: 158967

Ion Ratio Lower Upper

50 100

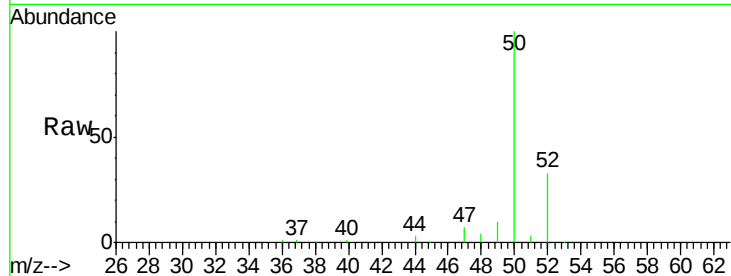
52 32.6 26.6 40.0

Manual Integrations

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6/12/2019 11:11:35 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

120000

100000

80000

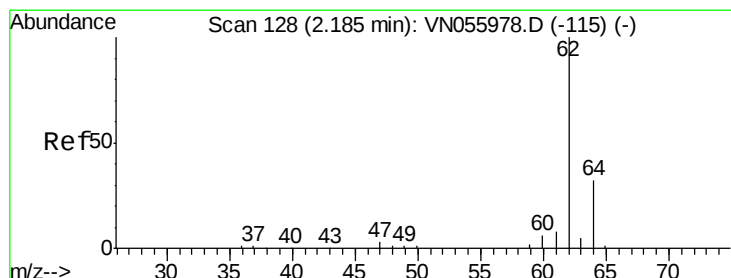
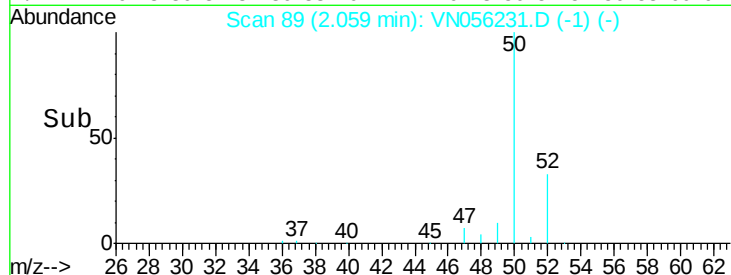
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 49.084 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056231.D

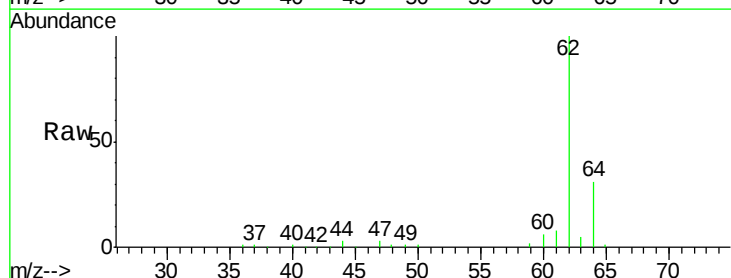
Acq: 11 Jun 2019 18:33

Tgt Ion: 62 Resp: 159122

Ion Ratio Lower Upper

62 100

64 30.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

120000

100000

80000

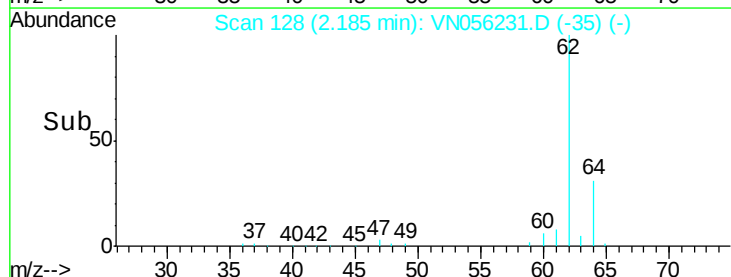
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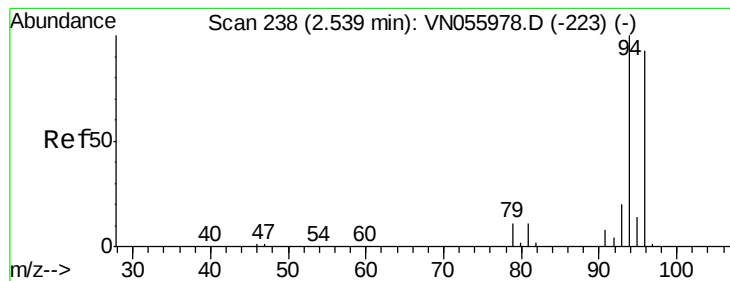
40000

20000

0

Time-->





#5

Bromomethane

Concen: 45.553 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

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Tot Ion: 94 Resp: 93284

Ion Ratio Lower Upper

94 100

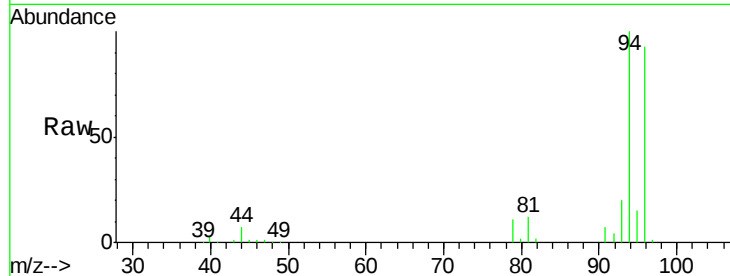
96 93.3 75.5 113.3

Manual Integrations

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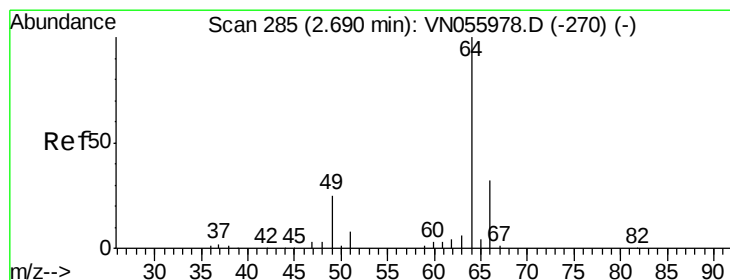
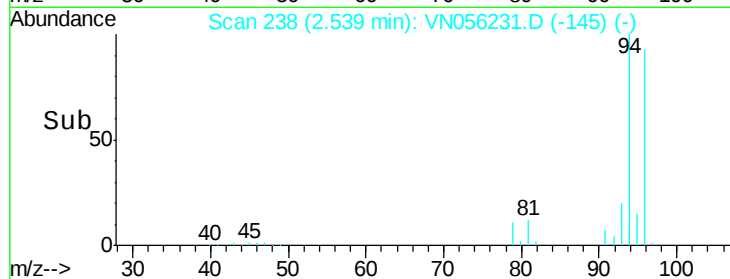
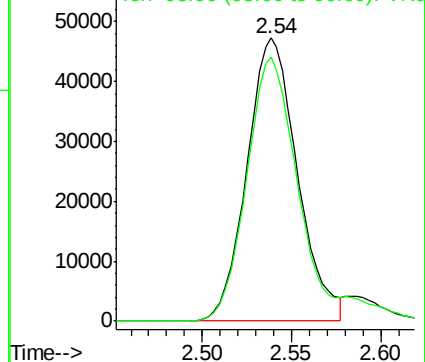
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6/12/2019 11:11:35 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.062 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN056231.D

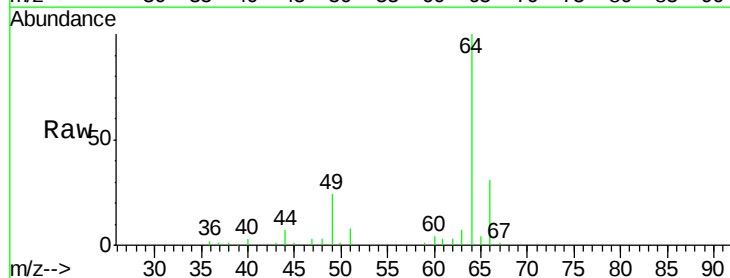
Acq: 11 Jun 2019 18:33

Tgt Ion: 64 Resp: 90337

Ion Ratio Lower Upper

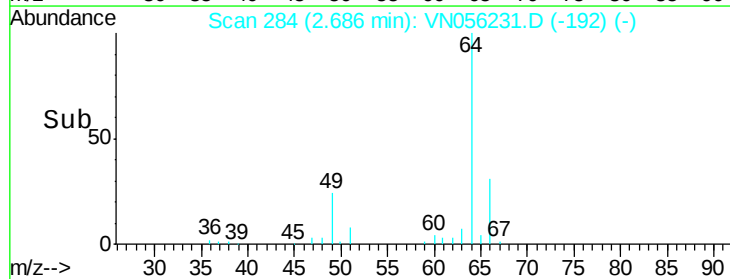
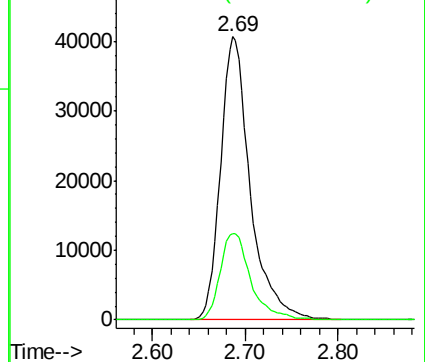
64 100

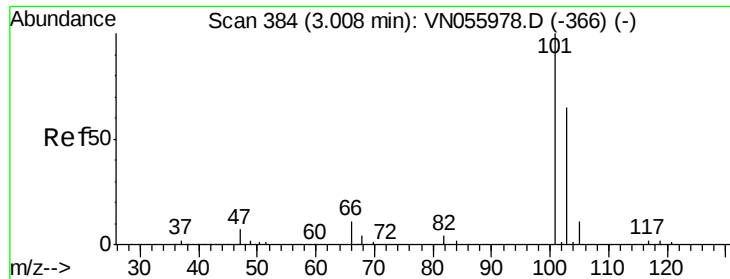
66 30.6 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

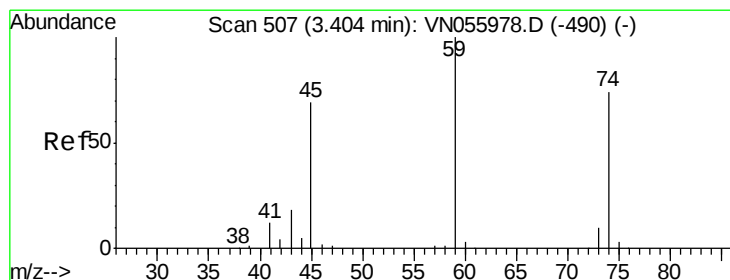
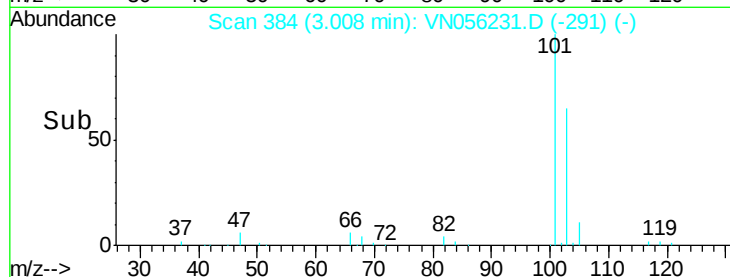
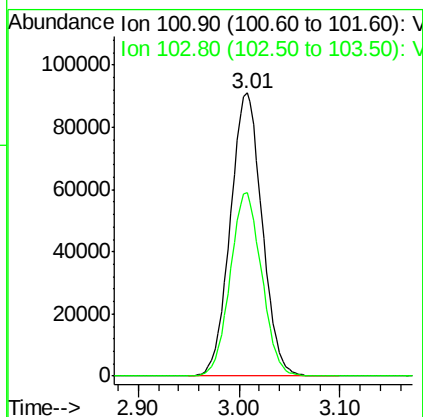
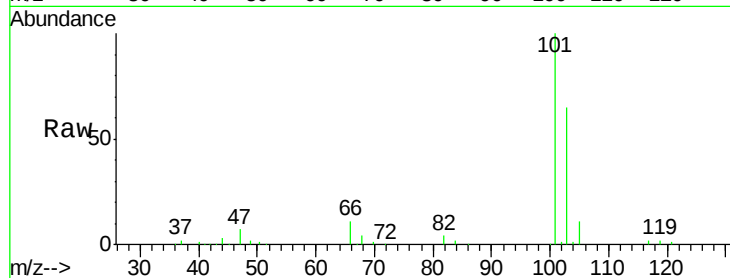
Trichlorofluoromethane
Concen: 48.165 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

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Tot Ion:101 Resp: 199333
Ion Ratio Lower Upper
101 100
103 64.8 51.2 76.8

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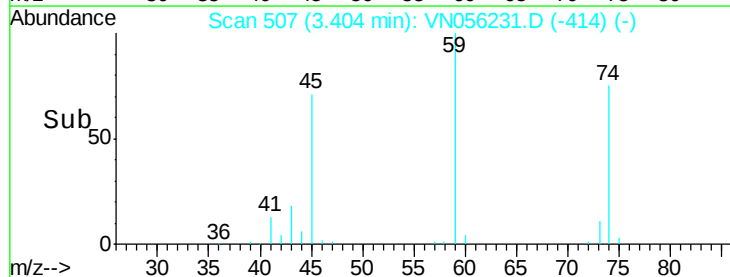
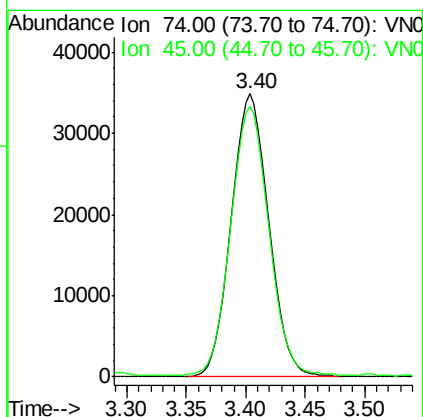
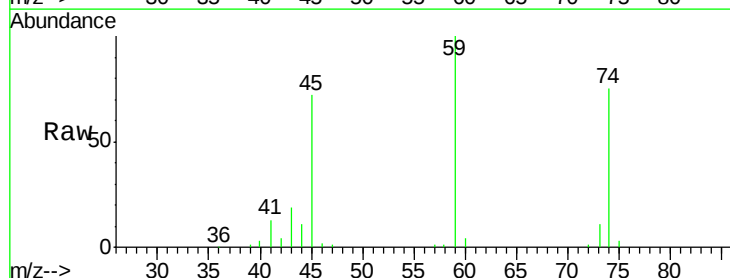
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6/12/2019 11:11:35 AM

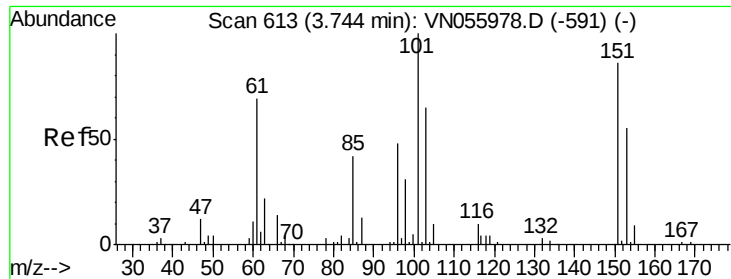


#8

Diethyl Ether
Concen: 44.767 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion: 74 Resp: 76190
Ion Ratio Lower Upper
74 100
45 96.5 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.800 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

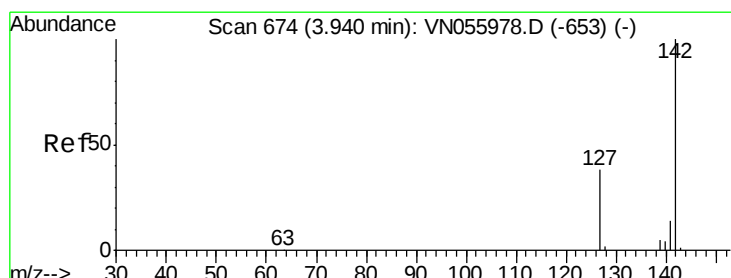
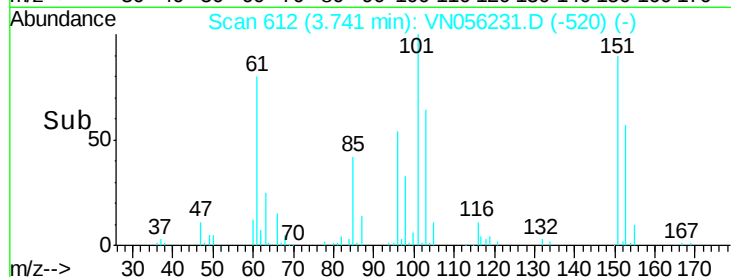
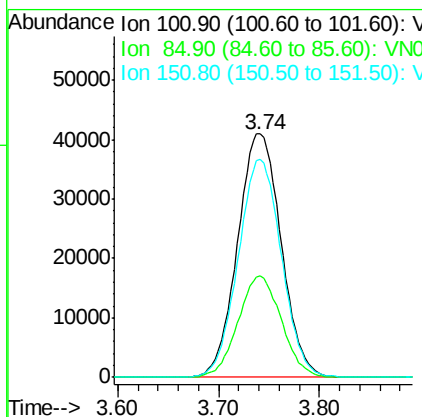
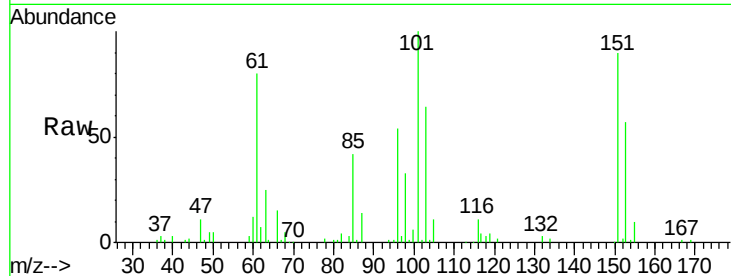
ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion:	101	Resp:	122681
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.4	50.2
151	89.0	69.4	104.2

Manual Integrations
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6/12/2019 11:11:35 AM



#10

Methyl Iodide

Concen: 47.937 ug/l

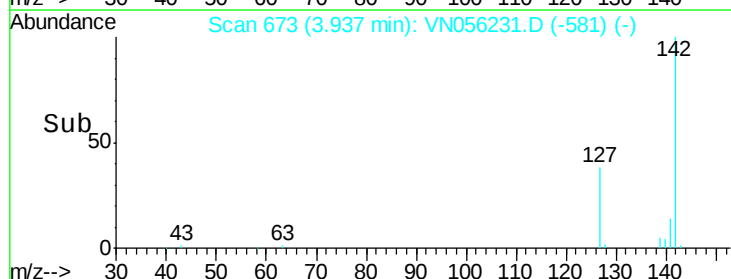
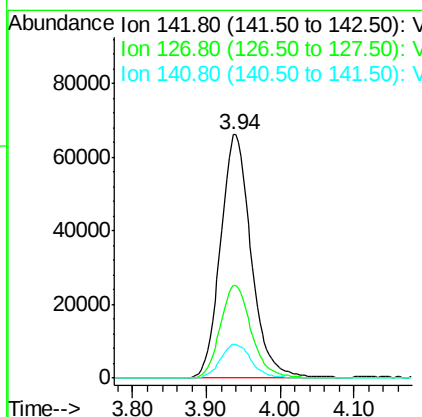
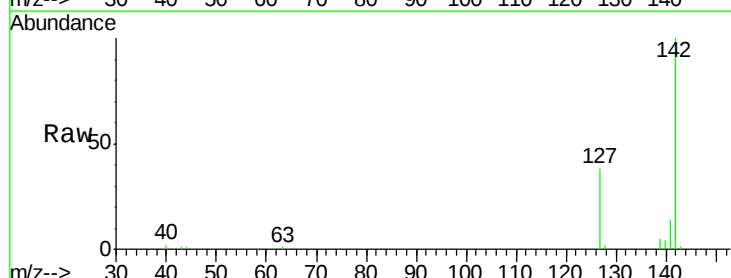
RT: 3.94 min Scan# 673

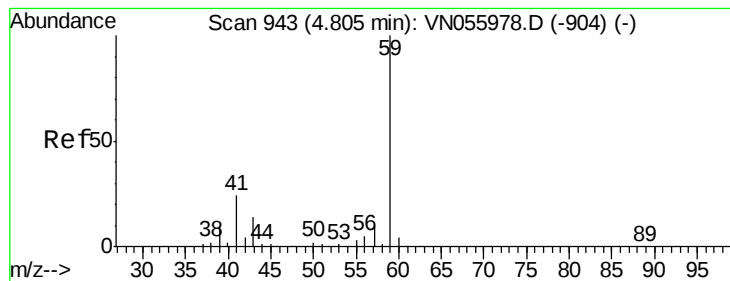
Delta R.T. -0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Tgt Ion:	142	Resp:	191513
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.0	46.4
141	14.0	11.4	17.0





#11

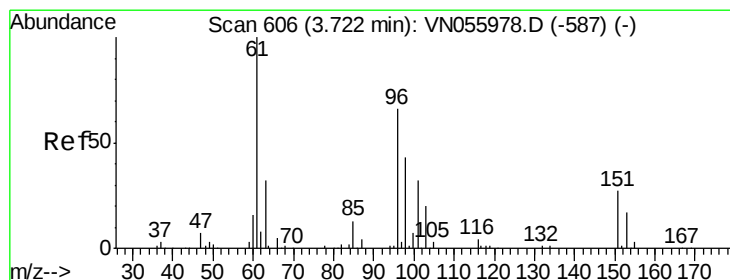
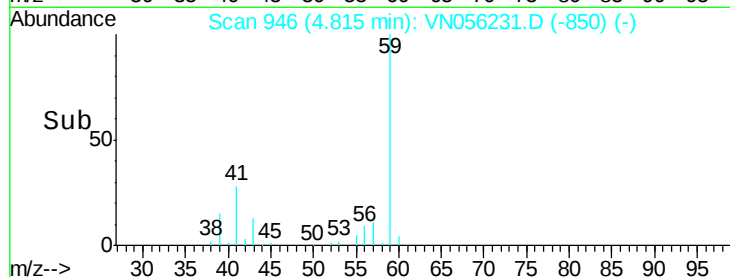
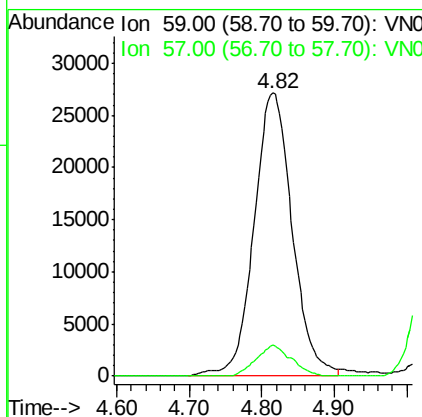
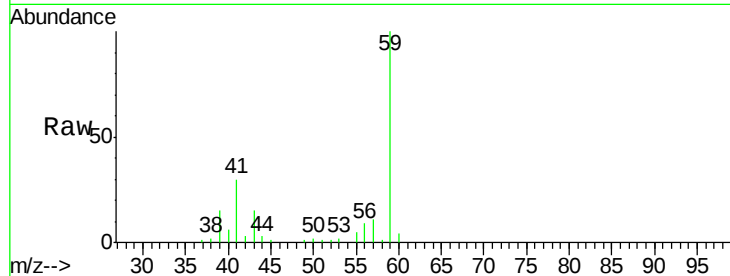
Tert butyl alcohol
Concen: 193.601 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 59 Resp: 99733
Ion Ratio Lower Upper
59 100
57 10.0 7.8 11.6

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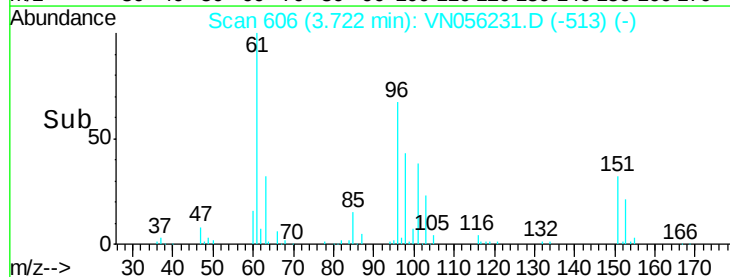
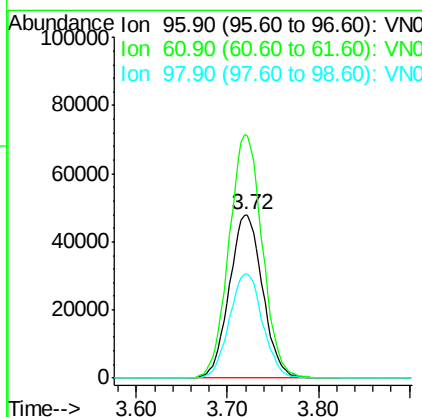
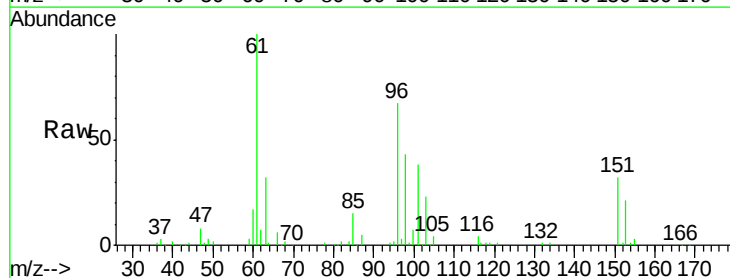
MMDadoda
6/12/2019 11:11:35 AM

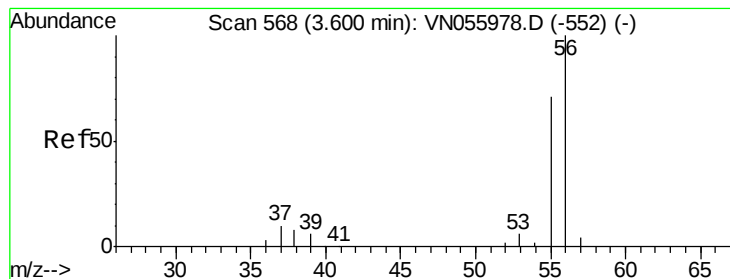


#12

1,1-Dichloroethene
Concen: 48.660 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion: 96 Resp: 121788
Ion Ratio Lower Upper
96 100
61 148.4 123.2 184.8
98 63.8 50.4 75.6





#13

Acrolein

Concen: 332.868 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion: 56 Resp: 49455

Ion Ratio Lower Upper

56 100

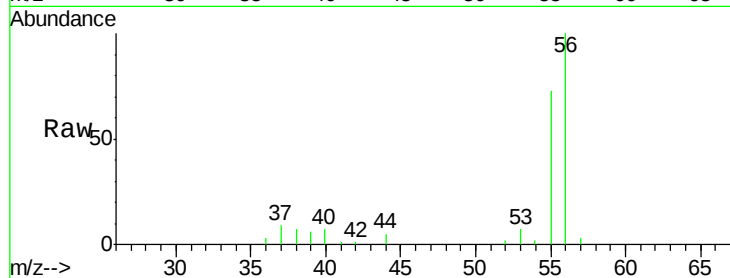
55 72.1 55.4 83.2

Manual Integrations

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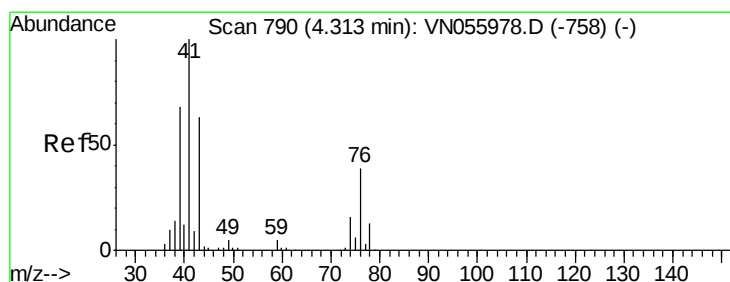
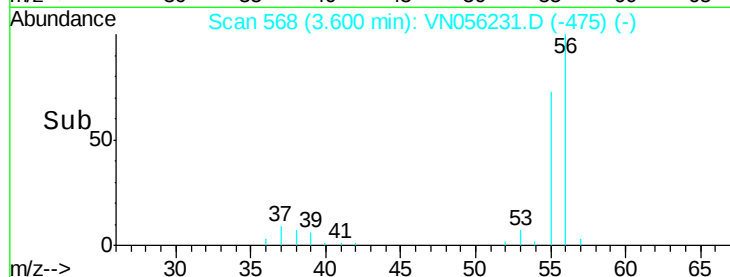
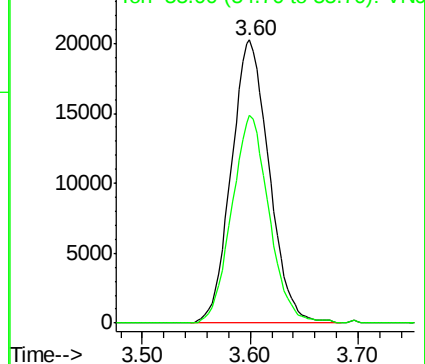
MMDadoda

6/12/2019 11:11:35 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.049 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

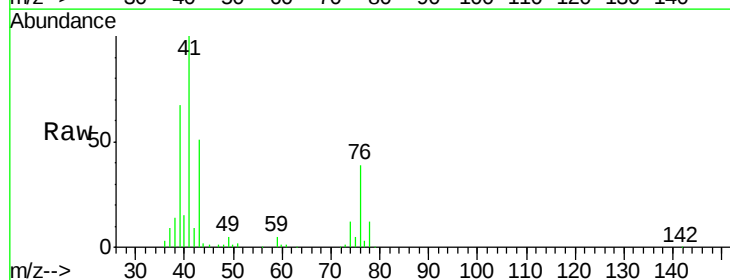
Tgt Ion: 41 Resp: 185943

Ion Ratio Lower Upper

41 100

39 62.8 50.0 75.0

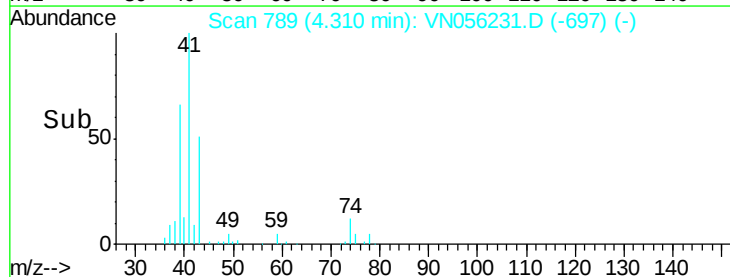
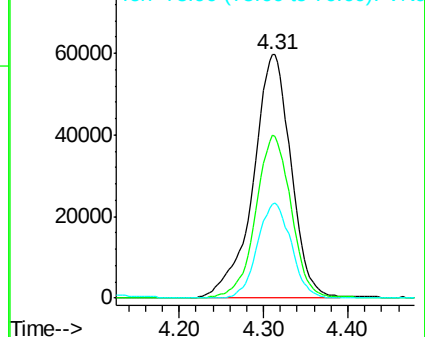
76 34.8 28.2 42.2

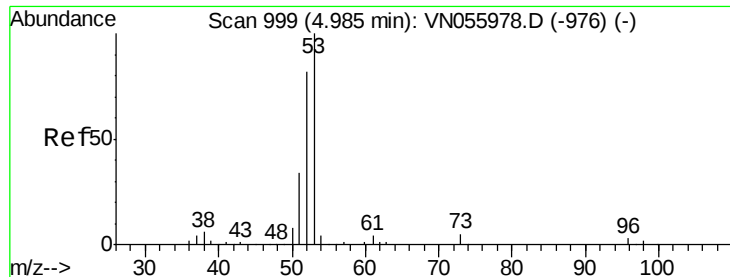


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 264.150 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

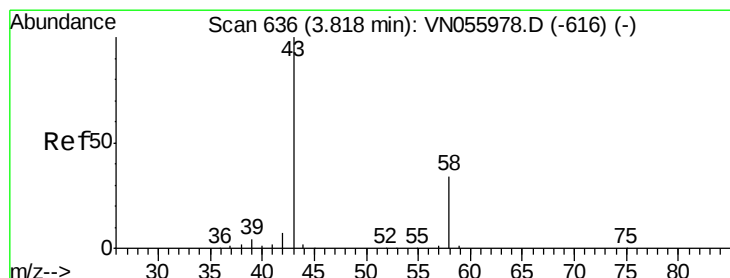
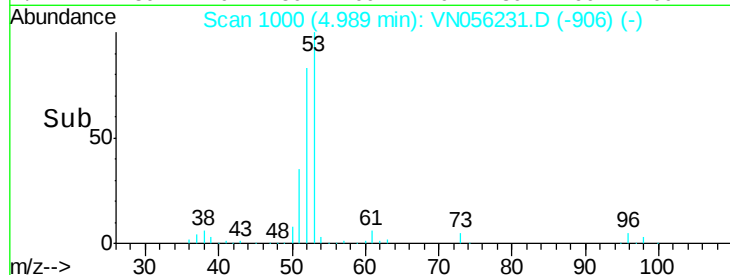
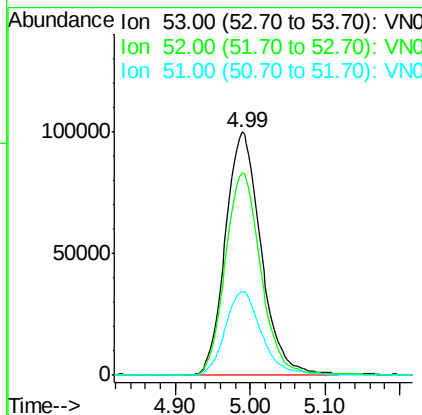
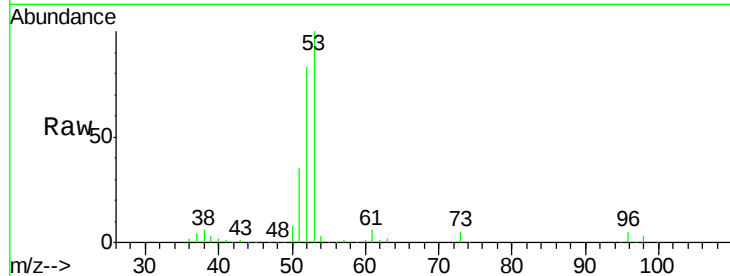
ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion:	53	Resp:	331248
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.8	98.8
51	35.4	28.2	42.4

Manual Integrations
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6/12/2019 11:11:35 AM



#16

Acetone

Concen: 182.423 ug/l

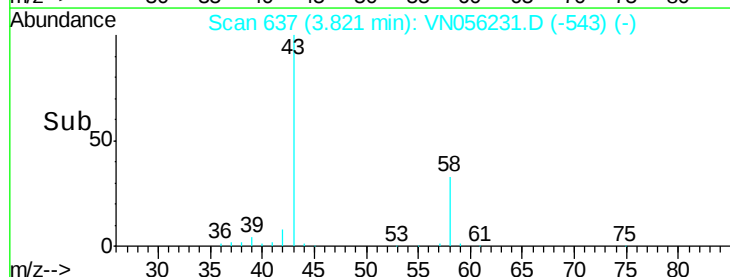
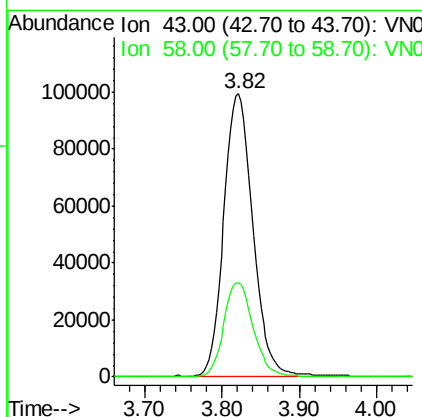
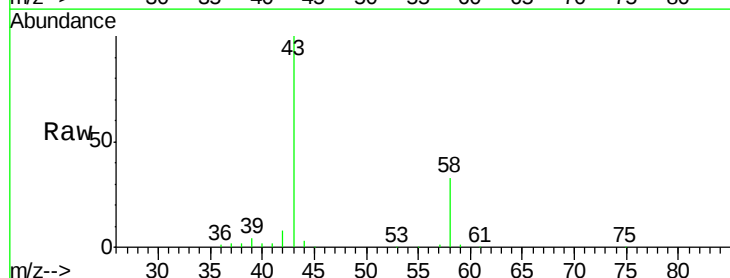
RT: 3.82 min Scan# 637

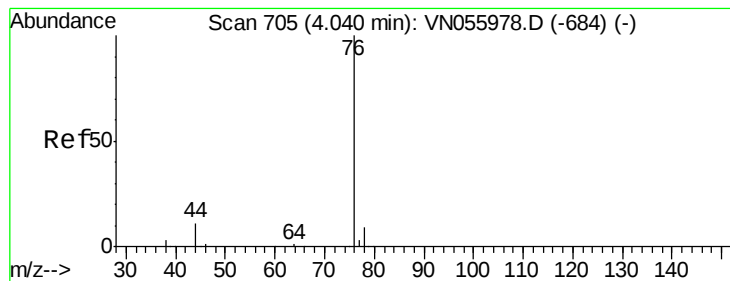
Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Tgt Ion:	43	Resp:	258273
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.6	39.8





#17

Carbon Disulfide

Concen: 49.597 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion: 76 Resp: 297219

Ion Ratio Lower Upper

76 100

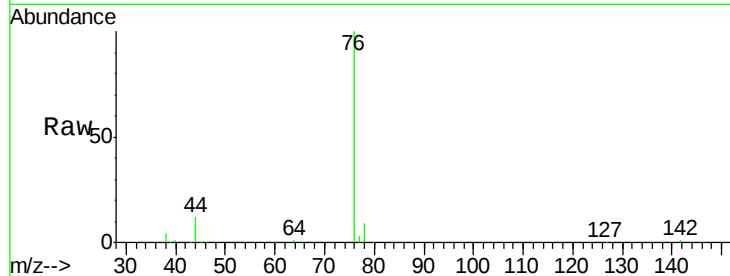
78 8.8 7.4 11.2

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

120000

100000

80000

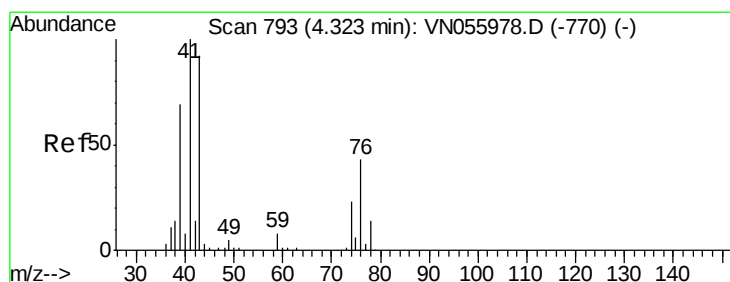
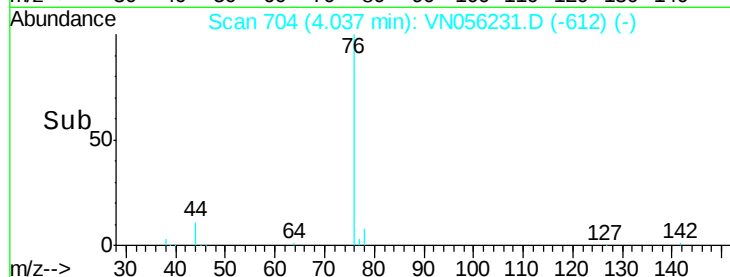
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 45.673 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056231.D

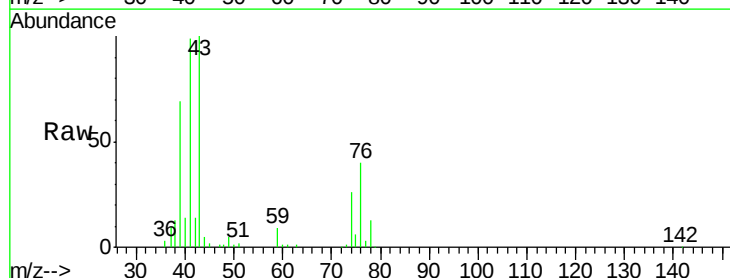
Acq: 11 Jun 2019 18:33

Tgt Ion: 43 Resp: 127156

Ion Ratio Lower Upper

43 100

74 25.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

50000

40000

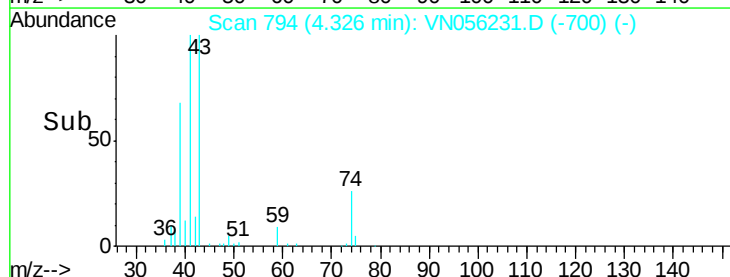
30000

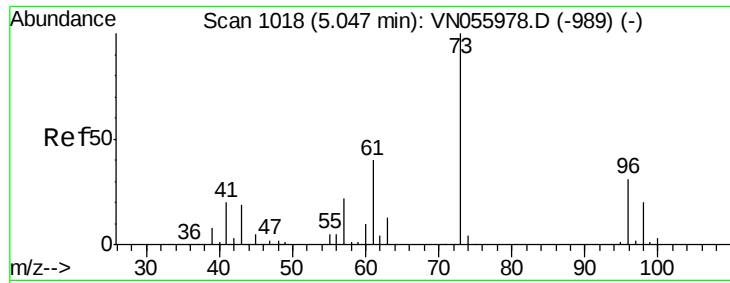
20000

10000

0

Time-->





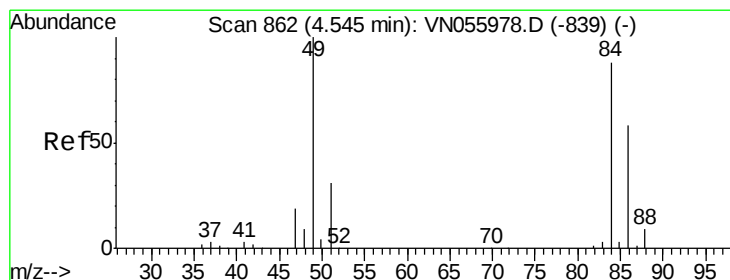
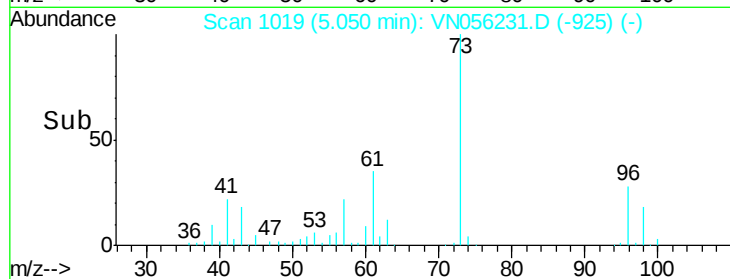
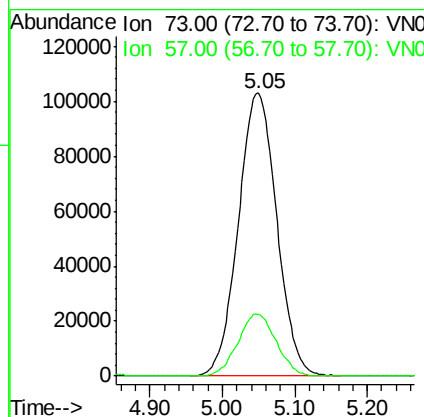
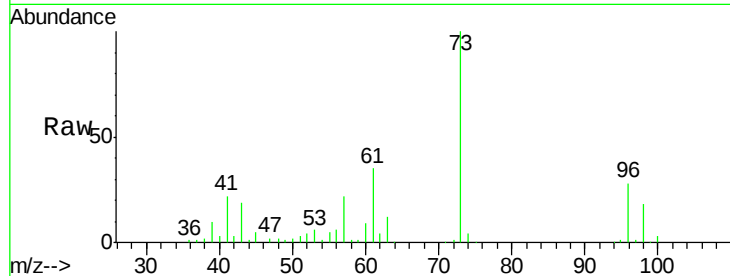
#19
Methyl tert-butyl Ether
Concen: 47.680 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 73 Resp: 380384
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.8

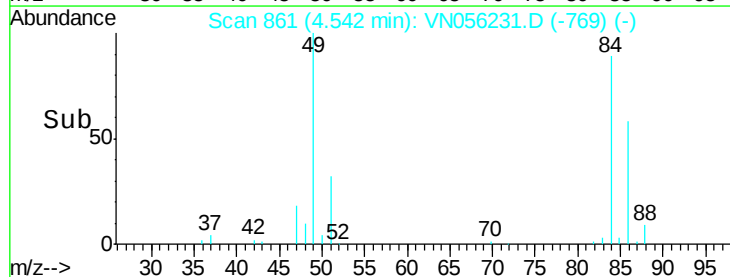
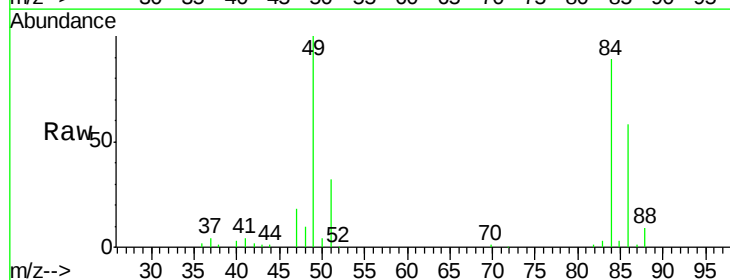
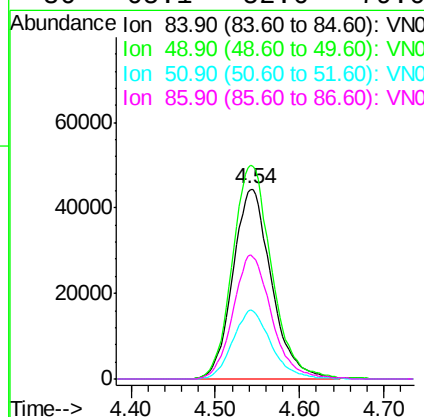
Manual Integrations
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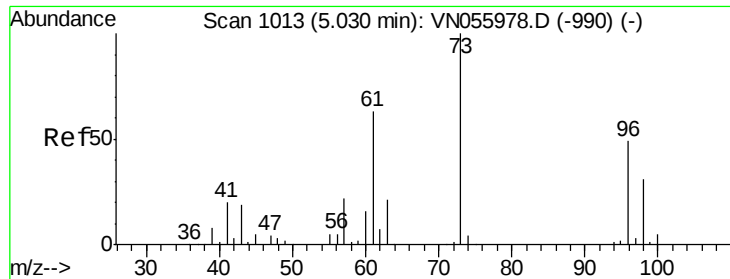
MMDadoda
6/12/2019 11:11:35 AM



#20
Methylene Chloride
Concen: 48.575 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion: 84 Resp: 141686
Ion Ratio Lower Upper
84 100
49 112.5 93.5 140.3
51 36.4 28.6 43.0
86 65.1 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 48.818 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN056231.D

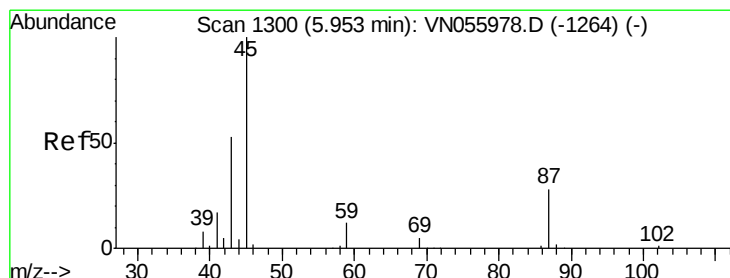
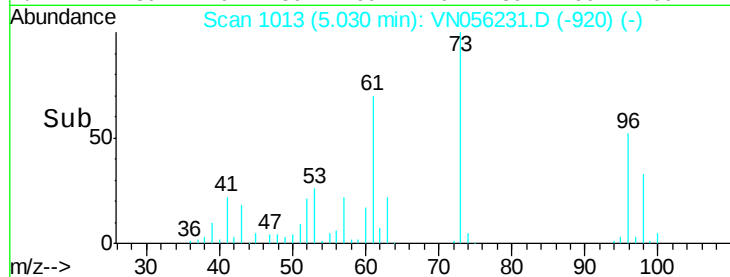
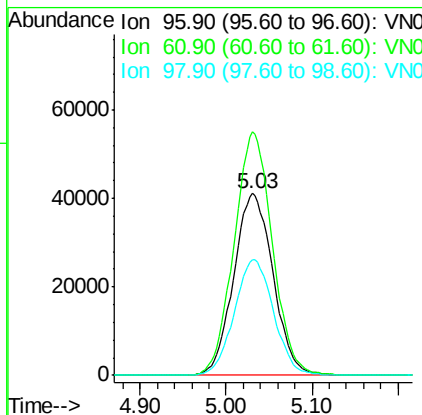
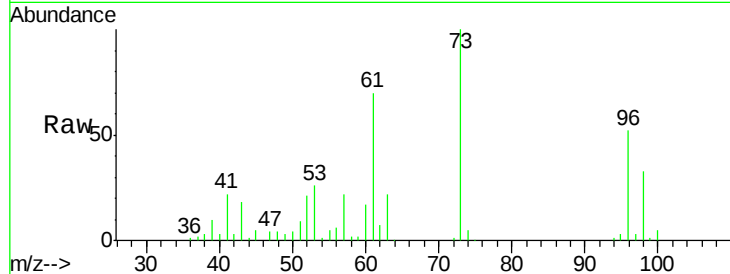
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion:	96	Resp:	130913
Ion	Ratio	Lower	Upper
96	100		
61	133.8	107.8	161.8
98	63.3	49.8	74.8

Manual Integrations
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6/12/2019 11:11:35 AM



#22

Diisopropyl ether

Concen: 48.328 ug/l

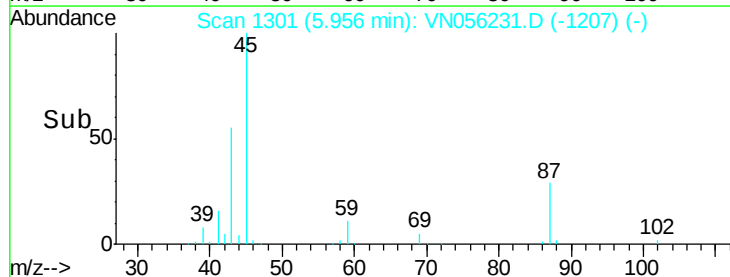
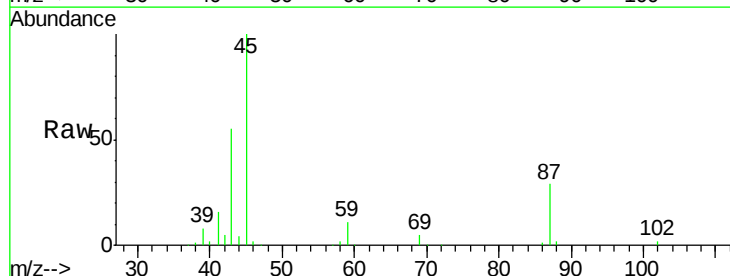
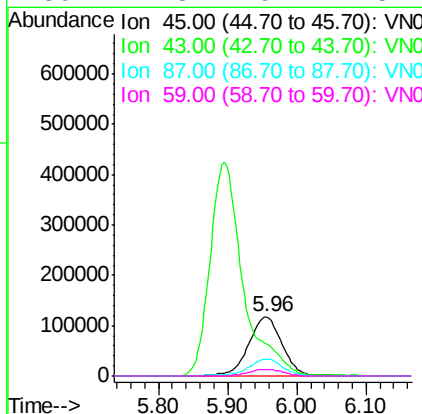
RT: 5.96 min Scan# 1301

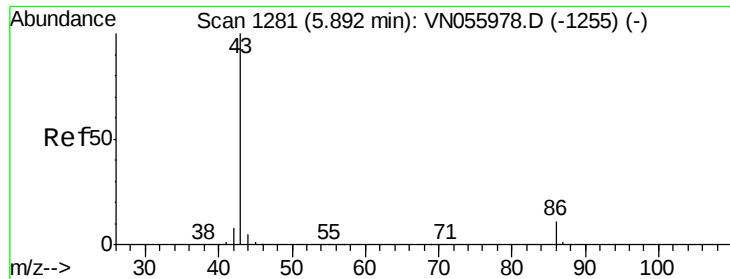
Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Tgt Ion:	45	Resp:	394816
Ion	Ratio	Lower	Upper
45	100		
43	53.3	45.0	67.6
87	28.9	22.2	33.4
59	11.3	9.1	13.7





#23

Vinyl Acetate

Concen: 219.598 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion: 43 Resp: 1412786

Ion Ratio Lower Upper

43 100

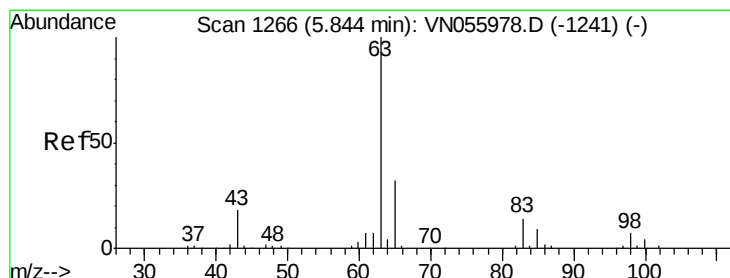
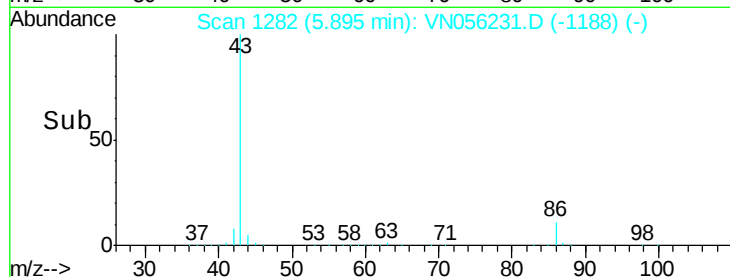
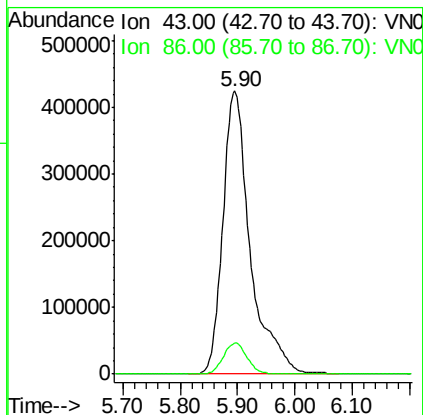
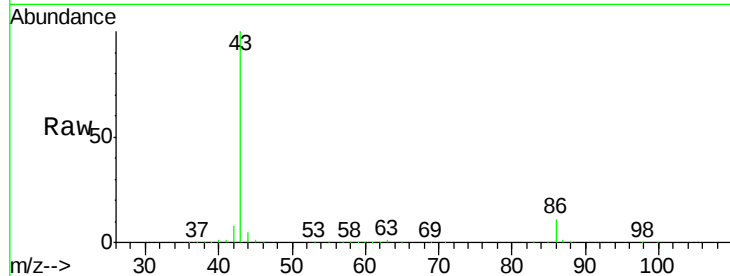
86 11.0 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

6/12/2019 11:11:35 AM



#24

1,1-Dichloroethane

Concen: 49.560 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

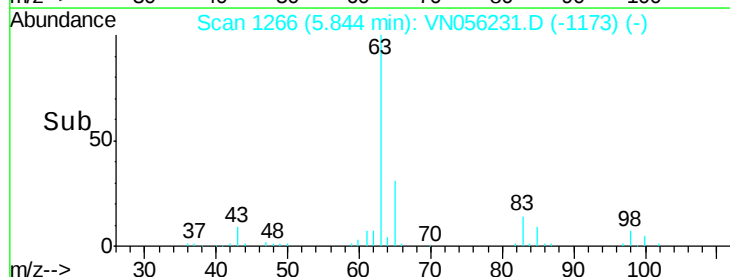
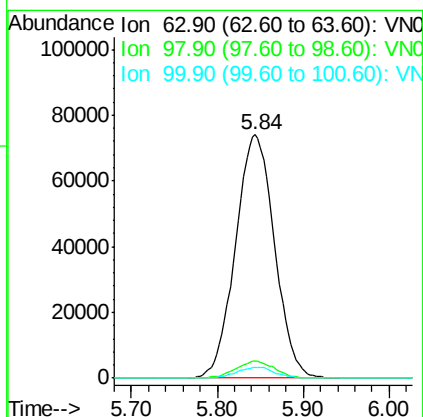
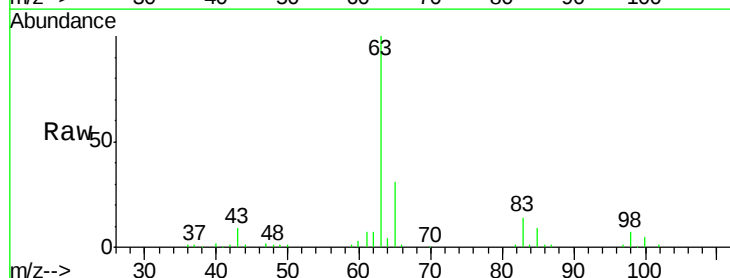
Tgt Ion: 63 Resp: 233553

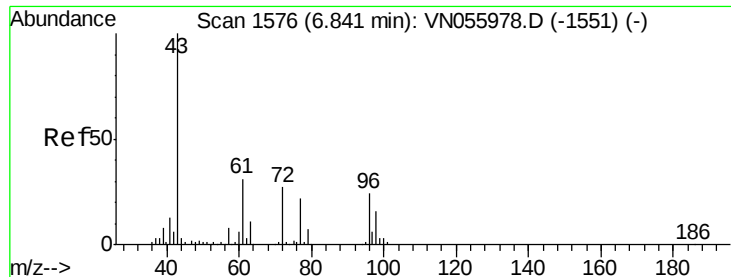
Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 235.975 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion: 43 Resp: 422115

Ion Ratio Lower Upper

43 100

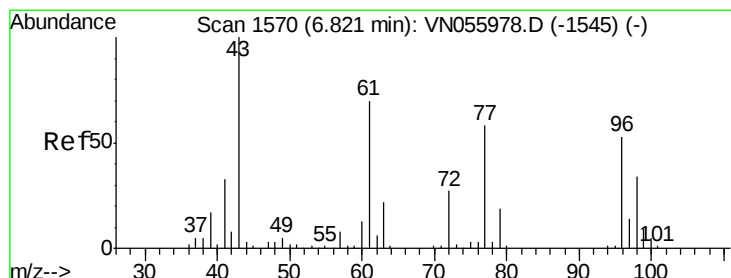
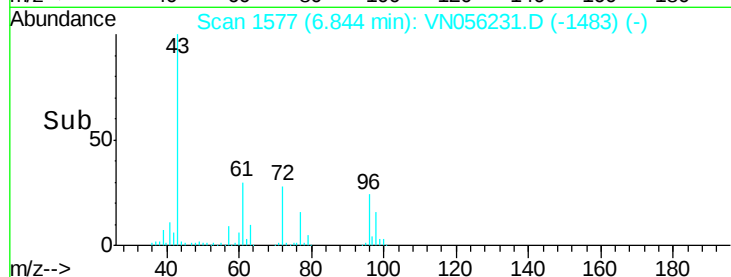
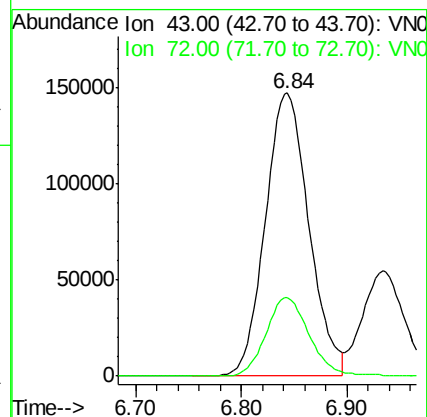
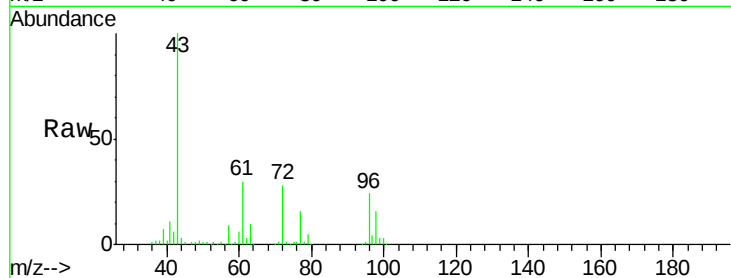
72 27.8 21.9 32.9

Manual Integrations

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6/12/2019 11:11:35 AM



#26

2,2-Dichloropropane

Concen: 35.699 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056231.D

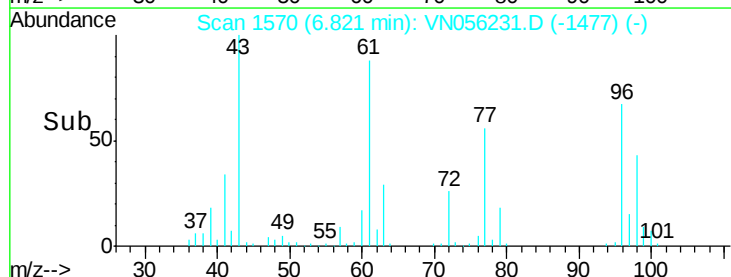
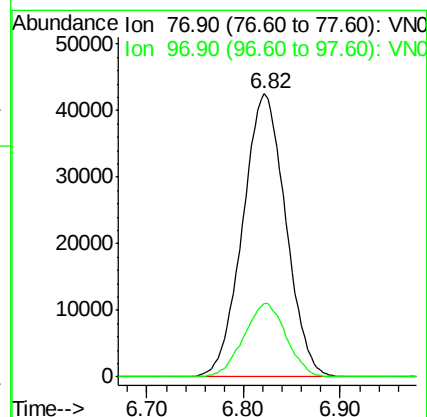
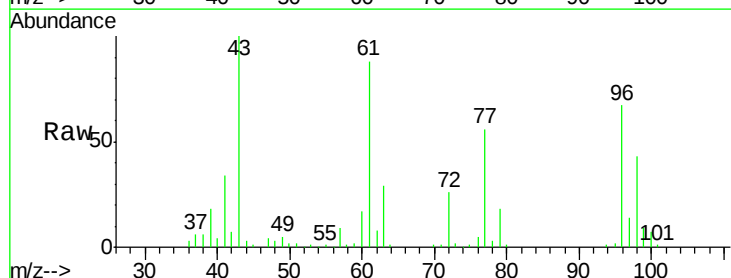
Acq: 11 Jun 2019 18:33

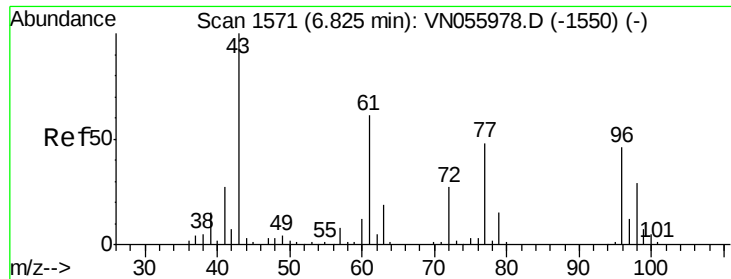
Tgt Ion: 77 Resp: 131274

Ion Ratio Lower Upper

77 100

97 25.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 48.947 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

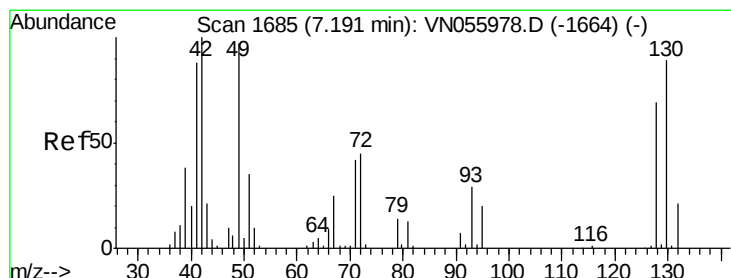
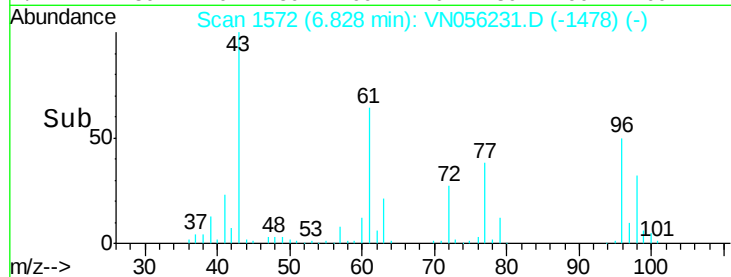
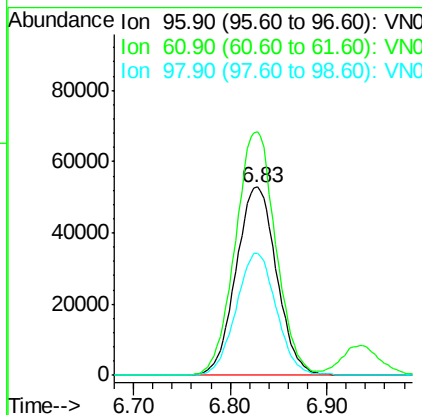
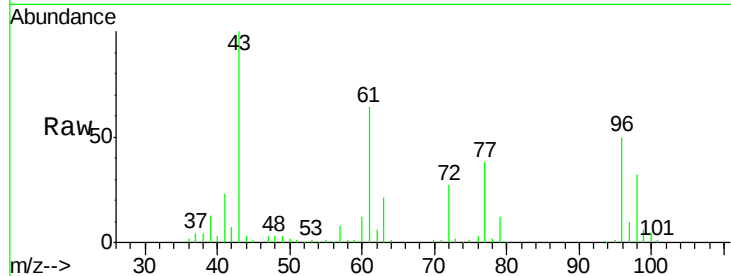
ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion:	96	Resp:	154291
Ion Ratio	Lower	Upper	
96	100		
61	129.3	0.0	275.8
98	64.3	0.0	128.4

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#28

Bromochloromethane

Concen: 52.697 ug/l

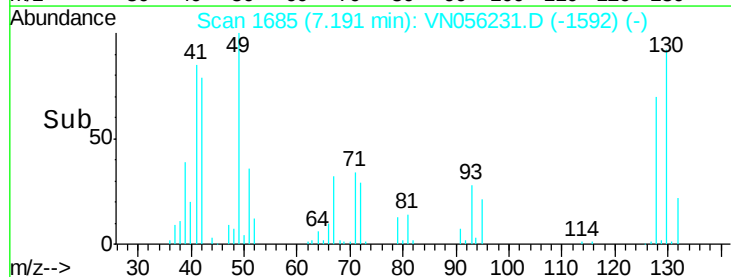
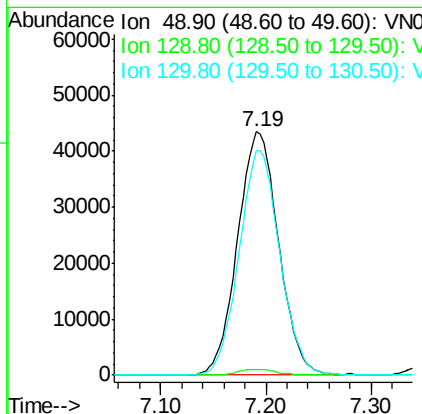
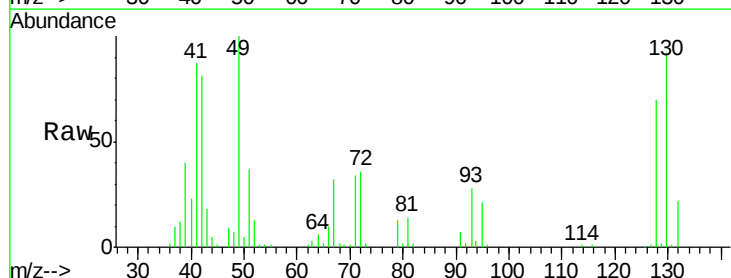
RT: 7.19 min Scan# 1685

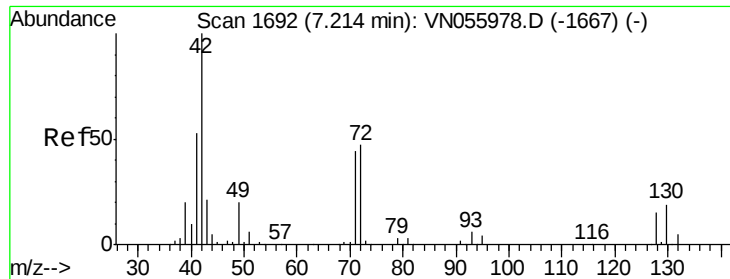
Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Tgt Ion:	49	Resp:	117437
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.4
130	91.6	71.2	106.8





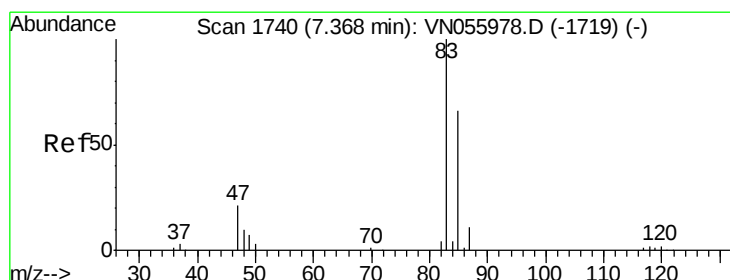
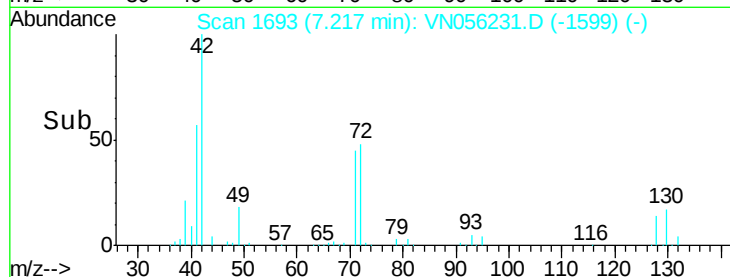
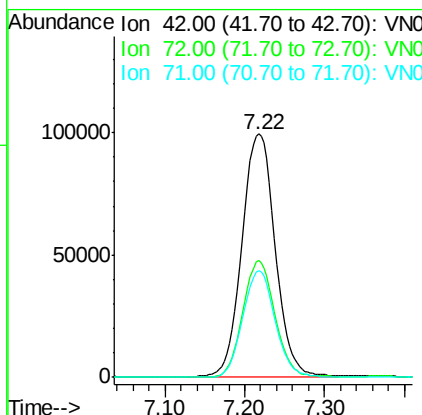
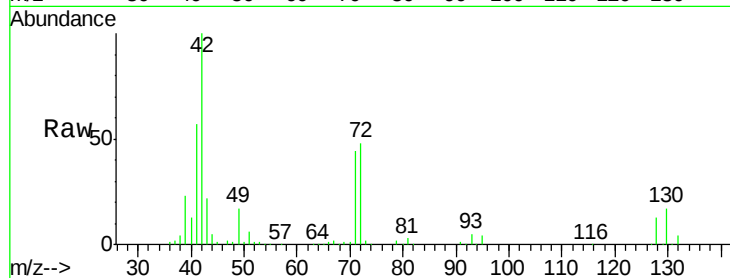
#29
Tetrahydrofuran
Concen: 255.057 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	35.9	53.9
71	42.5	34.0	51.0

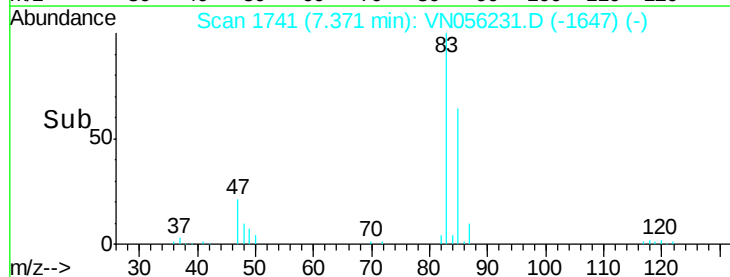
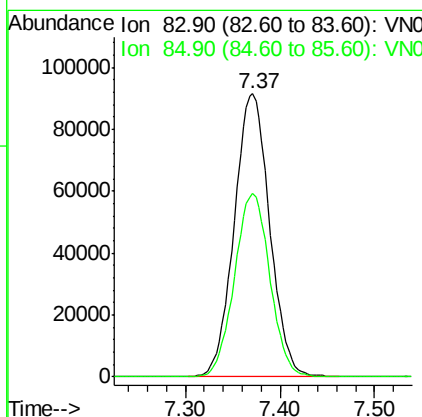
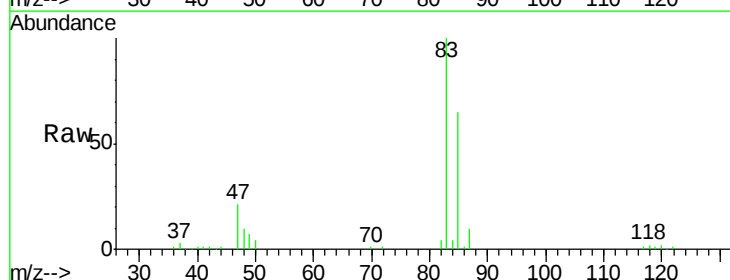
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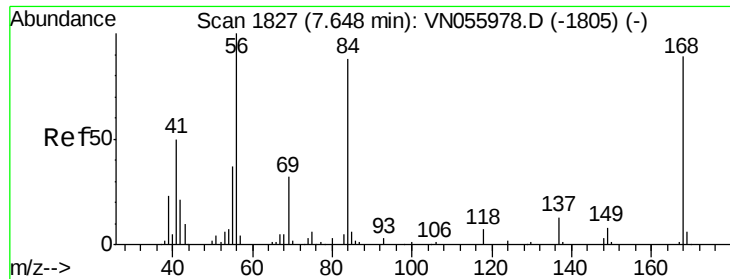
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#30
Chloroform
Concen: 50.324 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.8





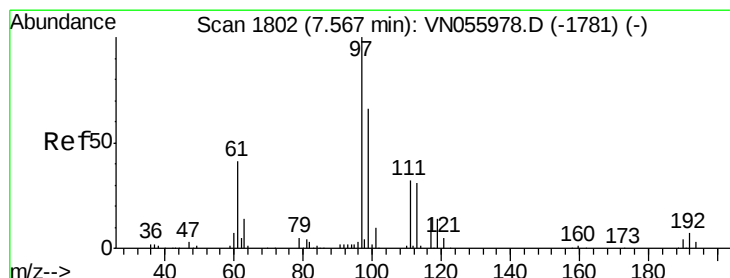
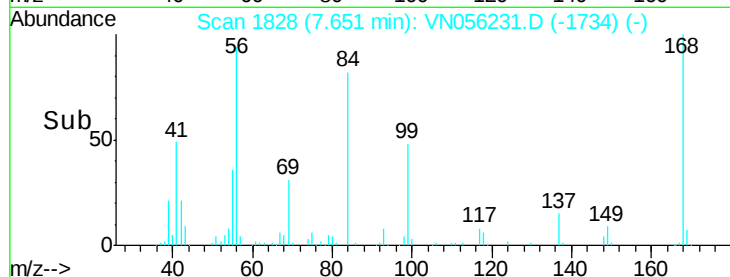
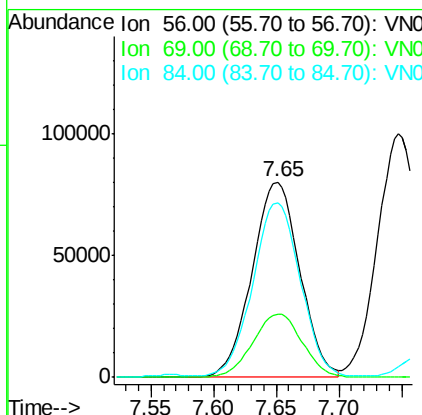
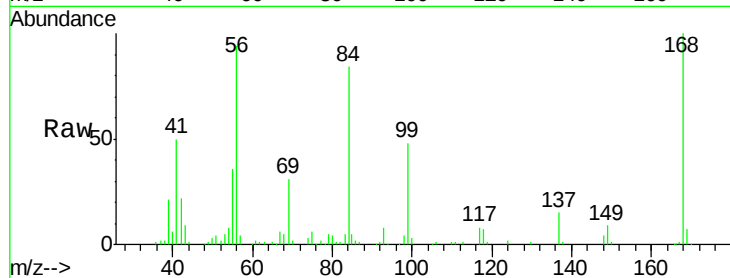
#31
Cyclohexane
Concen: 45.074 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.6	38.4
84	88.4	67.4	101.0

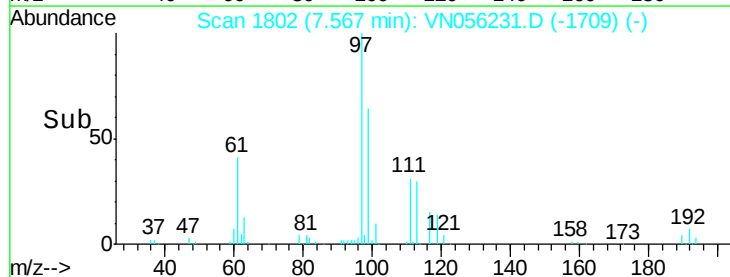
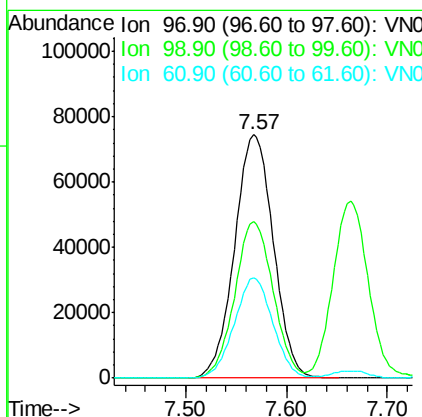
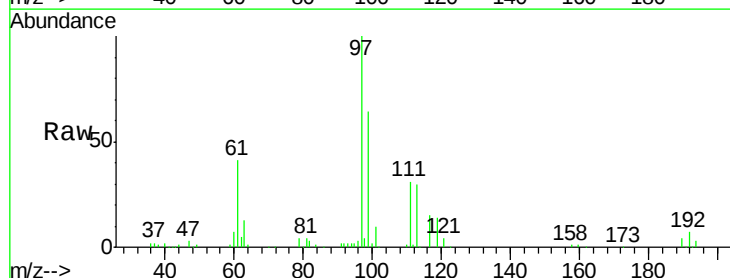
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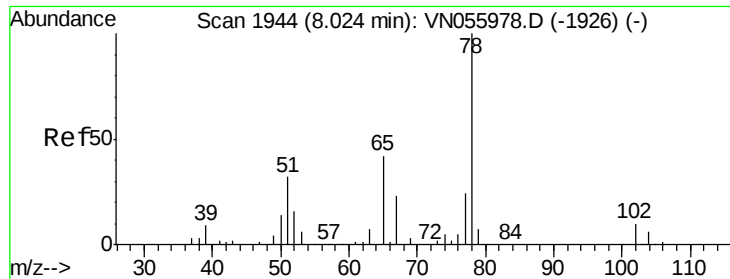
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#32
1,1,1-Trichloroethane
Concen: 50.198 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.0	78.0
61	40.9	32.9	49.3





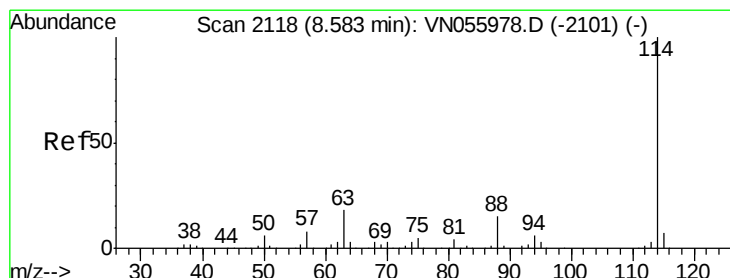
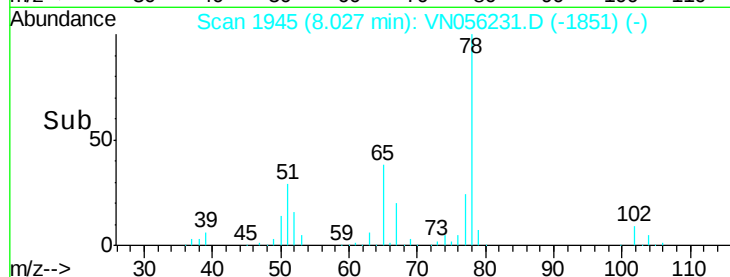
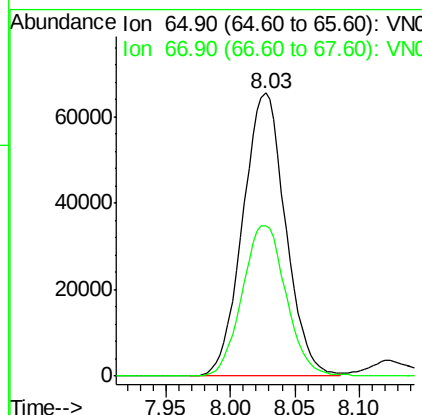
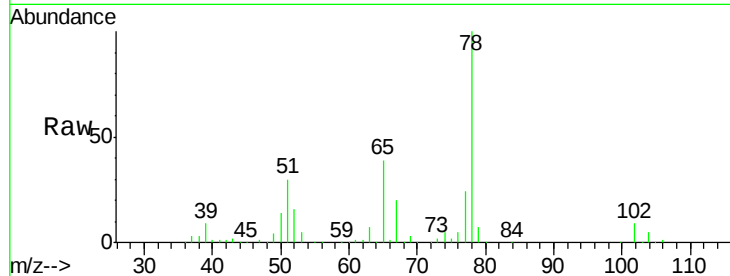
#33
 1,2-Dichloroethane-d4
 Concen: 51.148 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.6	0.0	109.2	

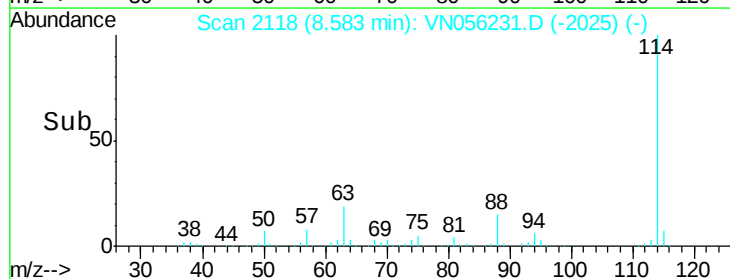
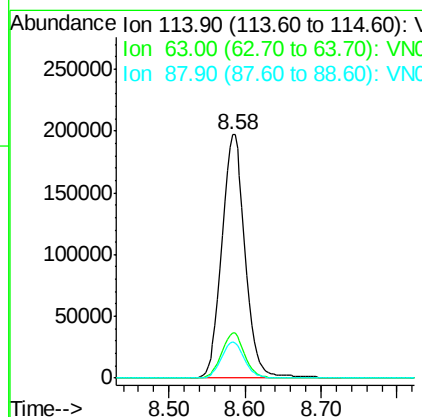
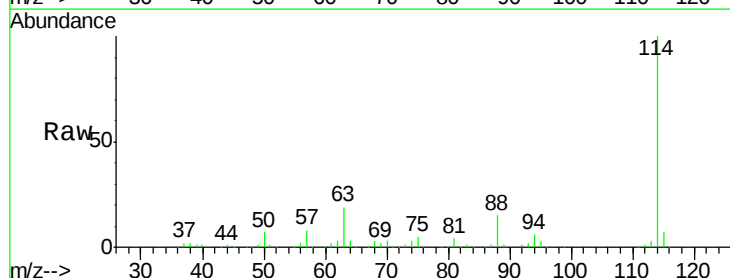
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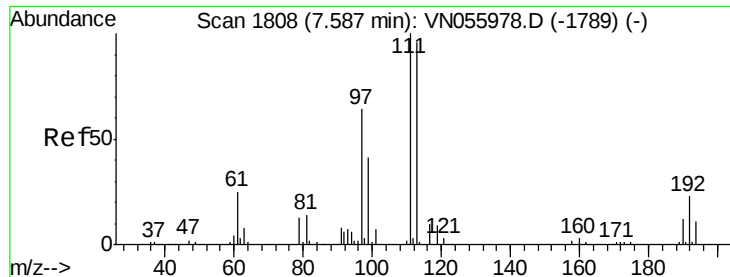
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 6/12/2019 11:11:35 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	39.2	
88	14.9	0.0	31.0	





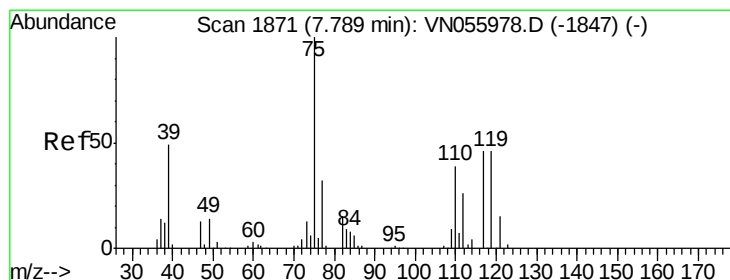
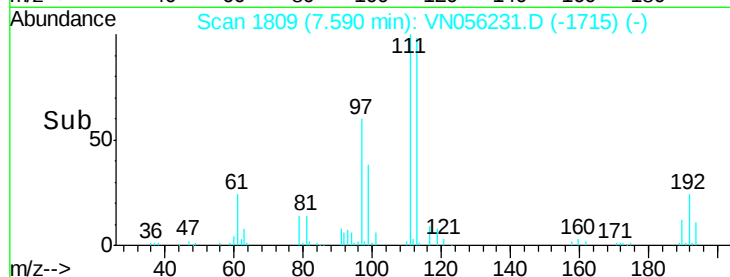
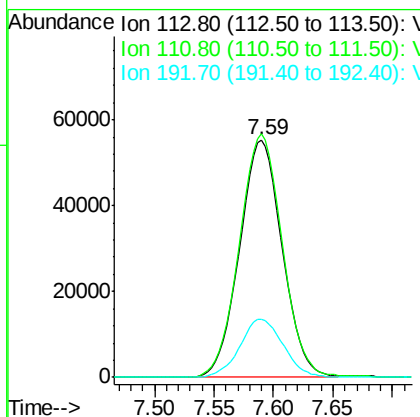
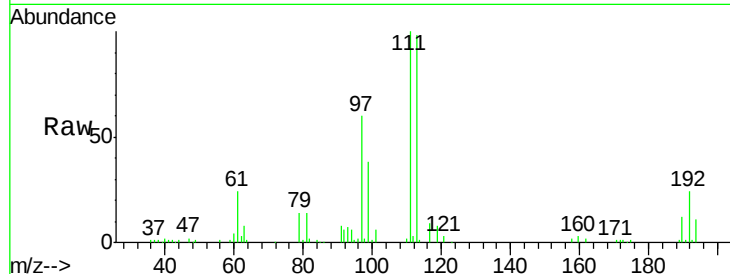
#35
Dibromofluoromethane
Concen: 53.092 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	137081		
111	103.1	81.9	122.9	
192	24.8	19.5	29.3	

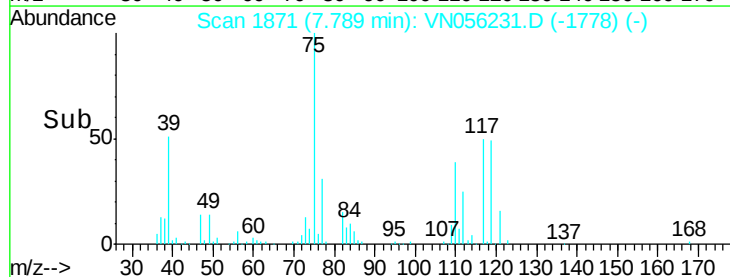
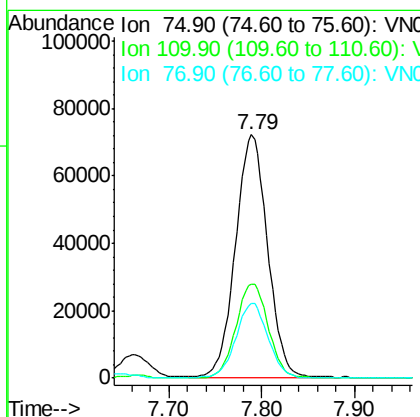
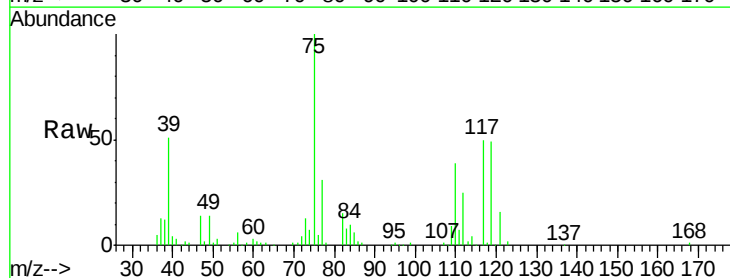
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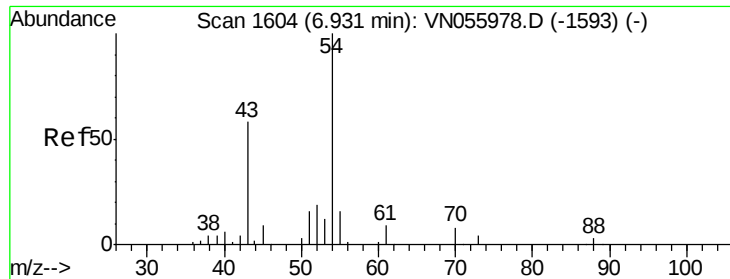
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#36
1,1-Dichloropropene
Concen: 47.843 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	173123		
110	39.1	19.0	57.0	
77	30.9	25.1	37.7	





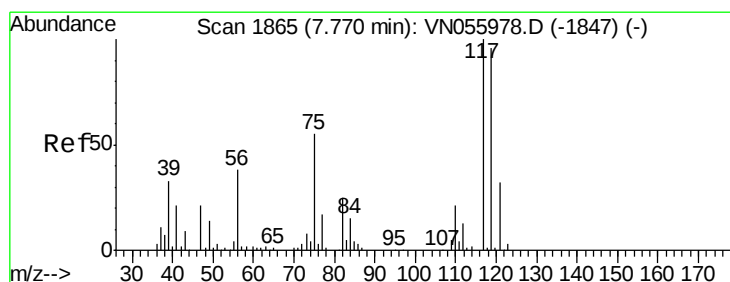
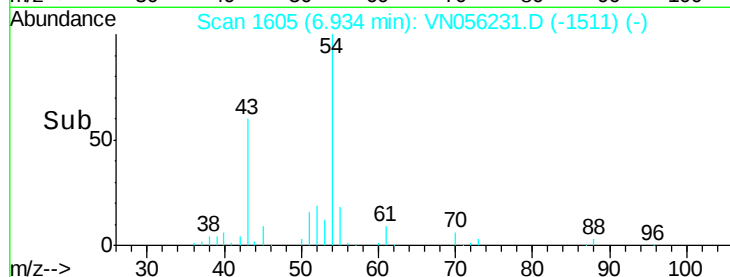
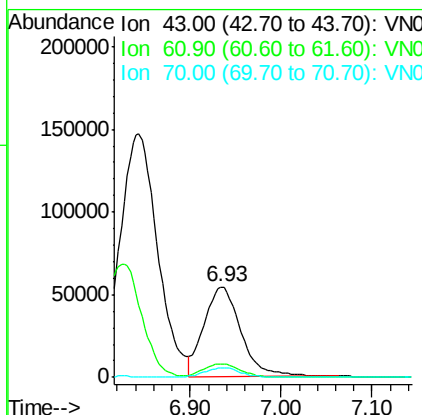
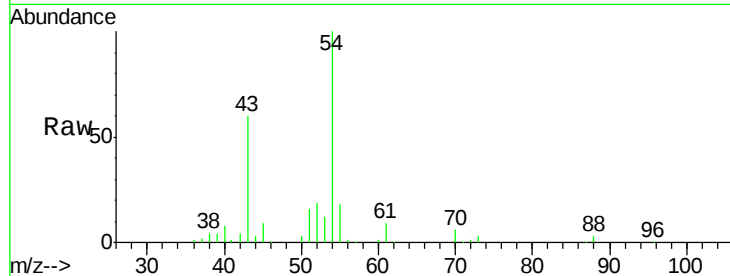
#37
Ethyl Acetate
Concen: 47.574 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.2	18.2
70	10.4	8.9	13.3

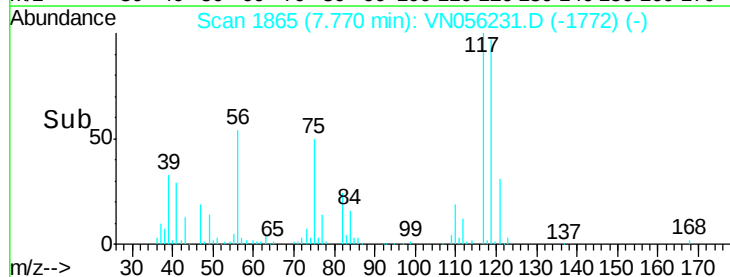
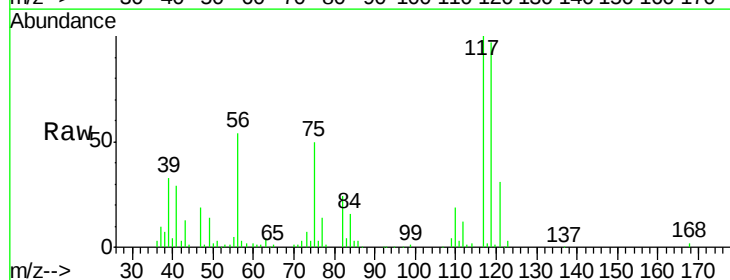
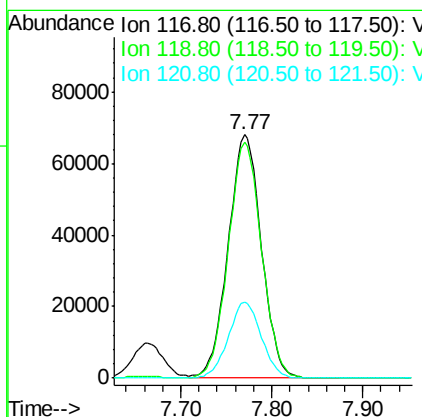
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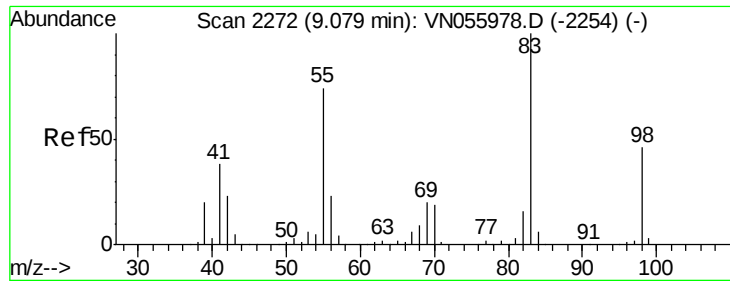
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#38
Carbon Tetrachloride
Concen: 51.763 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	79.0	118.6
121	31.1	24.7	37.1





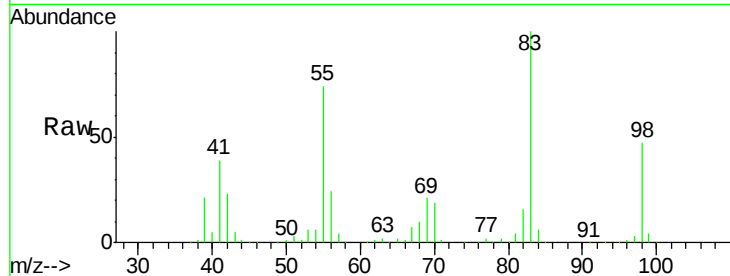
#39
Methvlcvclohexane
Concen: 46.499 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

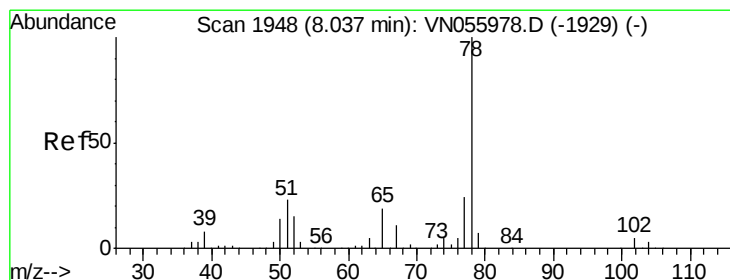
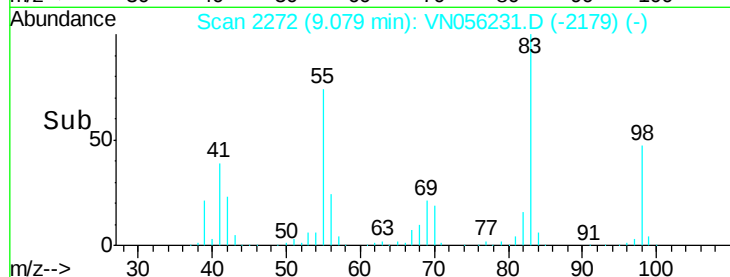
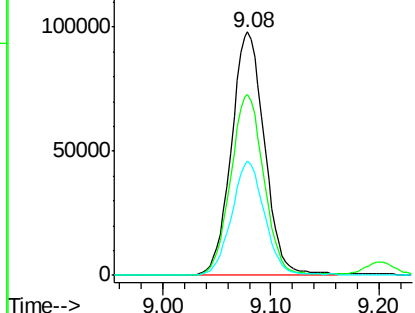
Tot Ion	Ratio	Resp	Lower	Upper
83	100	209605		
55	74.5		59.3	88.9
98	46.8		36.6	54.8

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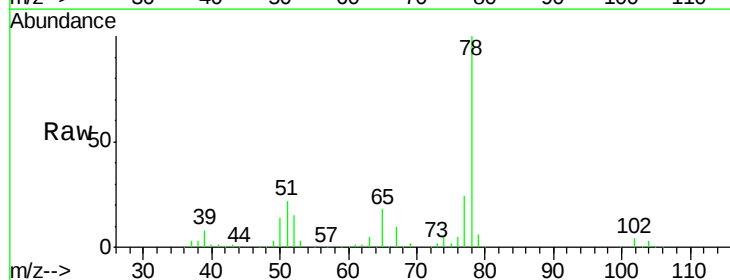


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

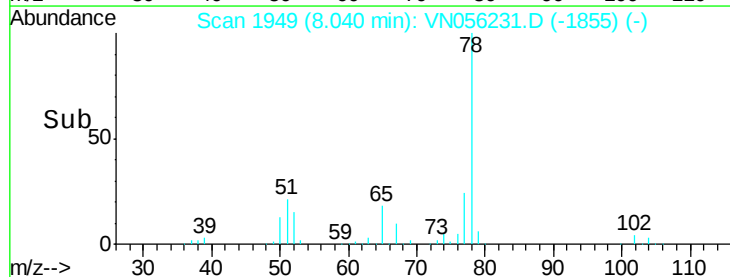
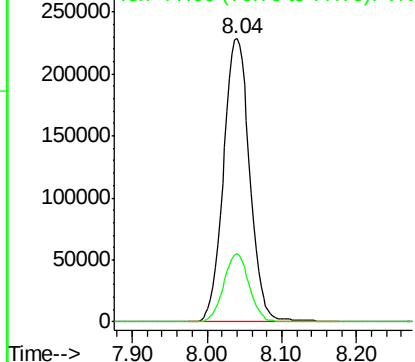


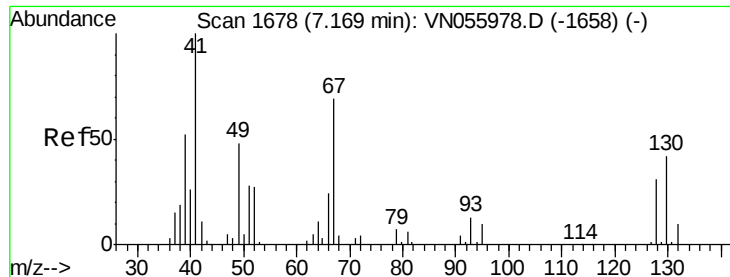
#40
Benzene
Concen: 50.387 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	553778		
77	24.0		18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VNO
Ion 77.00 (76.70 to 77.70): VNO





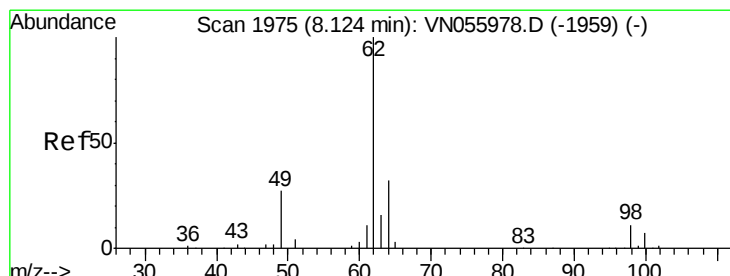
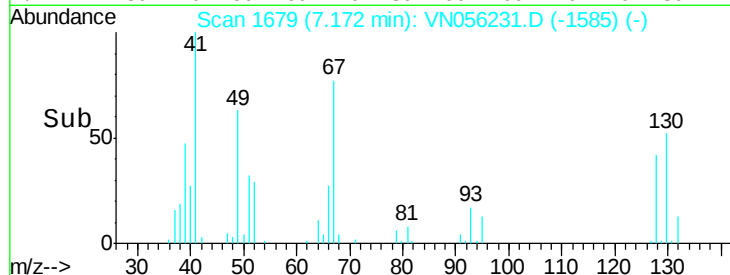
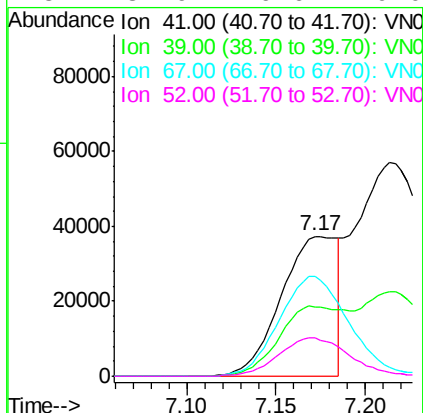
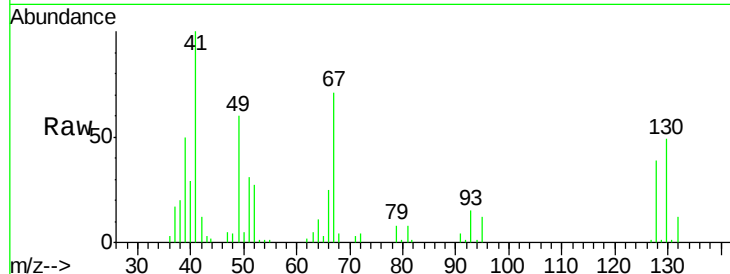
#41
Methacrylonitrile
Concen: 55.009 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion:	41	Resp:	81488
Ion	Ratio	Lower	Upper
41	100		
39	63.3	45.6	68.4
67	90.0	67.7	101.5
52	34.9	26.6	40.0

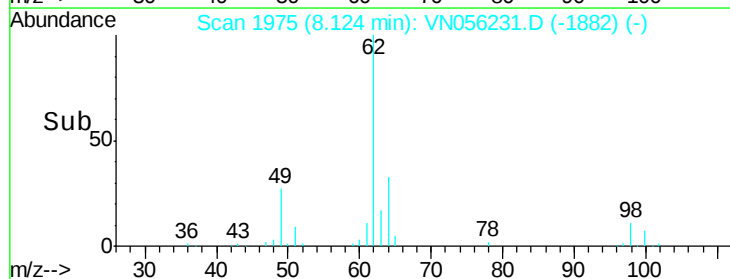
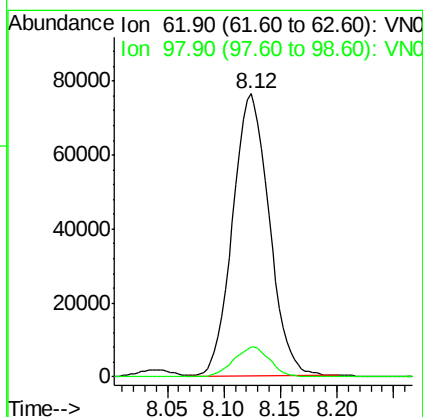
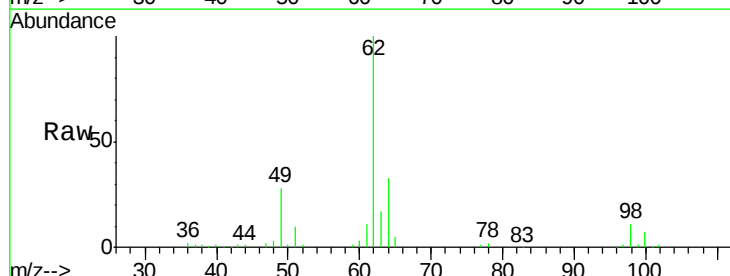
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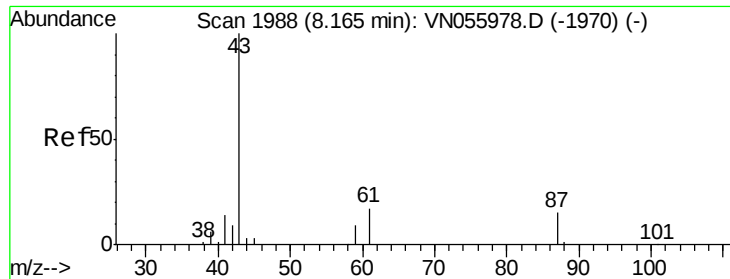
MMDadoda
6/12/2019 11:11:35 AM



#42
1,2-Dichloroethane
Concen: 48.767 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion:	62	Resp:	172404
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.2





#43

Isopropyl Acetate

Concen: 47.089 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

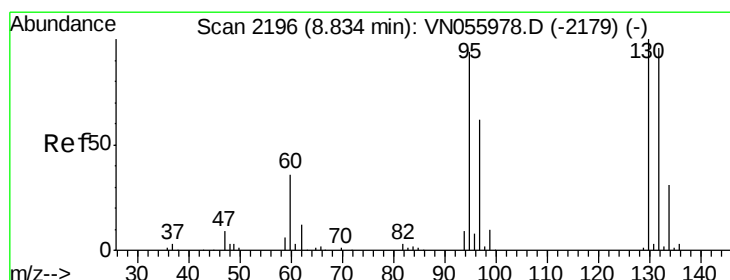
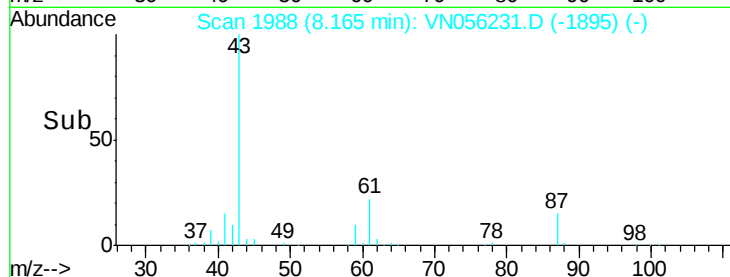
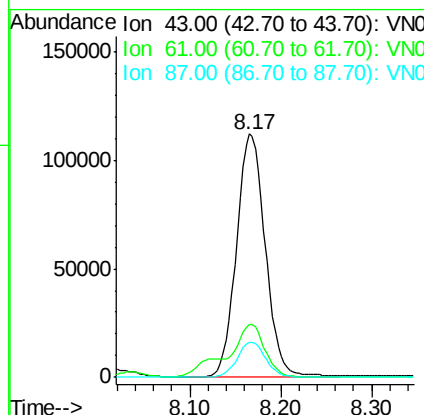
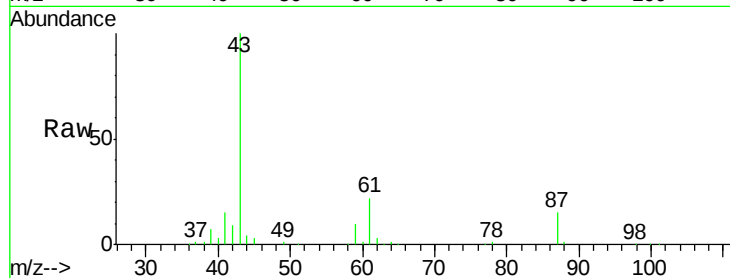
ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion:	43	Resp:	245680
Ion	Ratio	Lower	Upper
43	100		
61	28.3	22.2	33.4
87	14.4	11.4	17.2

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6/12/2019 11:11:35 AM



#44

Trichloroethene

Concen: 49.660 ug/l

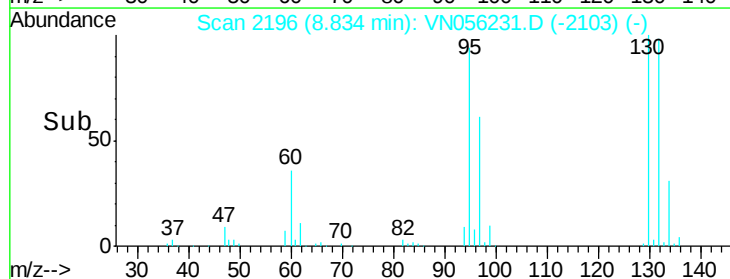
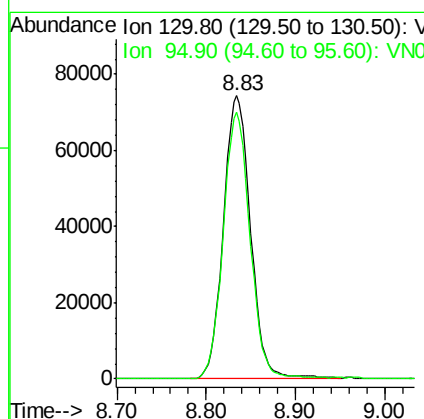
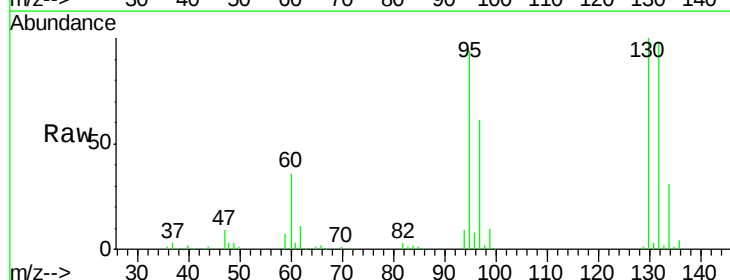
RT: 8.83 min Scan# 2196

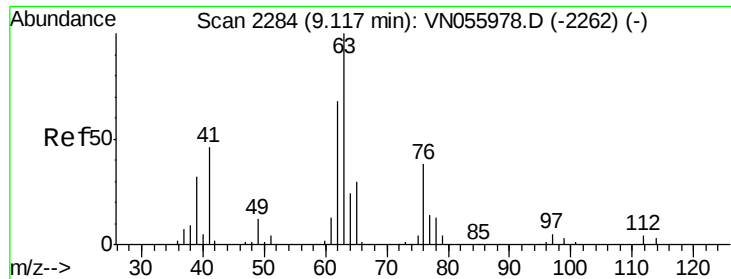
Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Tgt Ion:	130	Resp:	156831
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	188.0





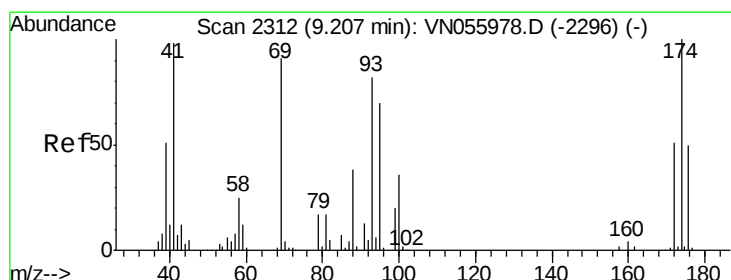
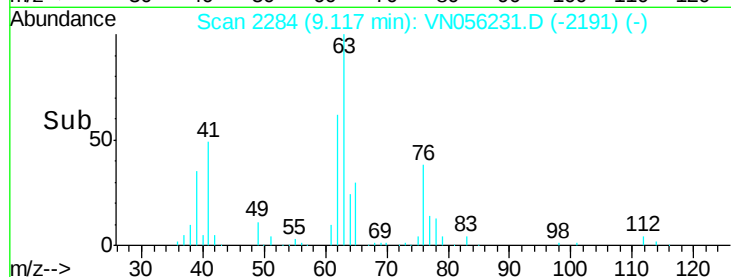
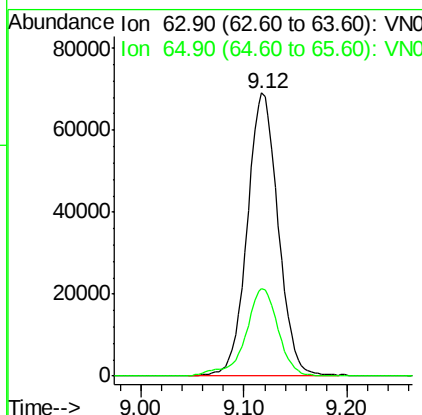
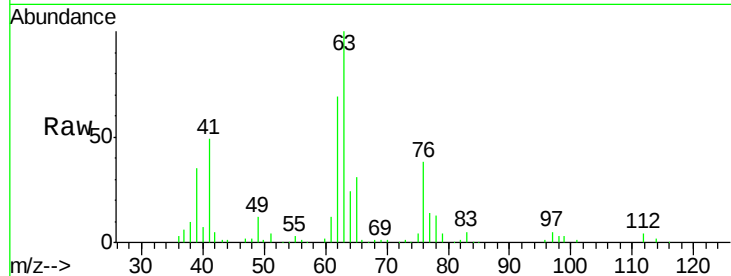
#45
 1,2-Dichloropropane
 Concen: 51.118 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

Tot Ion: 63 Resp: 143905
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 36.8

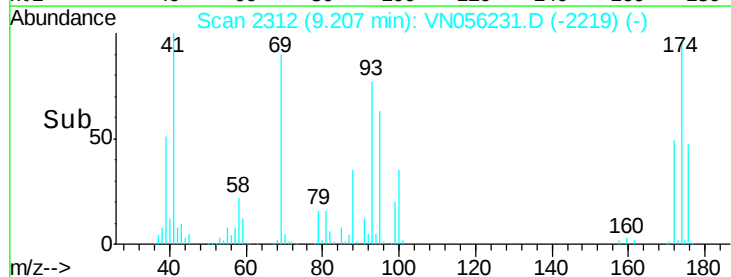
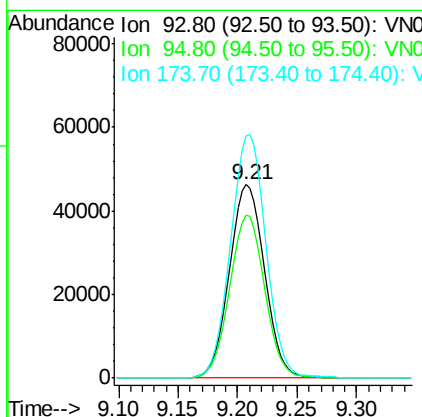
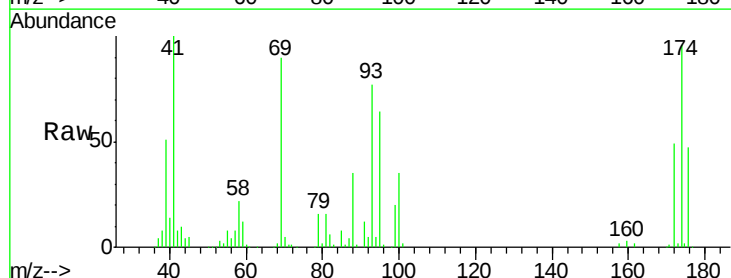
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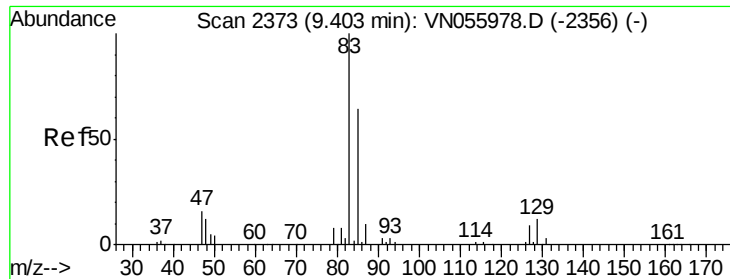
MMDadoda
 6/12/2019 11:11:35 AM



#46
 Dibromomethane
 Concen: 51.683 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Tgt Ion: 93 Resp: 95142
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.7 100.1
 174 126.0 96.4 144.6





#47

Bromodichloromethane

Concen: 53.680 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

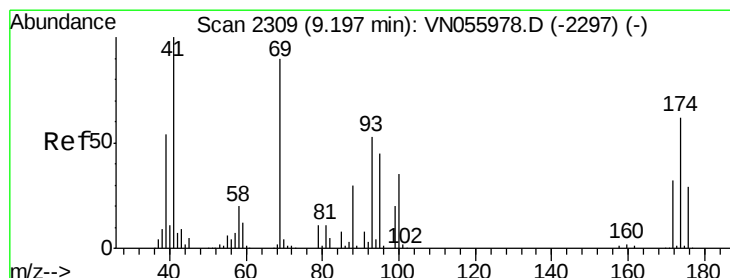
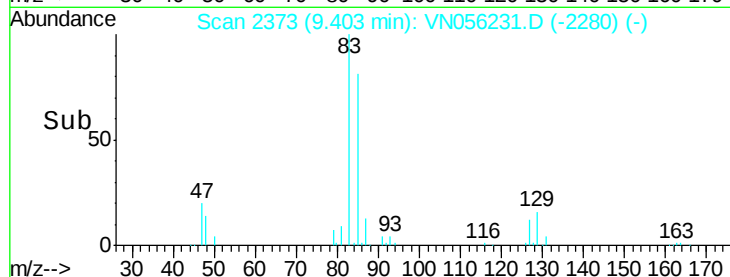
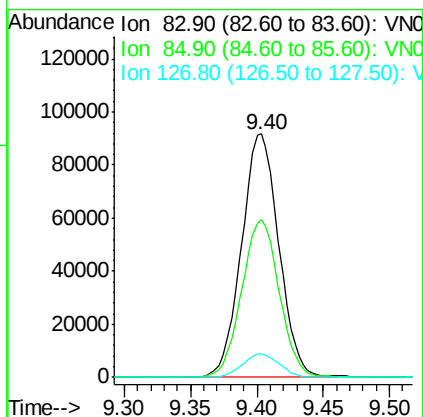
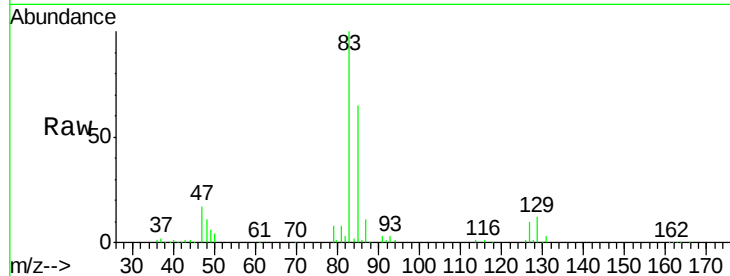
ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion:	83	Resp:	179100
Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.2	78.2
127	9.7	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.801 ug/l

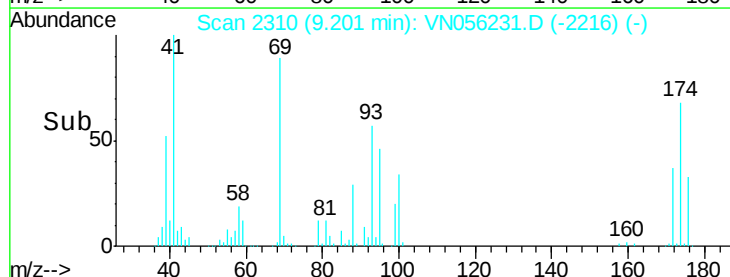
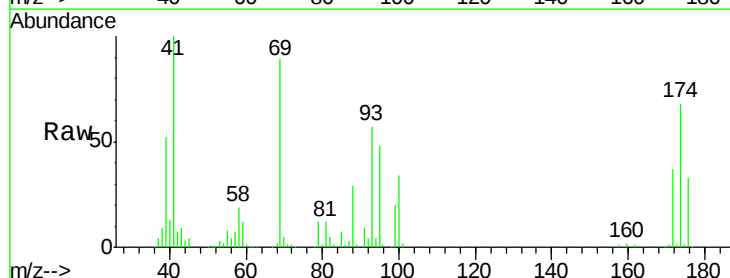
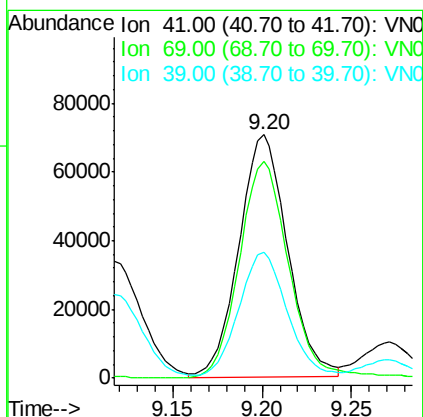
RT: 9.20 min Scan# 2310

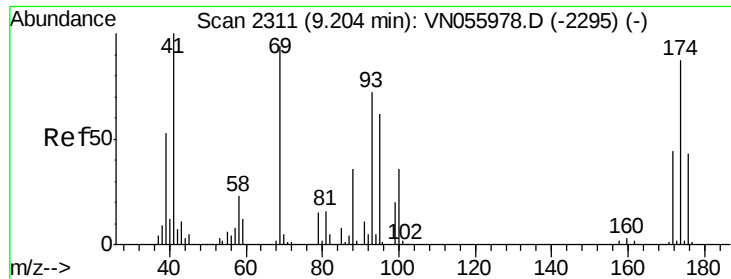
Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Tgt Ion:	41	Resp:	134773
Ion	Ratio	Lower	Upper
41	100		
69	90.9	71.0	106.6
39	51.8	44.2	66.2





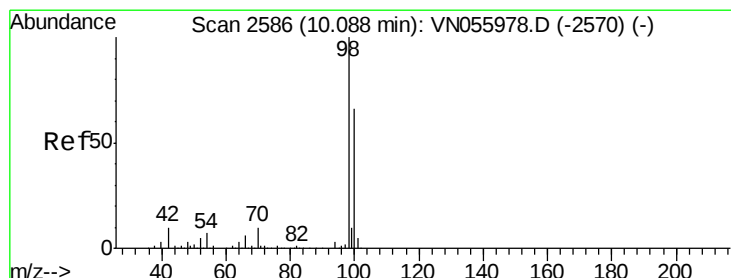
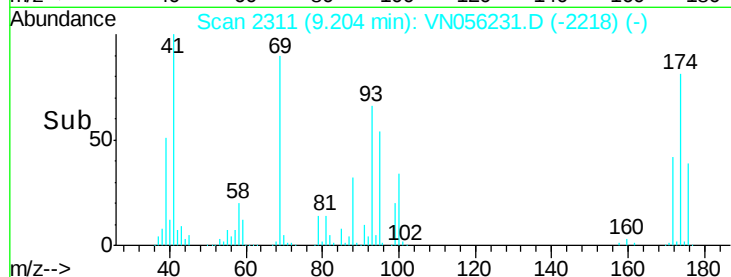
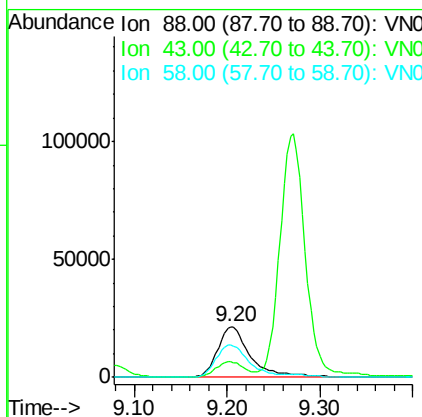
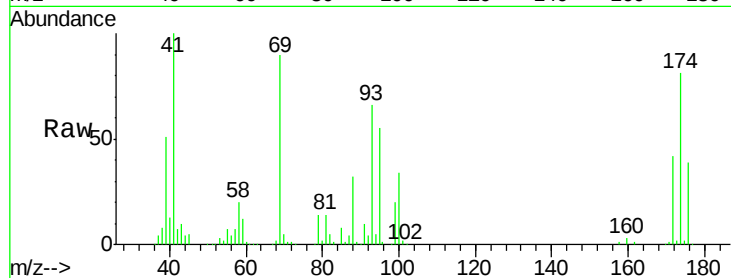
#49
1,4-Dioxane
Concen: 962.139 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.9	20.5	30.7
58	69.6	55.8	83.6

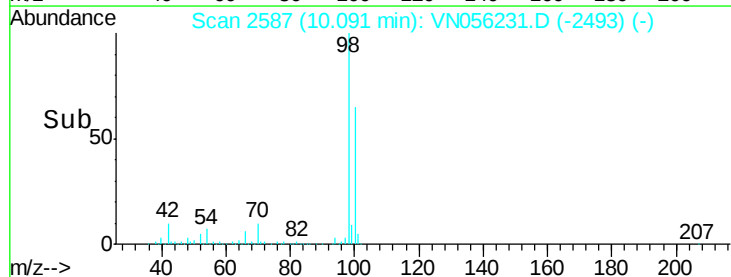
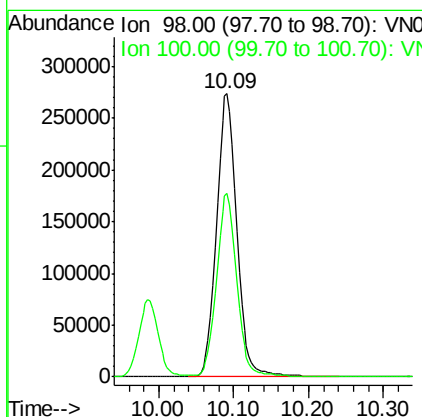
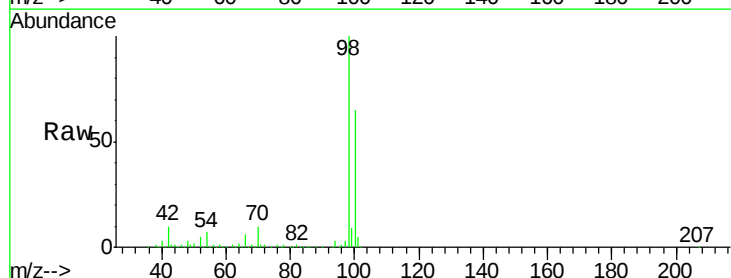
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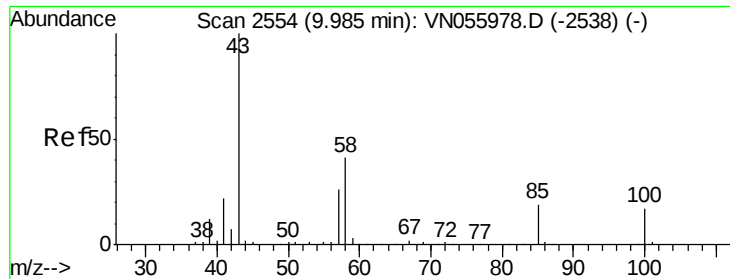
MMDadoda
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#50
Toluene-d8
Concen: 52.105 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 264.327 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleID :

BP-TT-AOC22-MW10-20190609MS

Tot Ion: 43 Resp: 862420

Ion Ratio Lower Upper

43 100

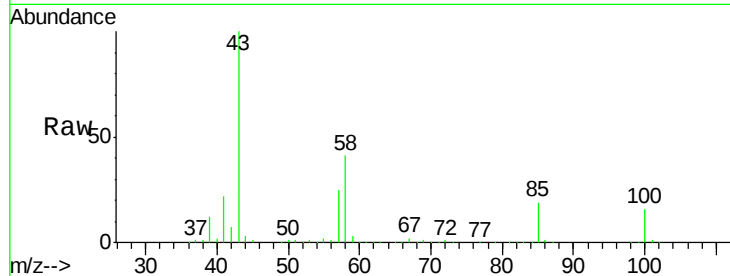
58 40.2 32.1 48.1

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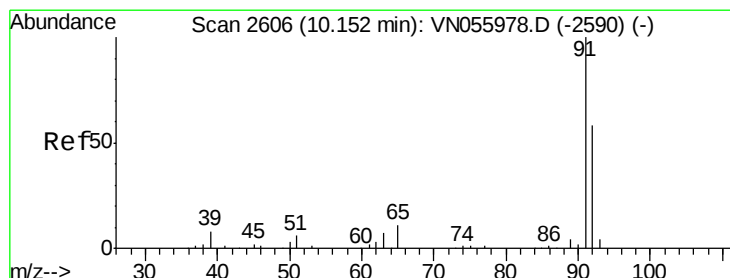
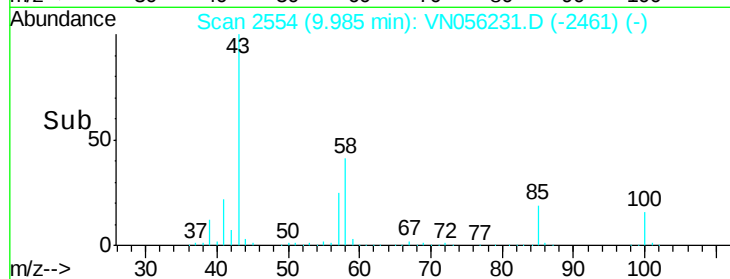
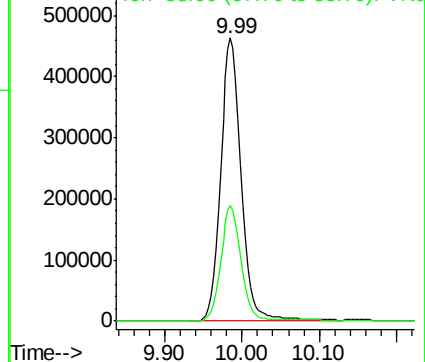
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.886 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056231.D

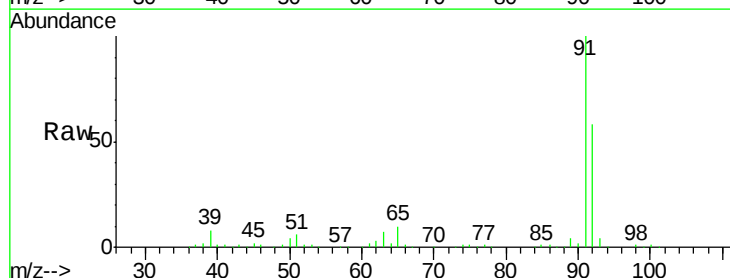
Acq: 11 Jun 2019 18:33

Tgt Ion: 92 Resp: 348005

Ion Ratio Lower Upper

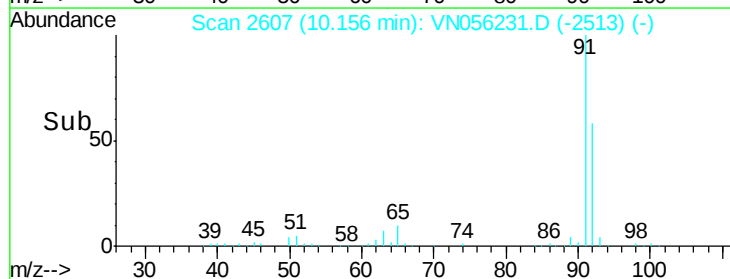
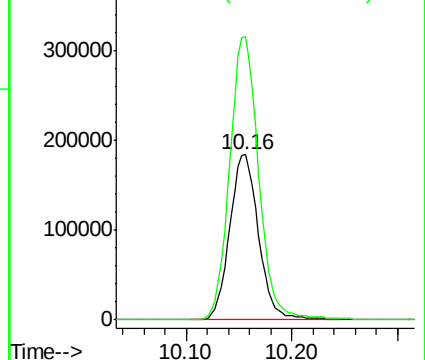
92 100

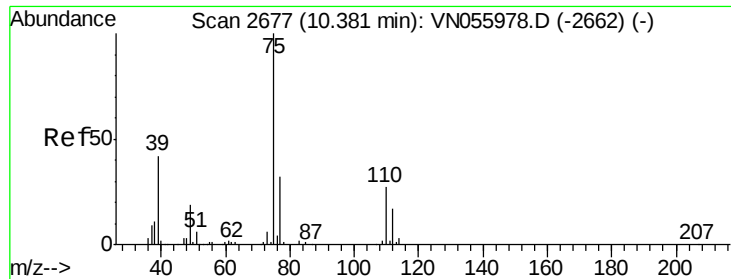
91 173.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





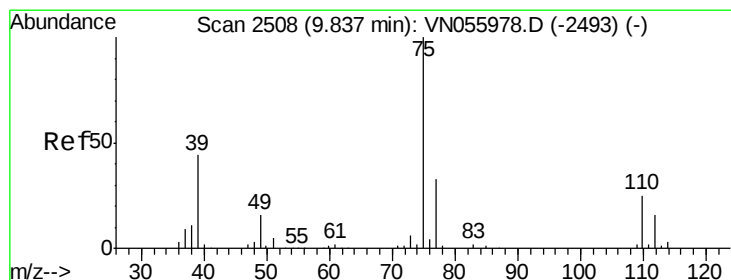
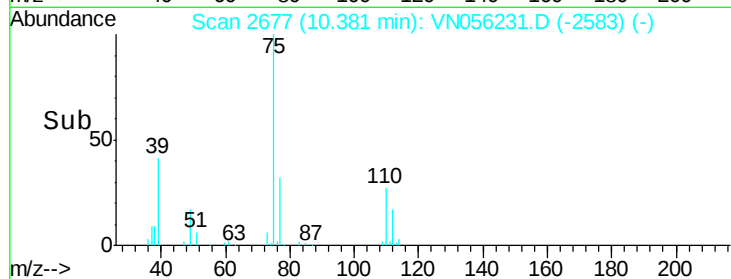
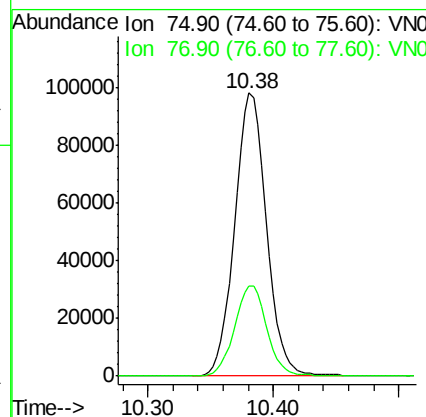
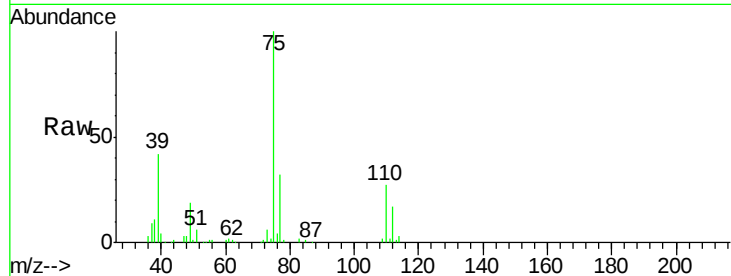
#53
t-1,3-Dichloropropene
Concen: 44.457 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6

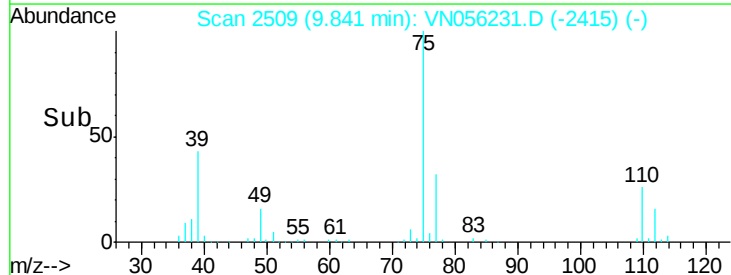
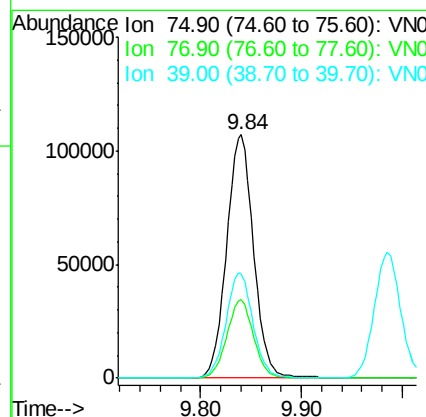
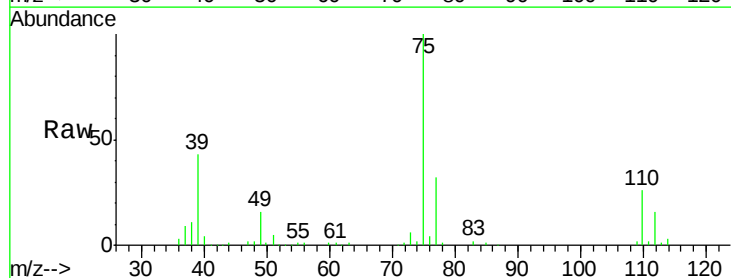
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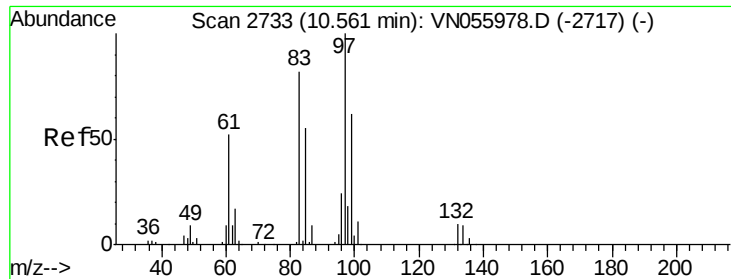
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6/12/2019 11:11:35 AM



#54
cis-1,3-Dichloropropene
Concen: 49.903 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.4	38.0
39	42.9	36.3	54.5





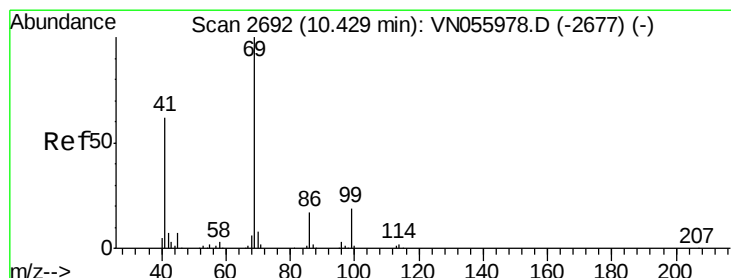
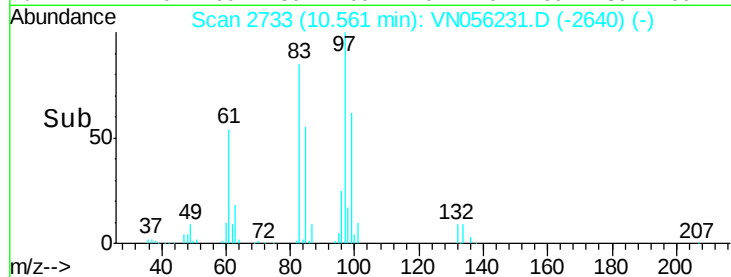
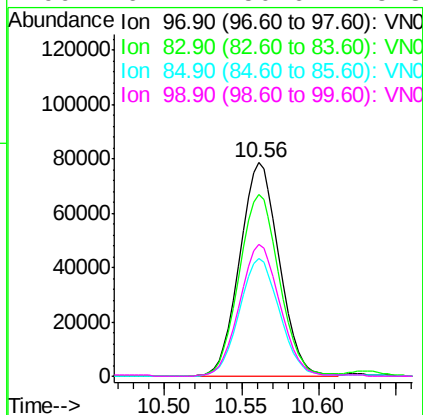
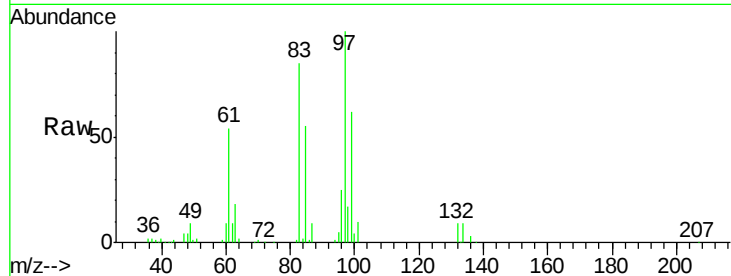
#55
 1,1,2-Trichloroethane
 Concen: 51.676 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

Tot Ion:	97	Resp:	139992
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.0	100.6
85	55.1	44.0	66.0
99	61.4	50.6	75.8

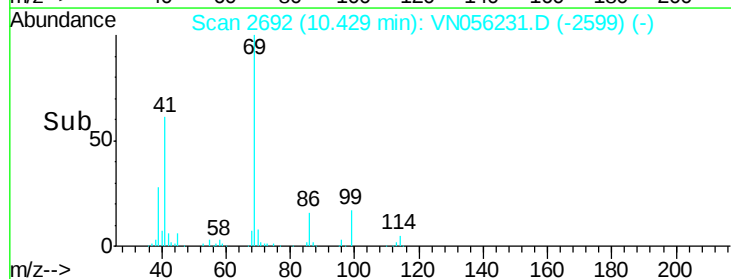
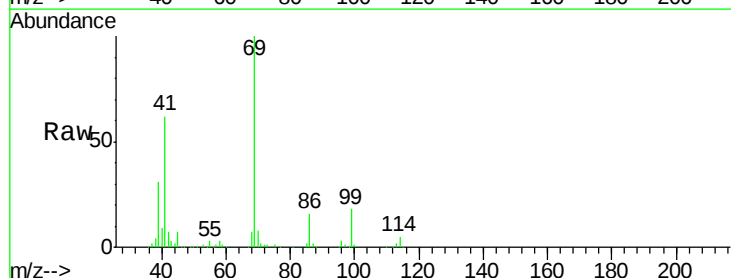
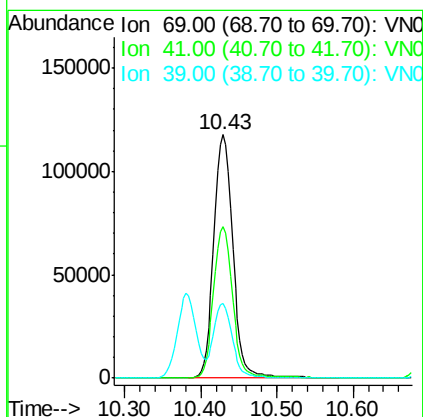
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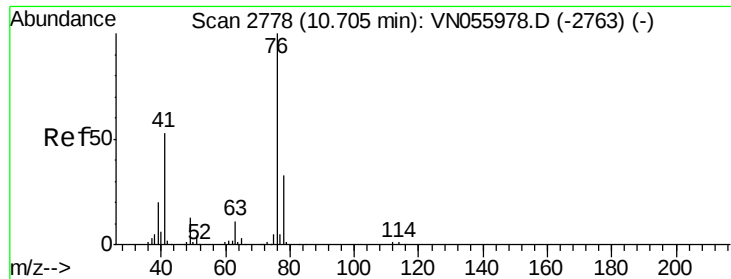
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 6/12/2019 11:11:35 AM



#56
 Ethyl methacrylate
 Concen: 52.154 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Tgt Ion:	69	Resp:	206120
Ion	Ratio	Lower	Upper
69	100		
41	60.8	49.7	74.5
39	29.7	24.7	37.1





#57

1,3-Dichloropropane

Concen: 52.019 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion: 76 Resp: 229084

Ion Ratio Lower Upper

76 100

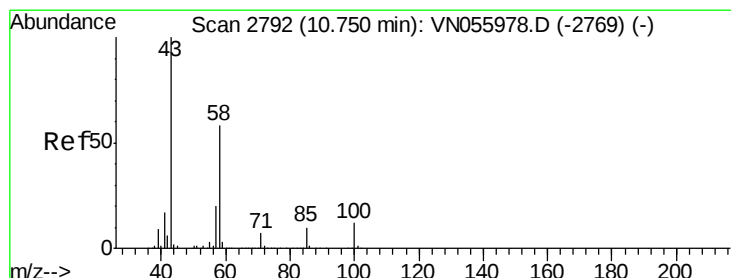
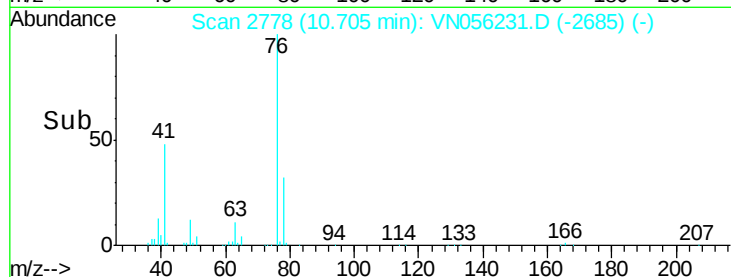
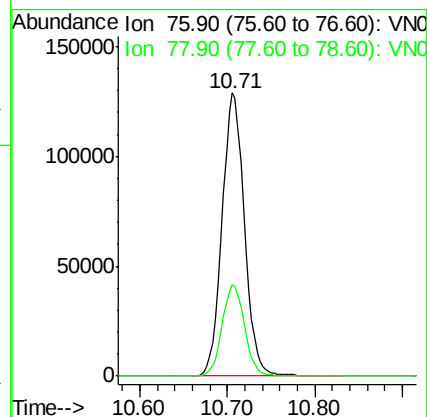
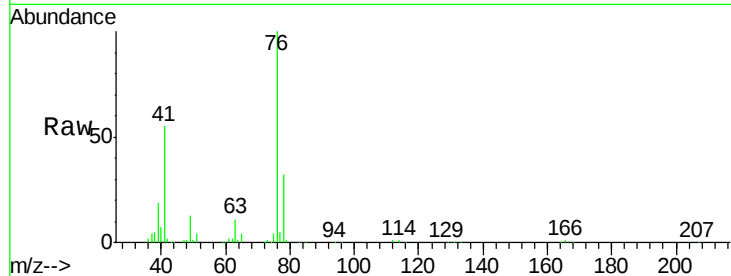
78 32.3 25.8 38.6

Manual Integrations

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6/12/2019 11:11:35 AM



#59

2-Hexanone

Concen: 251.569 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056231.D

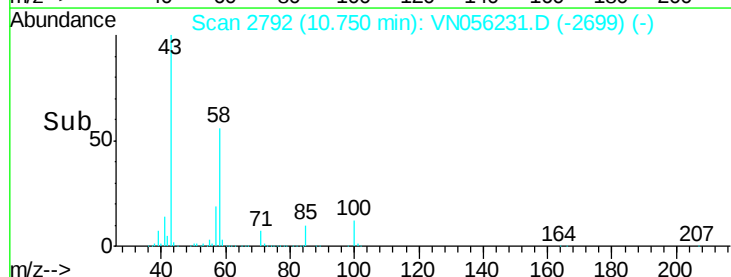
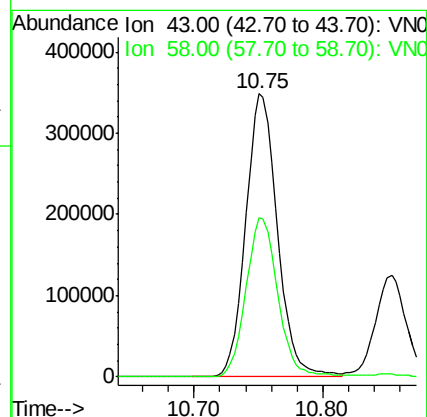
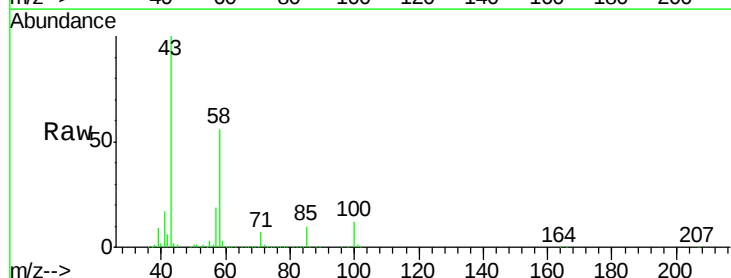
Acq: 11 Jun 2019 18:33

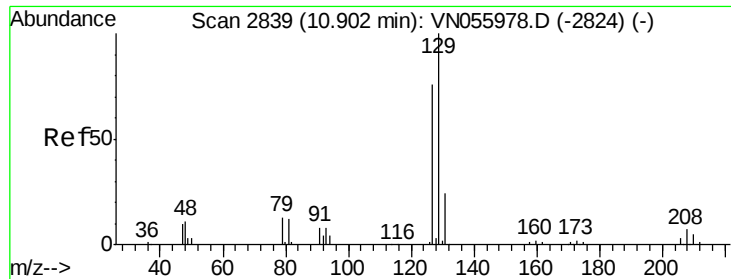
Tgt Ion: 43 Resp: 594893

Ion Ratio Lower Upper

43 100

58 56.8 28.2 84.7





#60

Dibromochloromethane

Concen: 51.435 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion:129 Resp: 153900

Ion Ratio Lower Upper

129 100

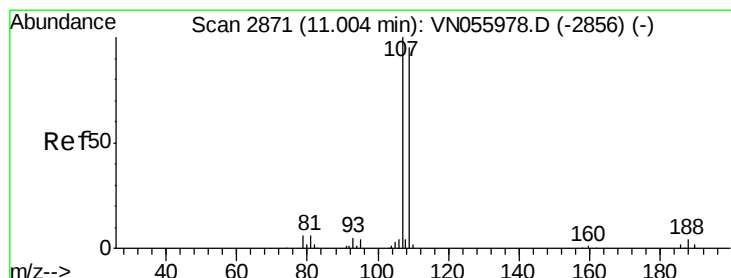
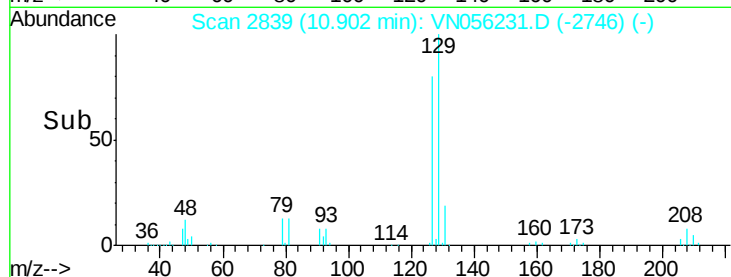
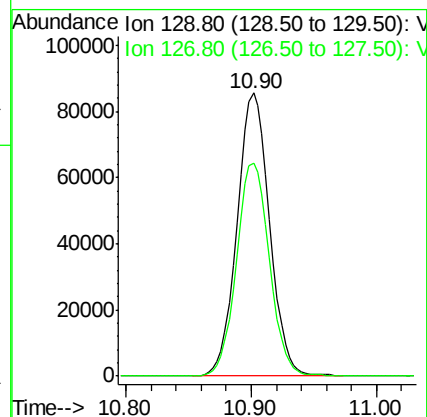
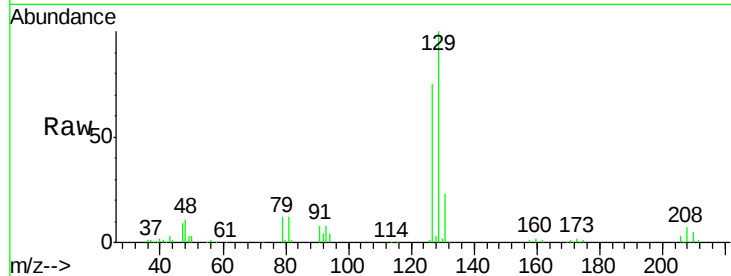
127 76.5 38.1 114.3

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 52.808 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056231.D

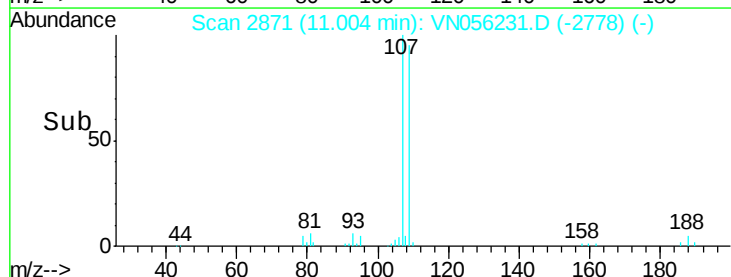
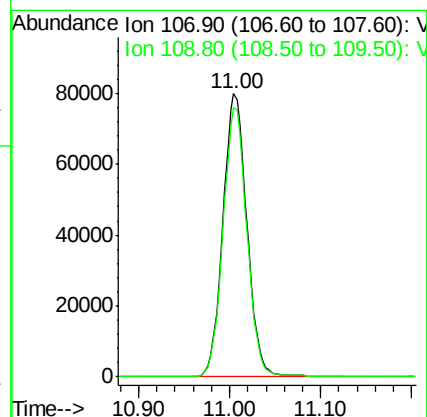
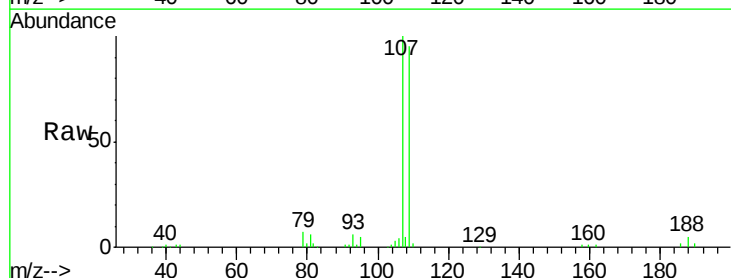
Acq: 11 Jun 2019 18:33

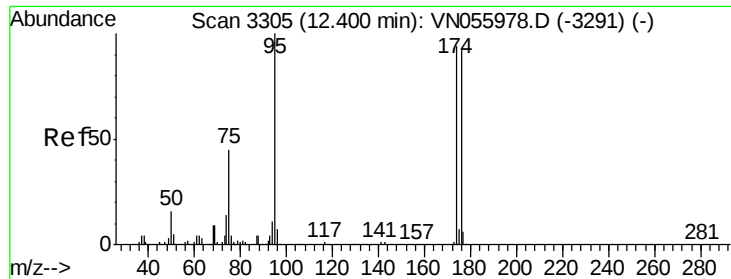
Tgt Ion:107 Resp: 146250

Ion Ratio Lower Upper

107 100

109 94.2 74.8 112.2





#62

4-Bromofluorobenzene

Concen: 51.954 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

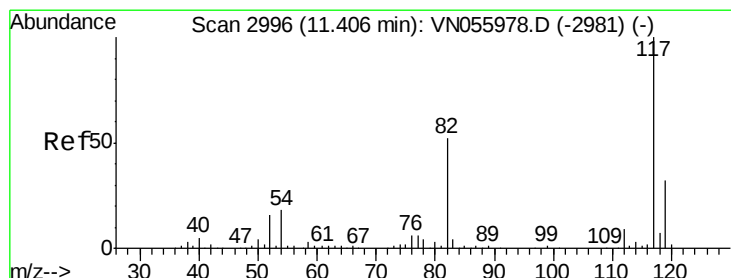
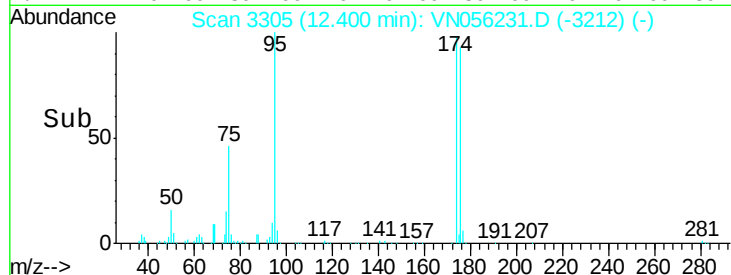
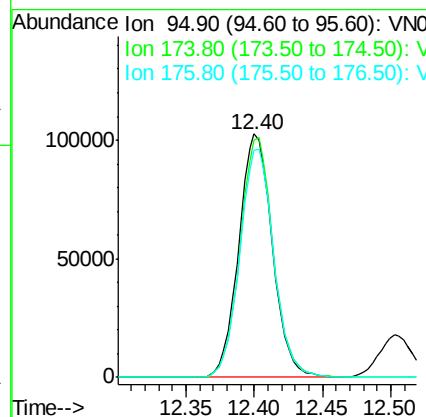
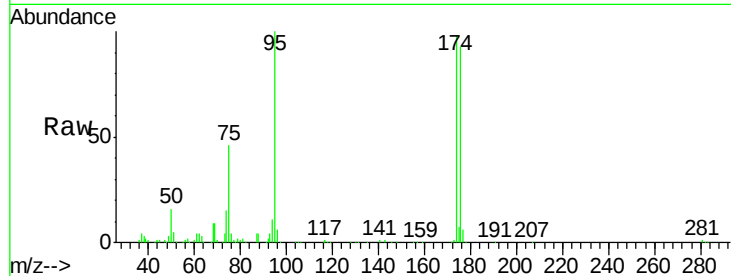
ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion:	95	Resp:	175541
Ion	Ratio	Lower	Upper
95	100		
174	97.4	0.0	191.0
176	94.4	0.0	185.2

Manual Integrations
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6/12/2019 11:11:35 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

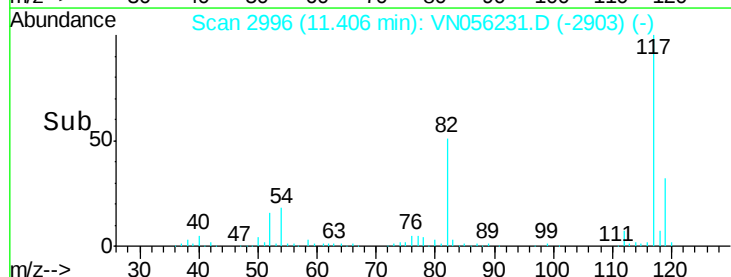
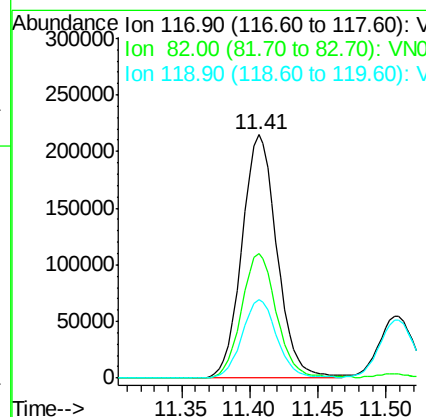
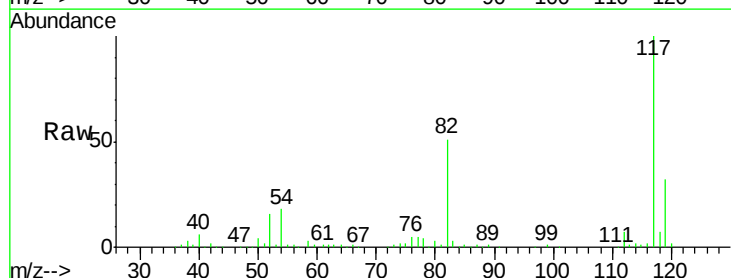
RT: 11.41 min Scan# 2996

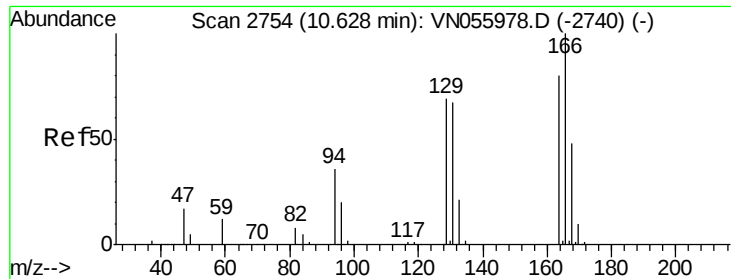
Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Tgt Ion:	117	Resp:	383234
Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.8	62.8
119	32.4	25.4	38.0





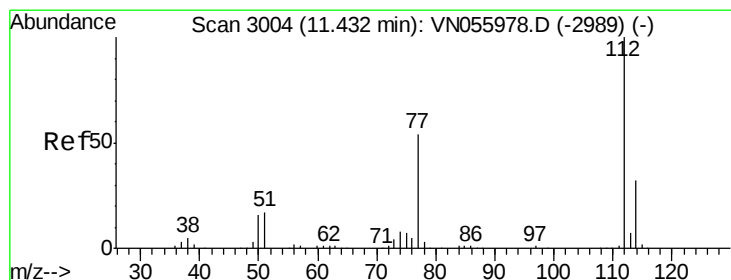
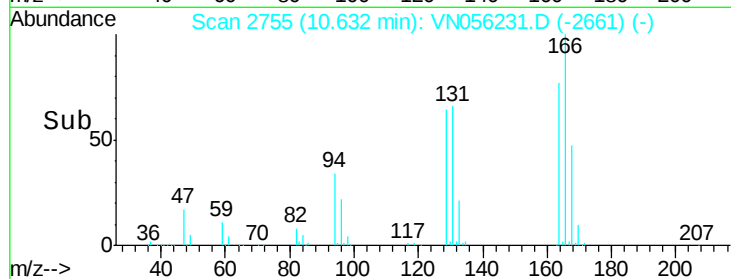
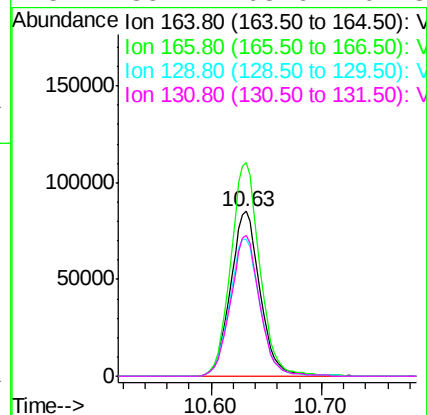
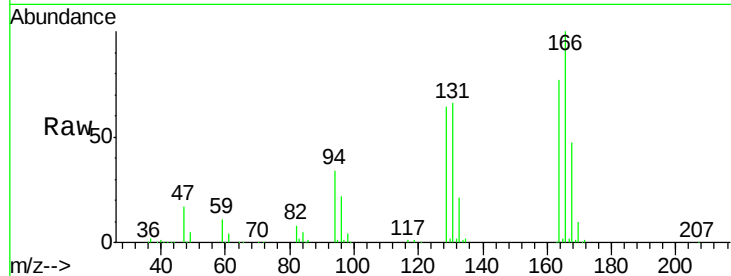
#64
Tetrachloroethene
Concen: 47.718 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.6	103.0	154.6
129	83.3	70.6	105.8
131	85.4	68.6	102.8

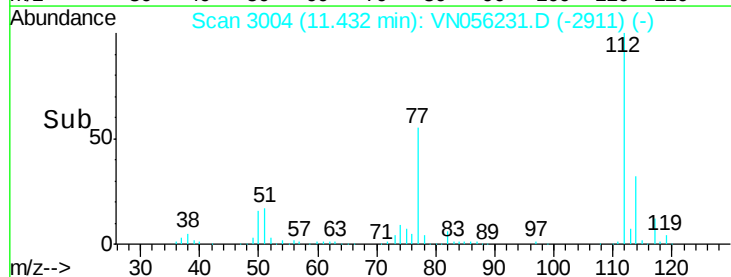
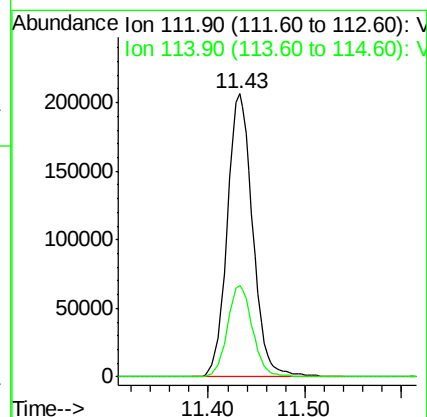
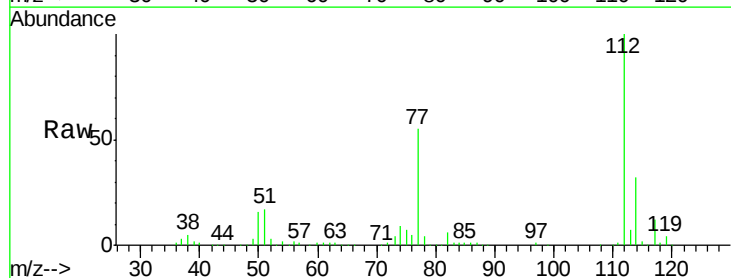
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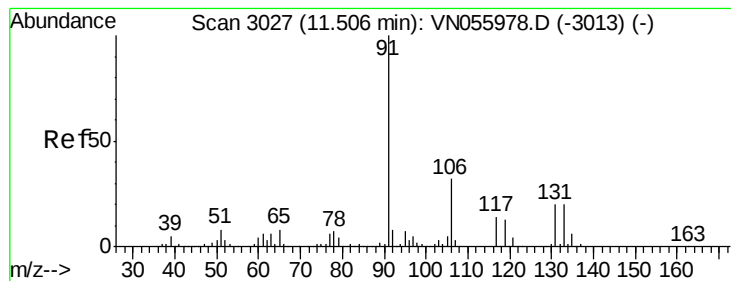
MMDadoda
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#65
Chlorobenzene
Concen: 49.428 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.2	39.4





#66

1,1,1,2-Tetrachloroethane

Concen: 53.328 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

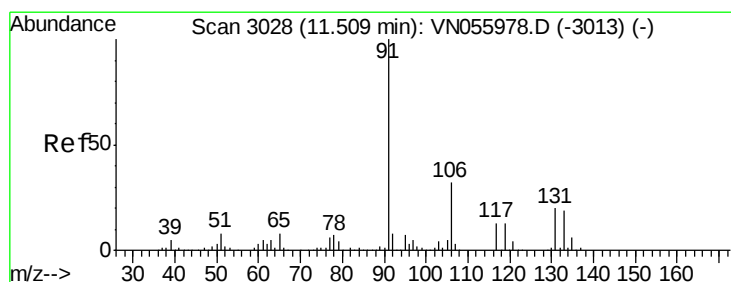
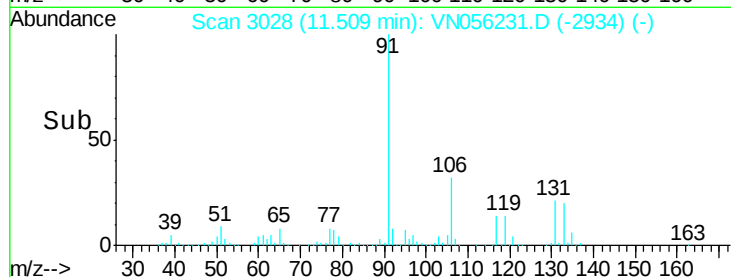
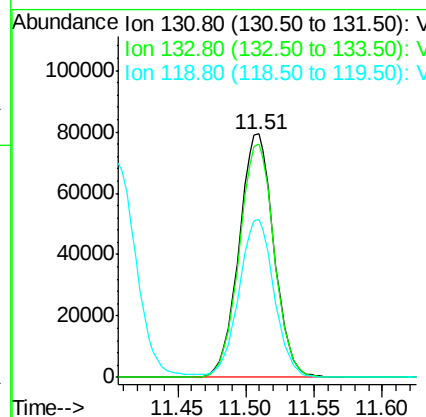
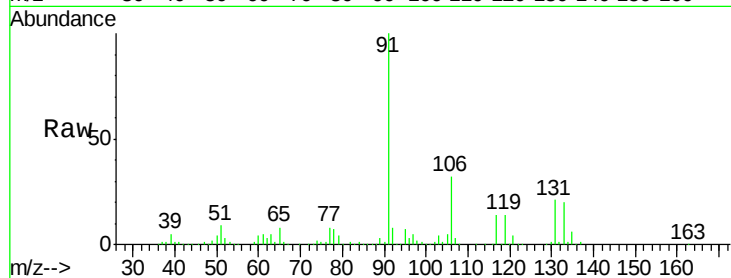
ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.0	144.0
119	65.6	33.1	99.5

Manual Integrations
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#67

Ethyl Benzene

Concen: 48.965 ug/l

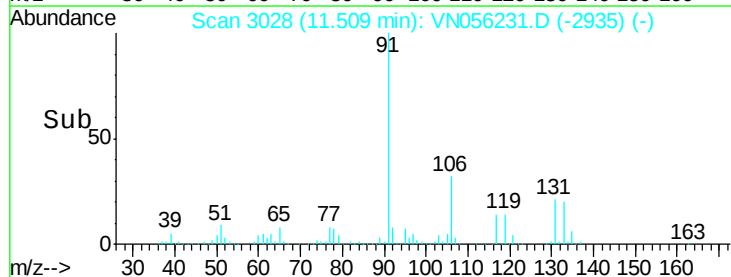
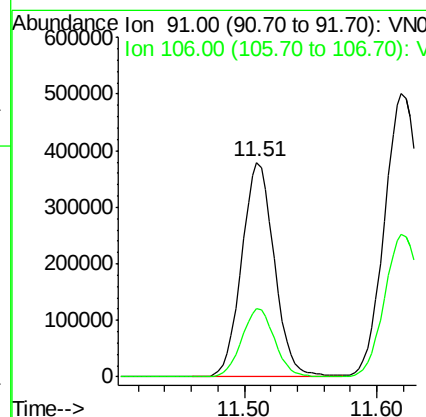
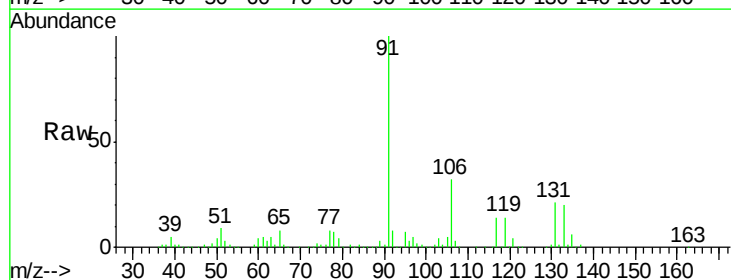
RT: 11.51 min Scan# 3028

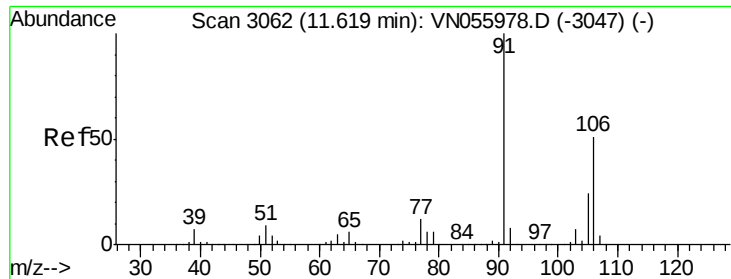
Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.1	37.7





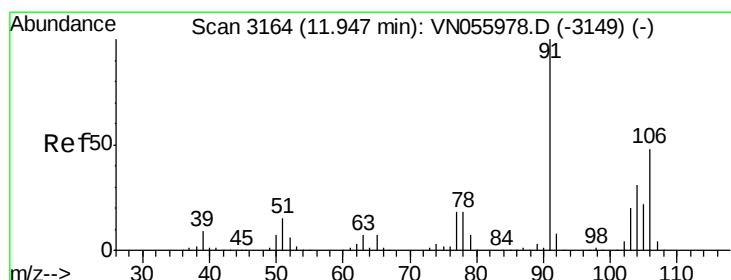
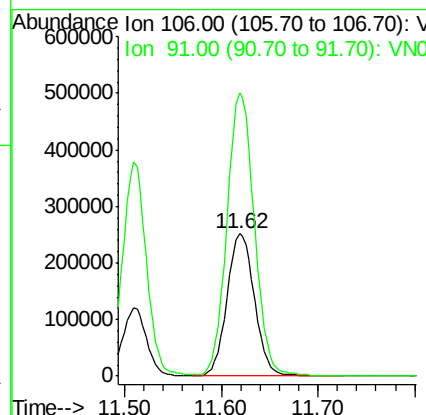
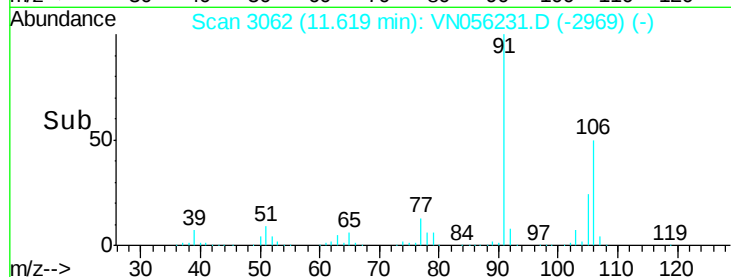
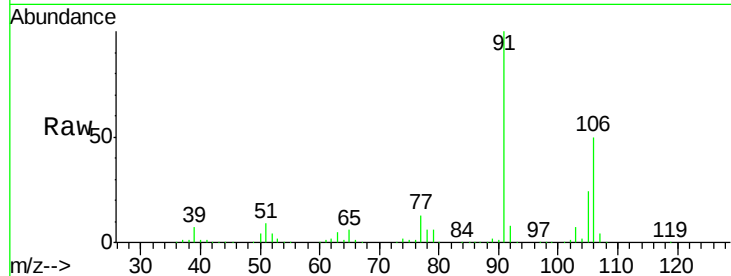
#68
m/p-Xvlenes
Concen: 98.355 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion:106 Resp: 498302
Ion Ratio Lower Upper
106 100
91 197.5 159.3 238.9

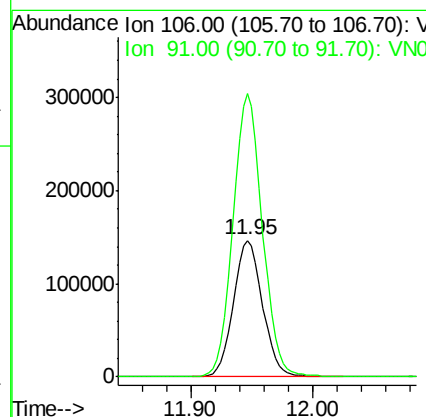
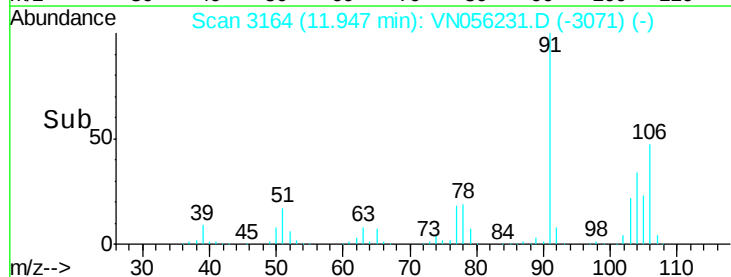
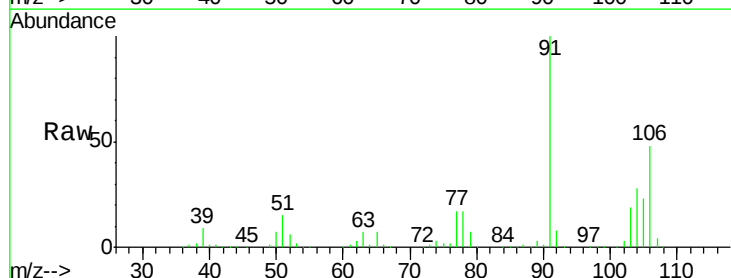
Manual Integrations
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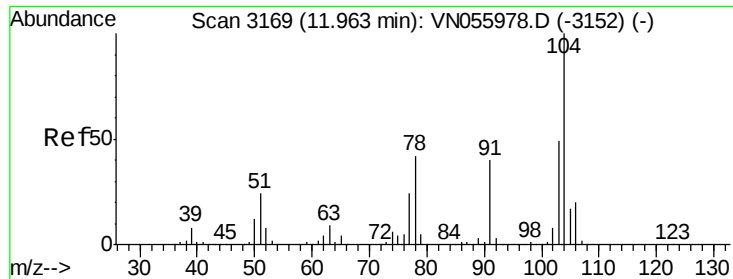
MMDadoda
6/12/2019 11:11:35 AM



#69
o-Xylene
Concen: 48.916 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion:106 Resp: 243775
Ion Ratio Lower Upper
106 100
91 209.3 104.7 314.1





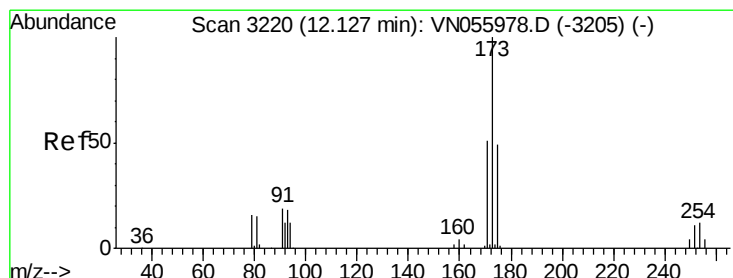
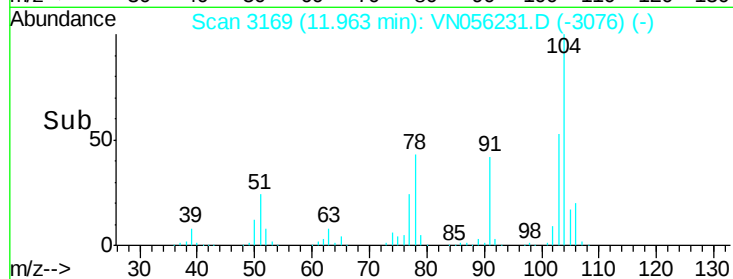
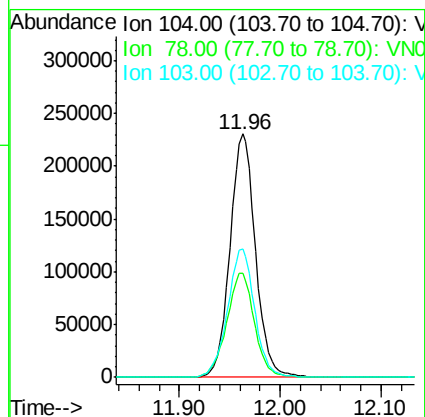
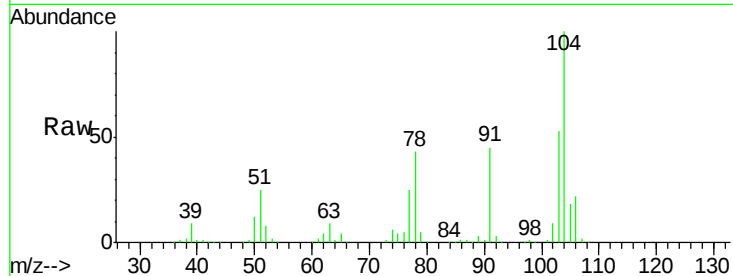
#70
Stvrene
Concen: 51.314 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.7	37.8	56.6
103	56.3	44.2	66.2

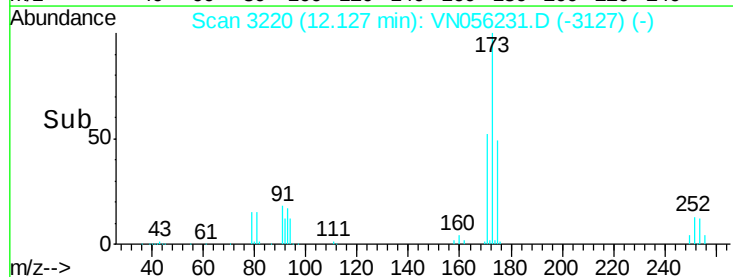
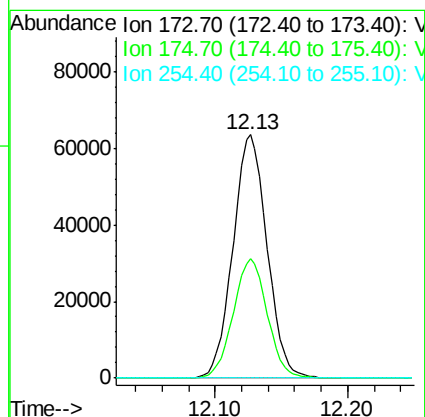
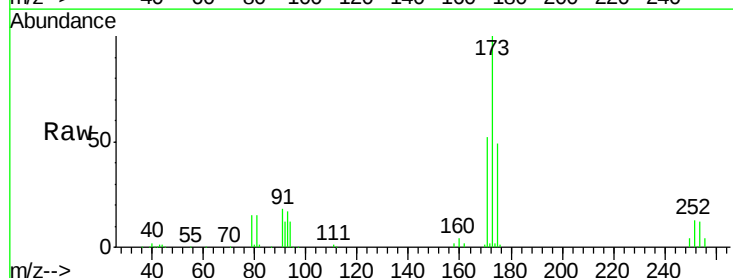
Manual Integrations
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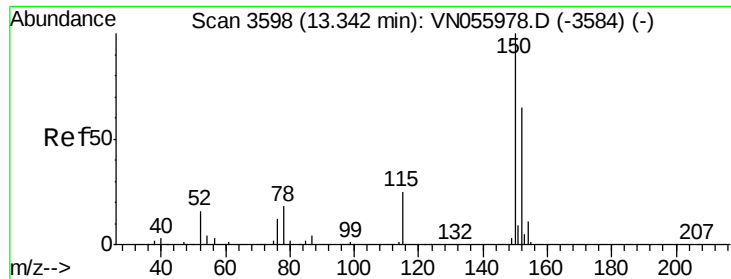
MMDadoda
6/12/2019 11:11:35 AM



#71
Bromoform
Concen: 51.137 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.8
254	0.0	0.0	0.0





#72

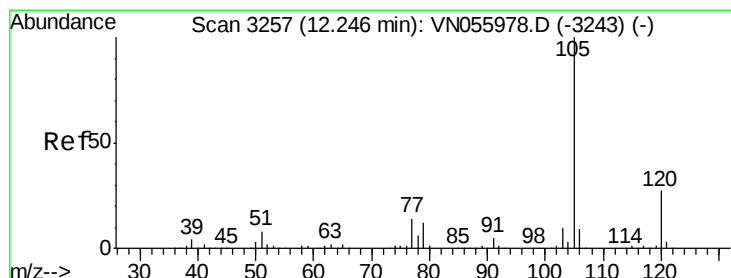
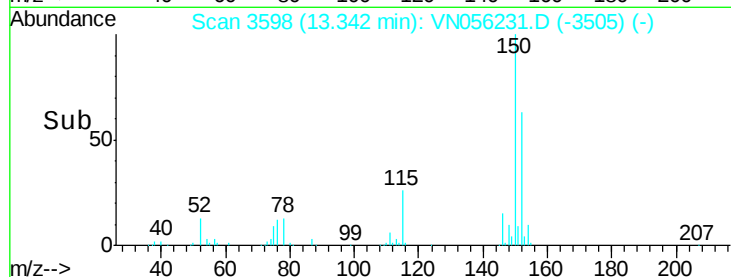
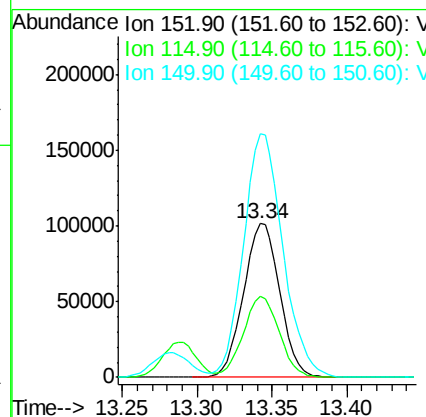
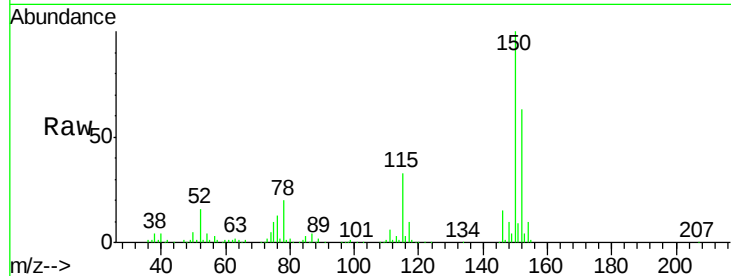
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion	Ratio	Lower	Upper
152	100		
115	52.3	27.0	81.0
150	172.4	0.0	343.2

Manual Integrations
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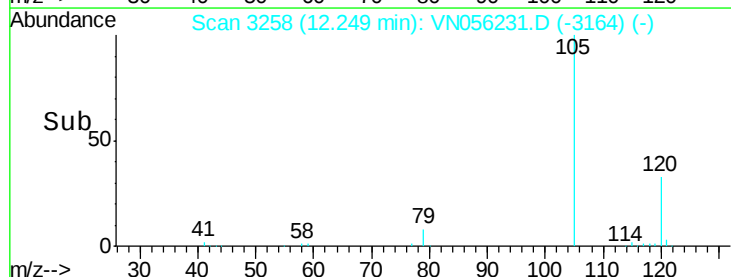
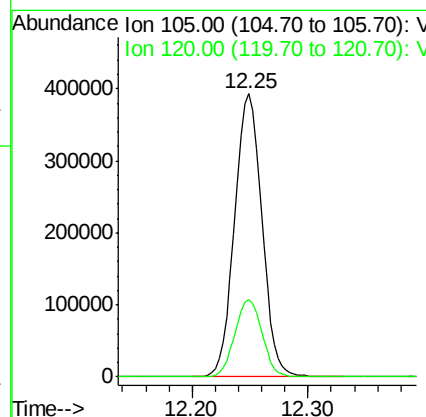
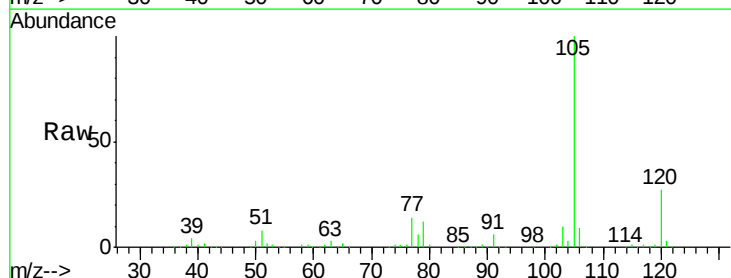
MMDadoda
6/12/2019 11:11:35 AM

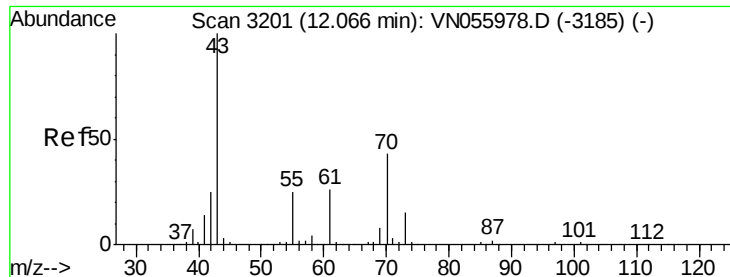


#73

Isopropylbenzene
Concen: 52.598 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.6	40.7





#74

N-amvl acetate

Concen: 42.040 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

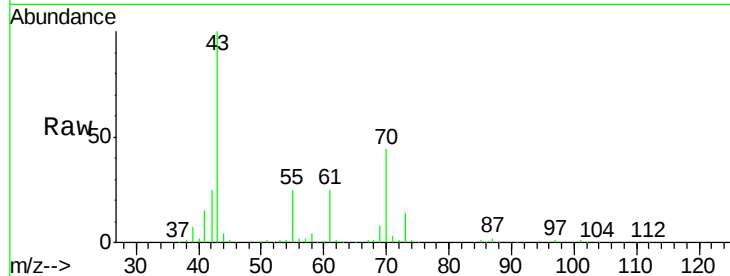
ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion:	43	Resp:	191917
Ion Ratio	Lower	Upper	
43	100		
70	44.3	34.0	51.0
55	25.6	18.6	28.0
61	25.6	20.0	30.0

Manual Integrations
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6/12/2019 11:11:35 AM

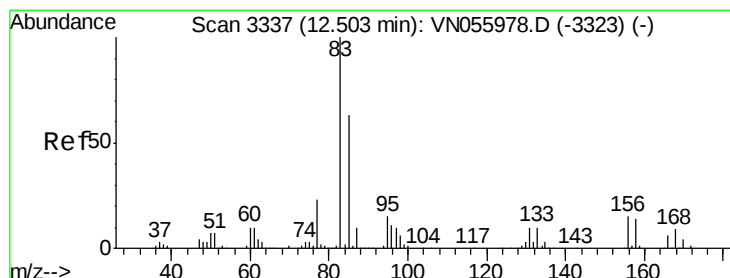
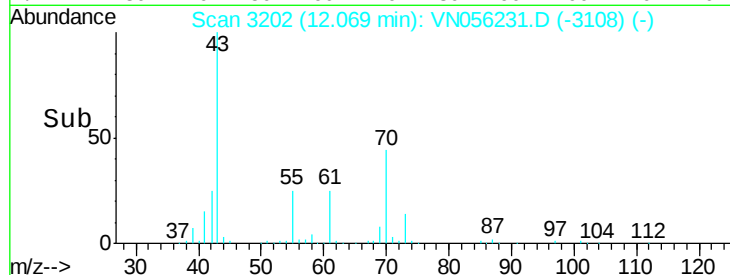
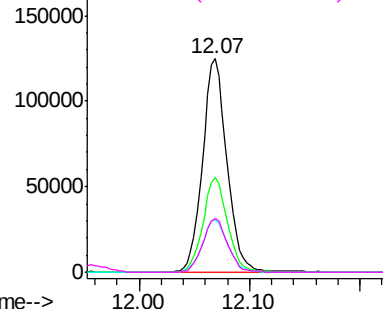


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 49.324 ug/l

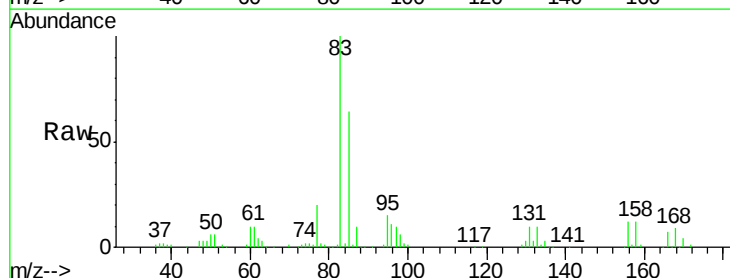
RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

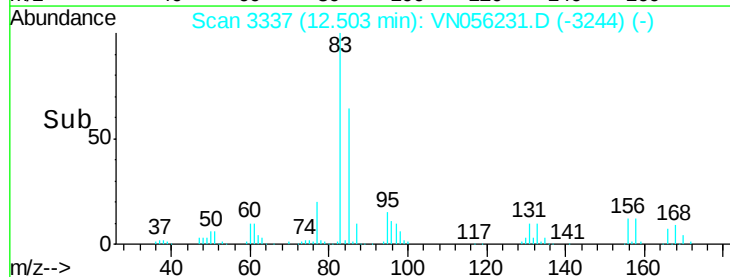
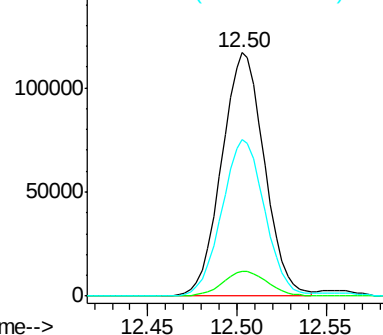
Tgt Ion:	83	Resp:	196094
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	64.2	32.4	97.0

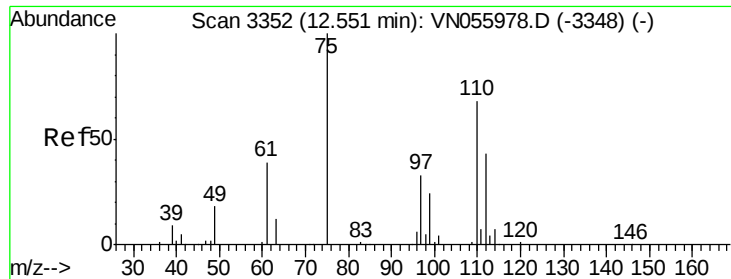


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





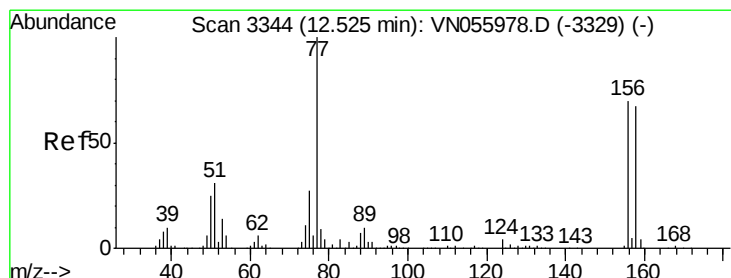
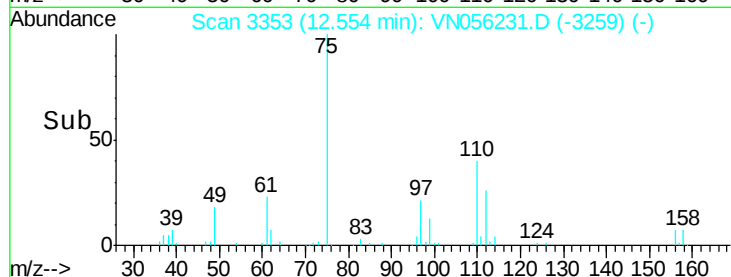
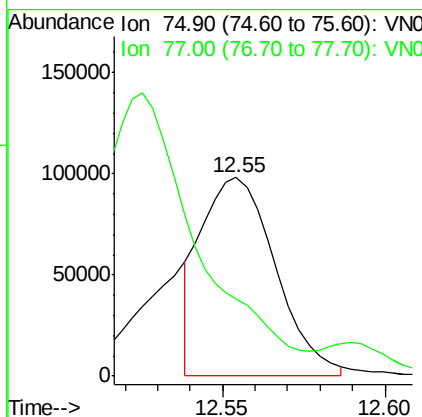
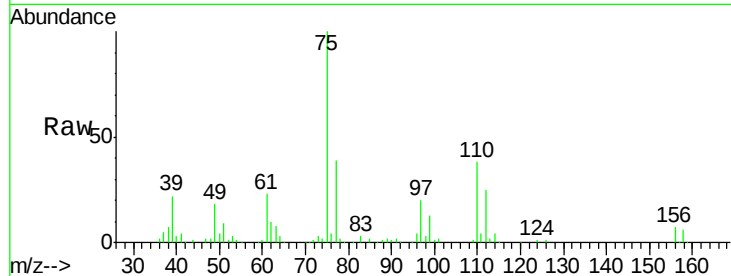
#76
 1,2,3-Trichloropropane
 Concen: 49.586 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

Tot Ion: 75 Resp: 156257
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

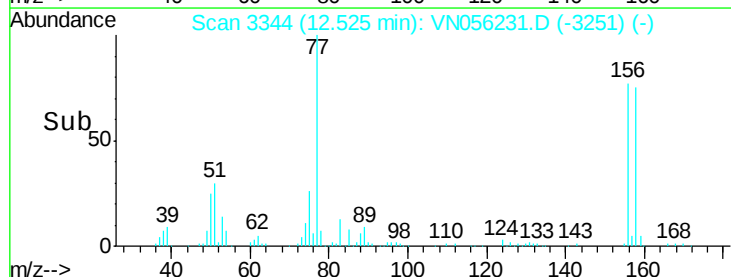
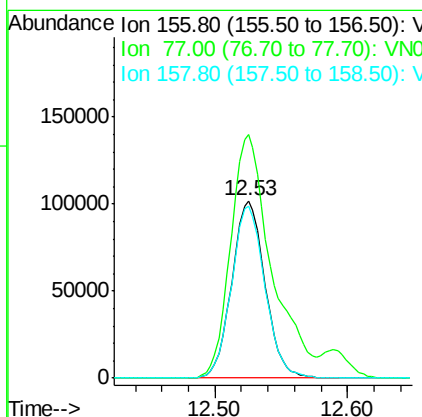
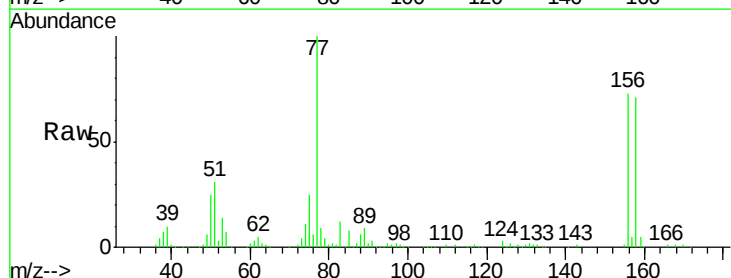
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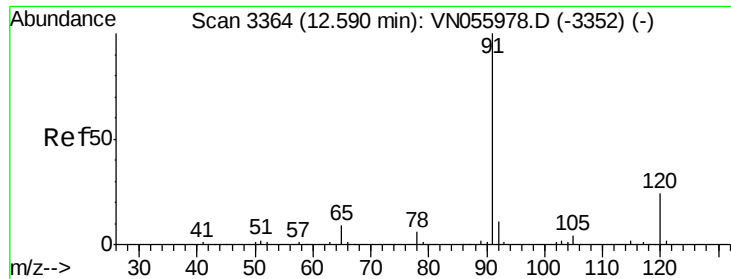
MMDadoda
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#77
 Bromobenzene
 Concen: 48.322 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Tgt Ion: 156 Resp: 177176
 Ion Ratio Lower Upper
 156 100
 77 169.6 90.8 272.5
 158 97.7 49.3 147.8





#78

n-propylbenzene

Concen: 46.841 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion: 91 Resp: 678646

Ion Ratio Lower Upper

91 100

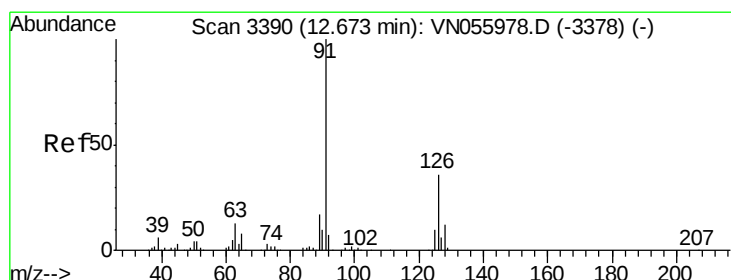
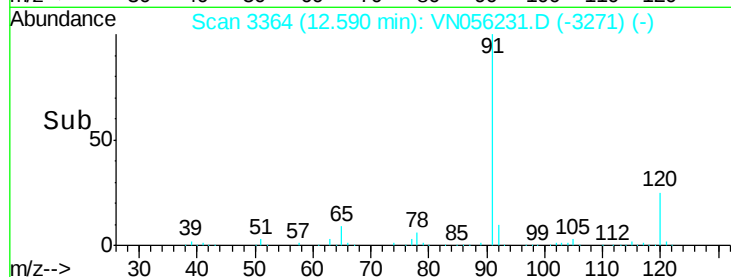
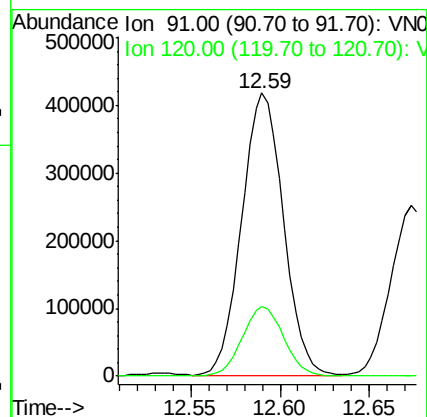
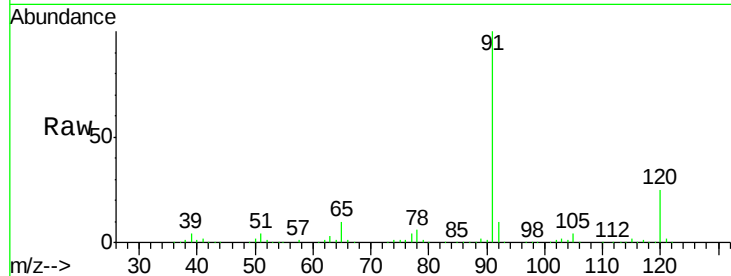
120 24.6 12.0 36.0

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#79

2-Chlorotoluene

Concen: 52.254 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056231.D

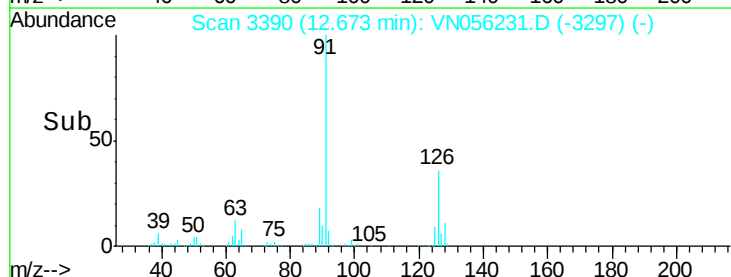
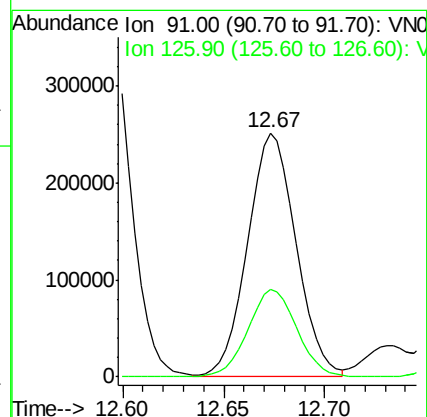
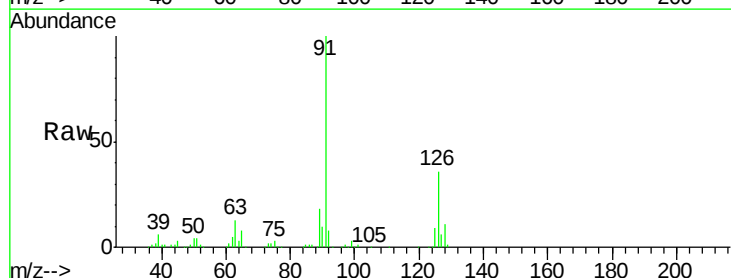
Acq: 11 Jun 2019 18:33

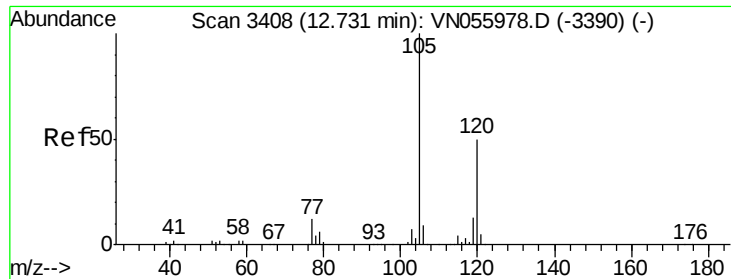
Tgt Ion: 91 Resp: 419079

Ion Ratio Lower Upper

91 100

126 36.6 18.1 54.4





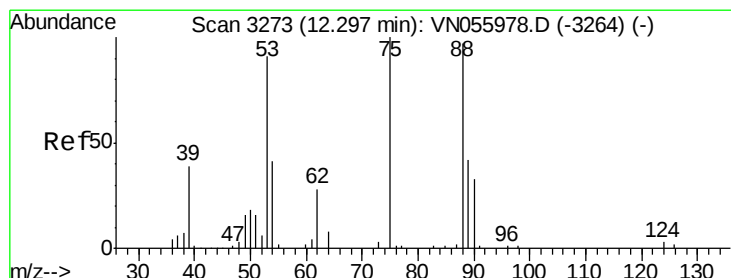
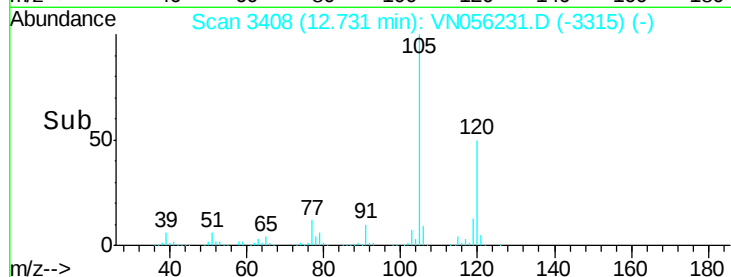
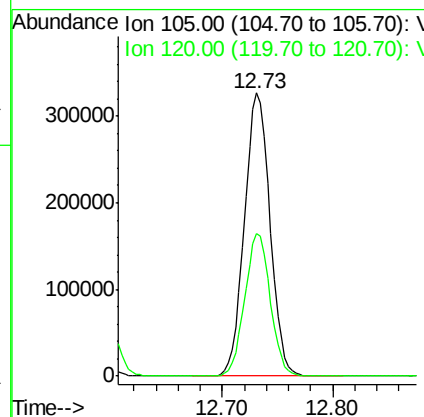
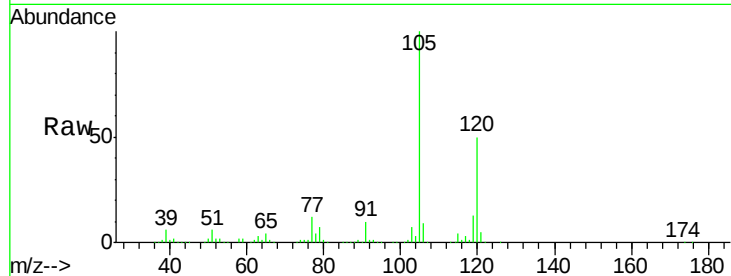
#80
 1,3,5-Trimethylbenzene
 Concen: 45.495 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

Tot Ion:105 Resp: 523856
 Ion Ratio Lower Upper
 105 100
 120 50.1 24.7 74.1

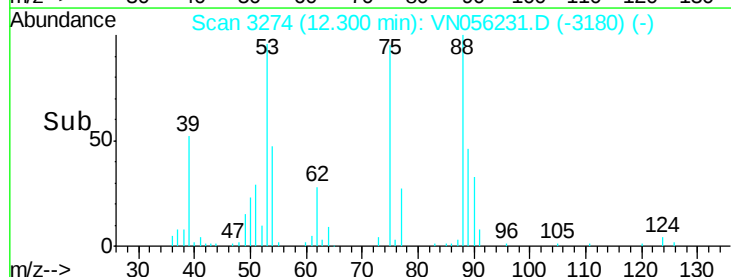
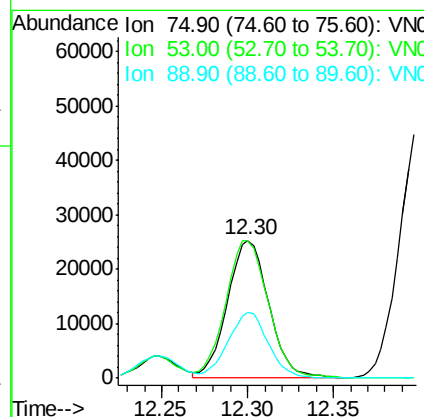
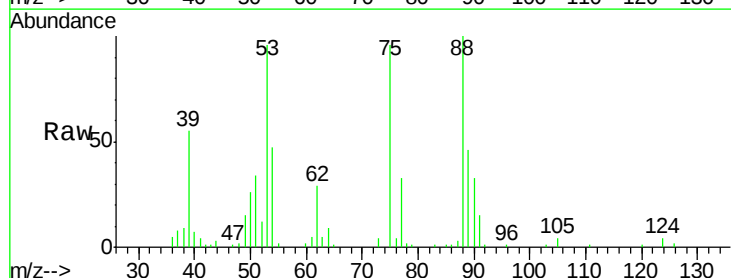
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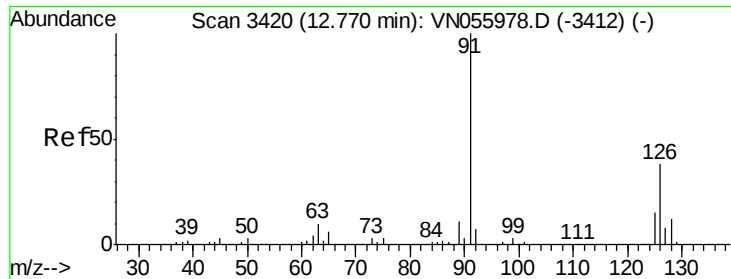
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.009 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Tgt Ion: 75 Resp: 42590
 Ion Ratio Lower Upper
 75 100
 53 102.6 68.1 102.1#
 89 46.3 36.9 55.3





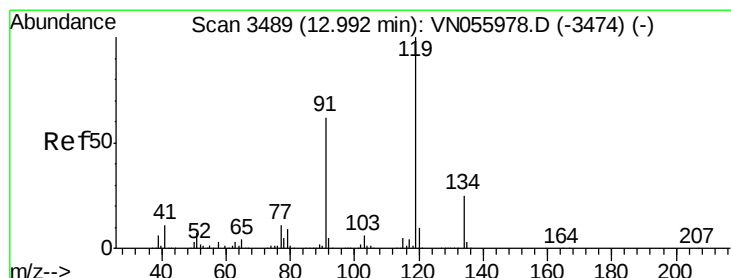
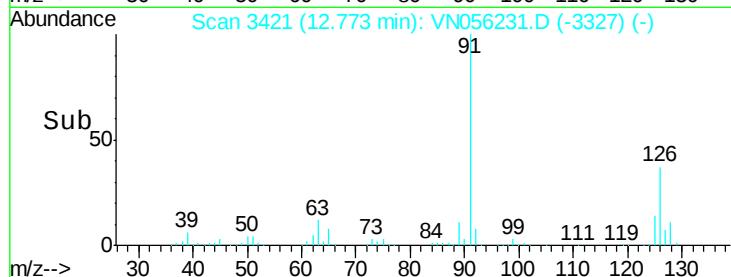
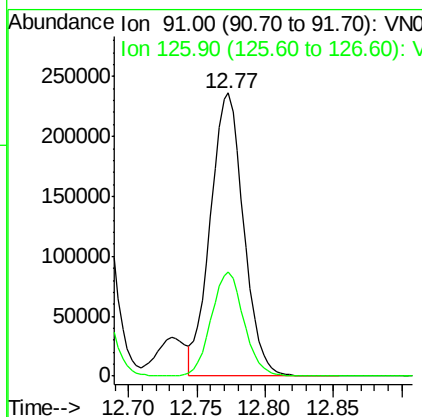
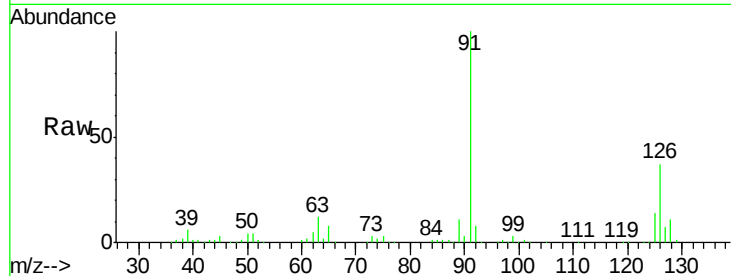
#82
4-Chlorotoluene
Concen: 46.978 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-AOC22-MW10-20190609MS

Tot Ion: 91 Resp: 398199
Ion Ratio Lower Upper
91 100
126 36.3 17.8 53.3

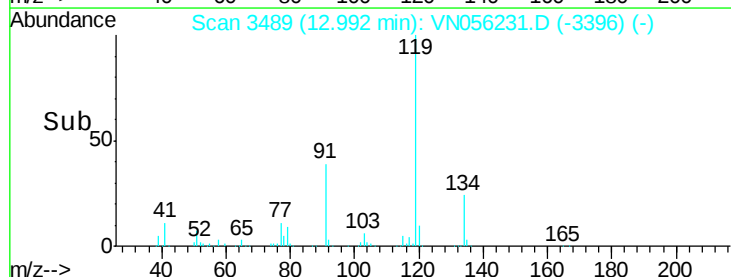
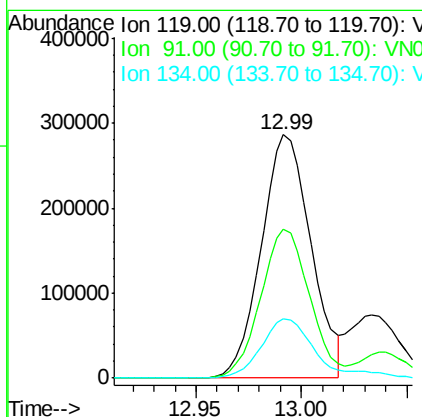
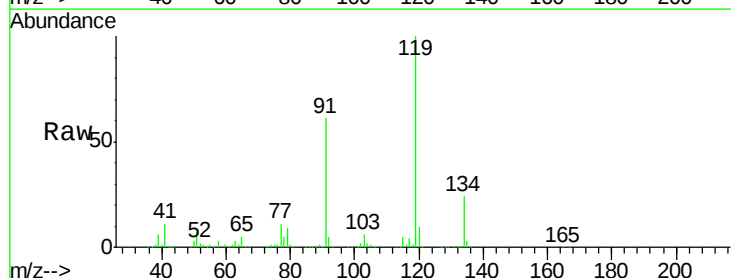
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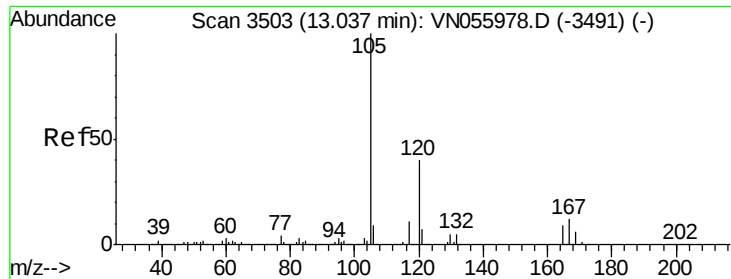
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#83
tert-Butylbenzene
Concen: 52.859 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056231.D
Acq: 11 Jun 2019 18:33

Tgt Ion: 119 Resp: 470856
Ion Ratio Lower Upper
119 100
91 60.1 30.9 92.8
134 26.7 13.3 39.8





#84

1,2,4-Trimethylbenzene

Concen: 47.419 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion:105 Resp: 517784

Ion Ratio Lower Upper

105 100

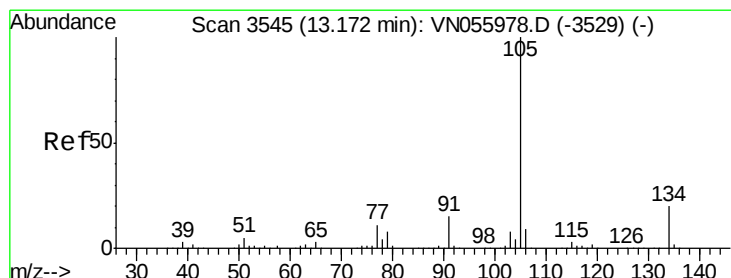
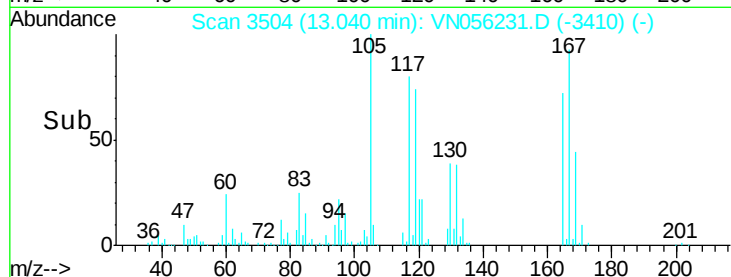
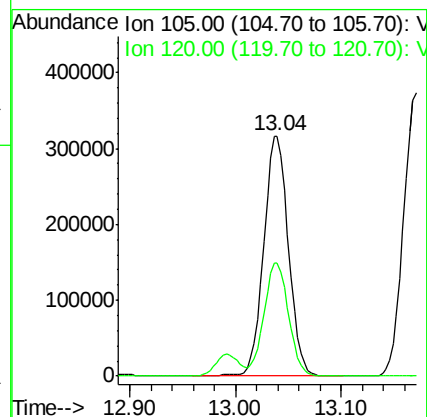
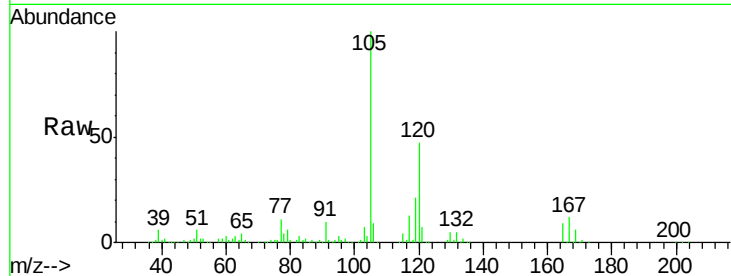
120 47.0 23.0 69.0

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#85

sec-Butylbenzene

Concen: 46.859 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056231.D

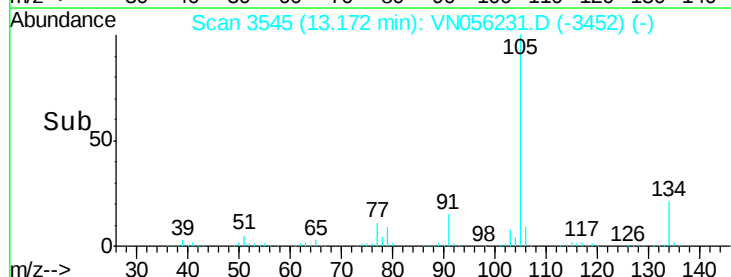
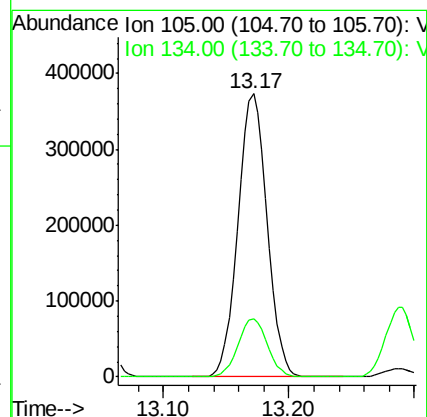
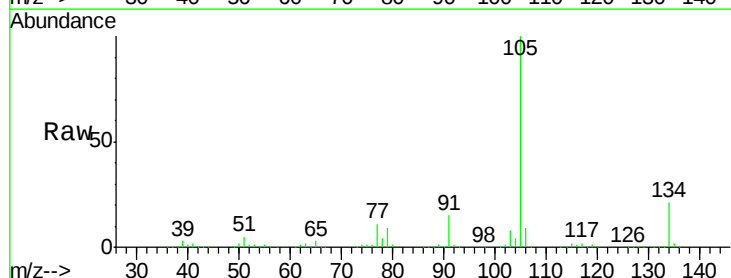
Acq: 11 Jun 2019 18:33

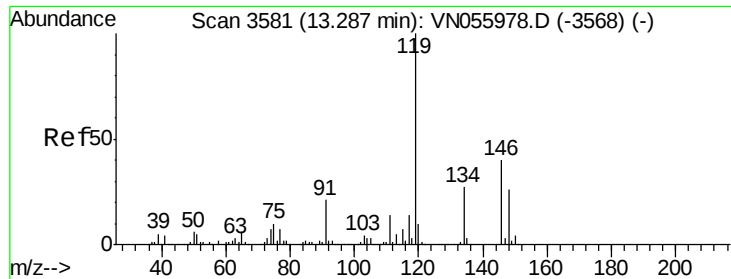
Tgt Ion:105 Resp: 601233

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.2





#86

p-Isopropyltoluene

Concen: 46.975 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

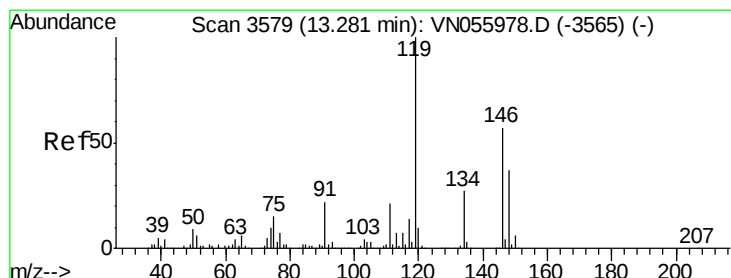
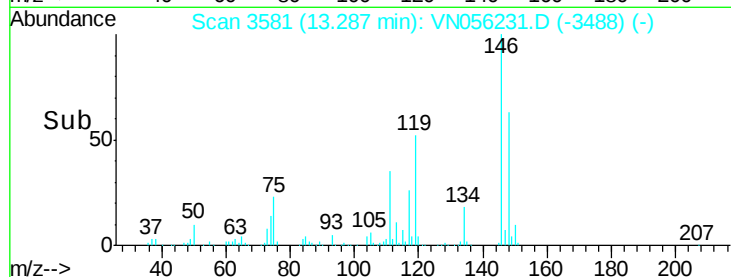
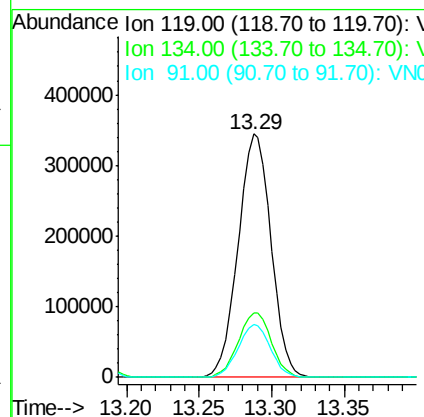
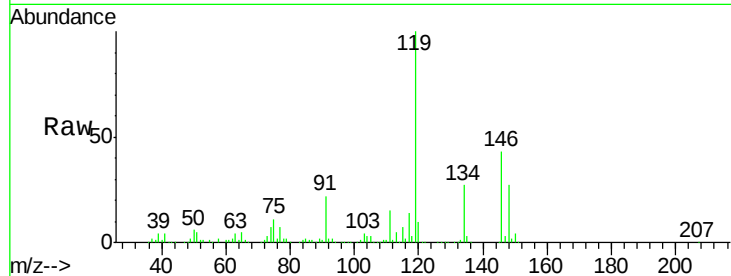
ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion:	119	Resp:	539417
Ion Ratio	Lower	Upper	
119	100		
134	26.7	13.4	40.1
91	21.2	10.9	32.9

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#87

1,3-Dichlorobenzene

Concen: 48.971 ug/l

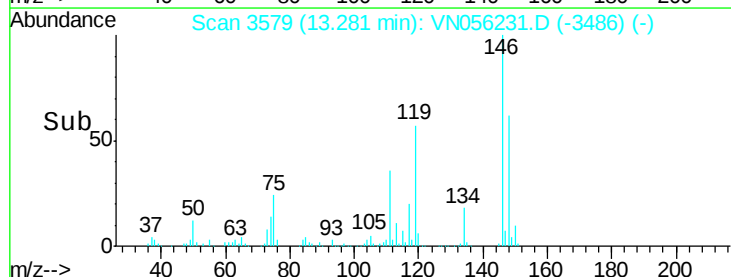
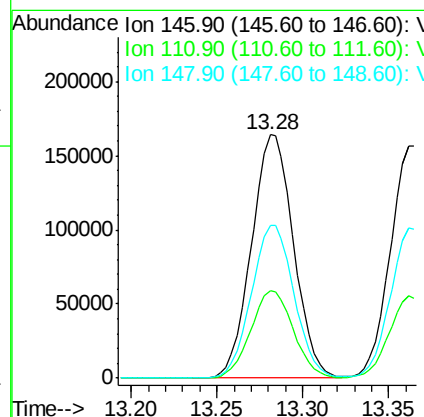
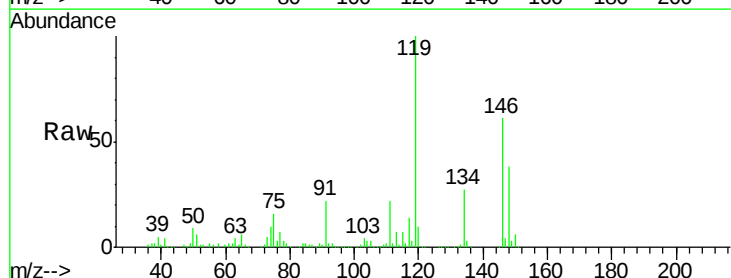
RT: 13.28 min Scan# 3579

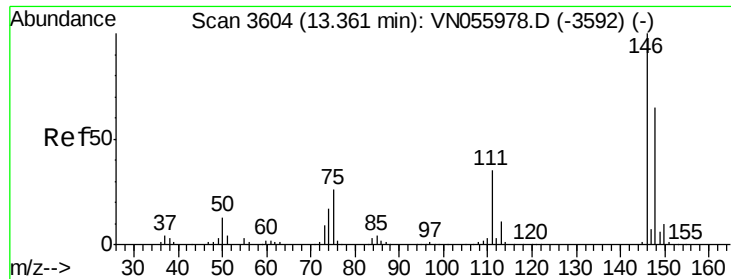
Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Tgt Ion:	146	Resp:	277898
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.5	55.5
148	63.5	32.0	96.2





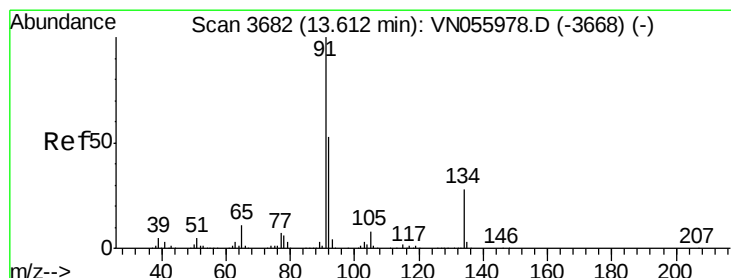
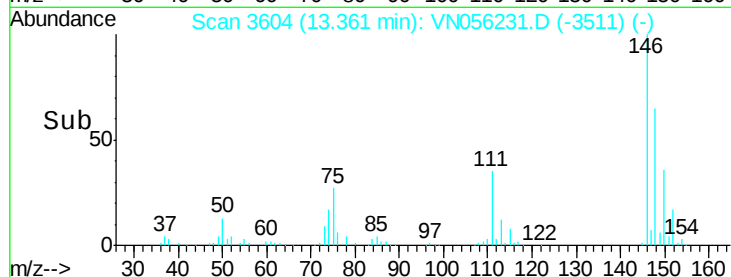
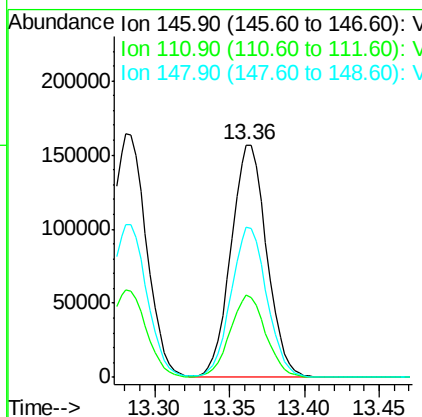
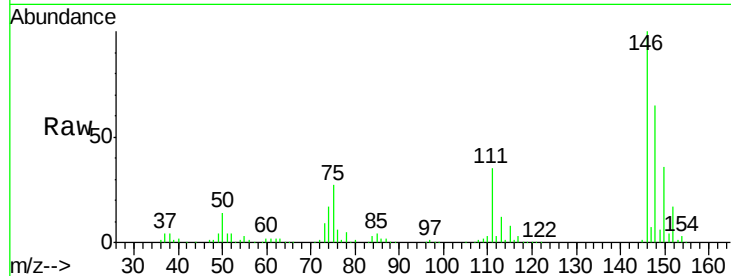
#88
 1,4-Dichlorobenzene
 Concen: 47.904 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.1	54.4
148	64.6	32.1	96.5

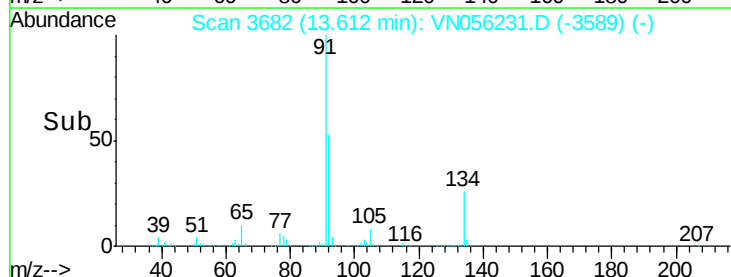
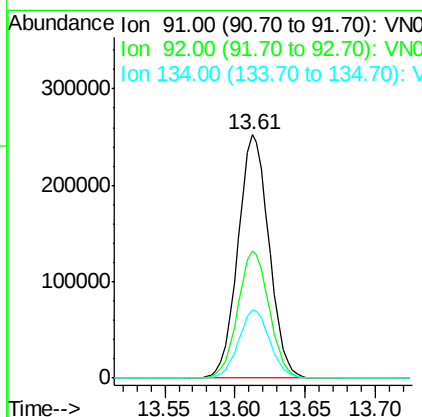
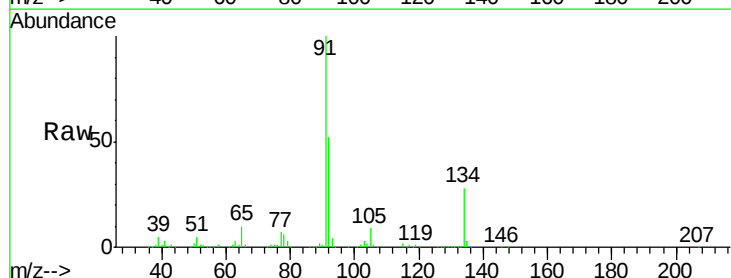
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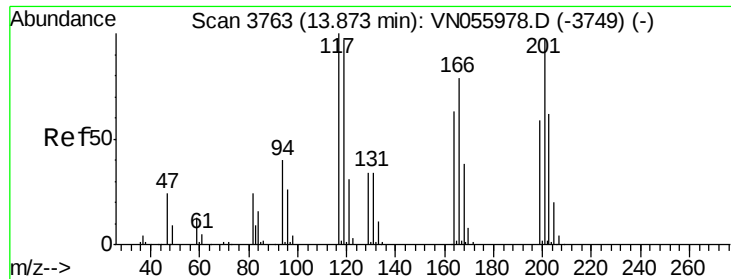
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#89
 n-Butylbenzene
 Concen: 45.716 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	28.2	13.9	41.7





#90

Hexachloroethane

Concen: 53.122 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion:117 Resp: 91994

Ion Ratio Lower Upper

117 100

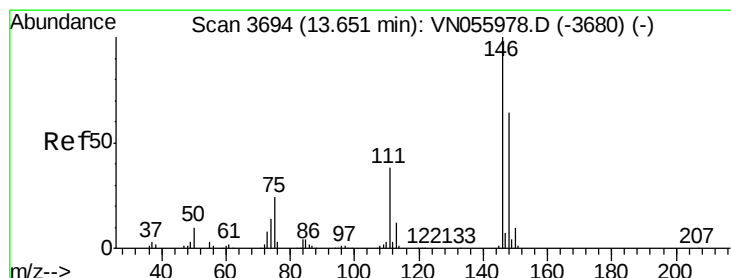
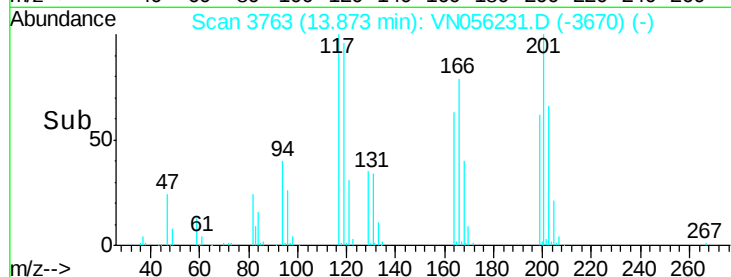
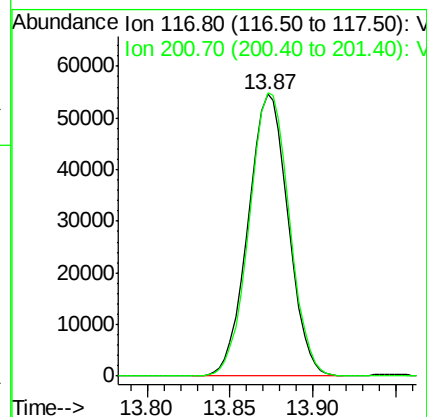
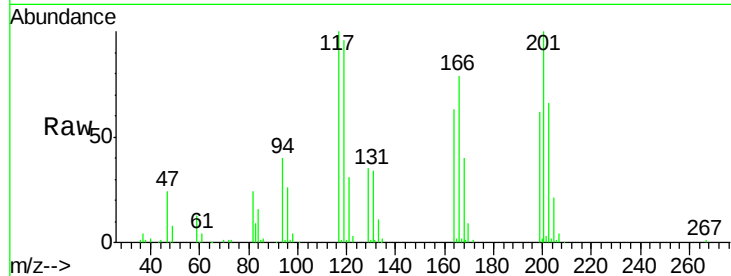
201 100.4 50.0 150.0

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#91

1,2-Dichlorobenzene

Concen: 48.402 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

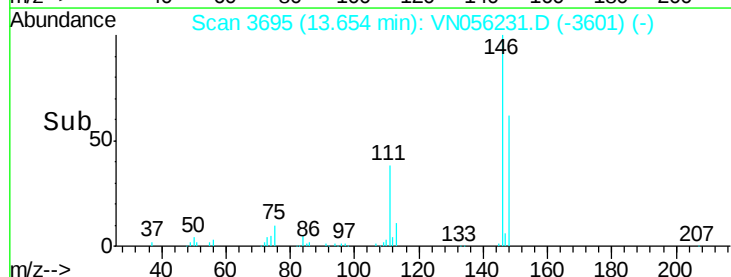
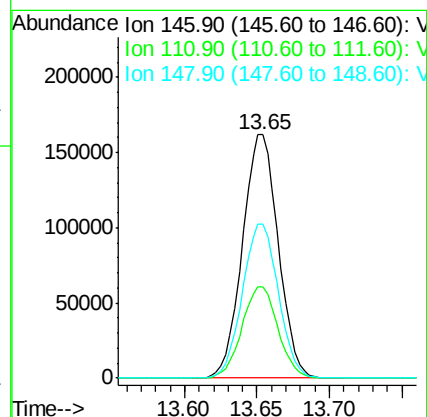
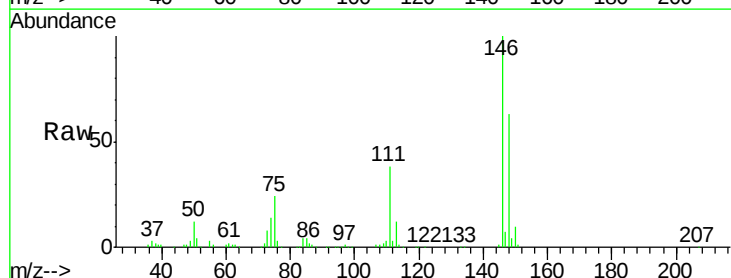
Tgt Ion:146 Resp: 277309

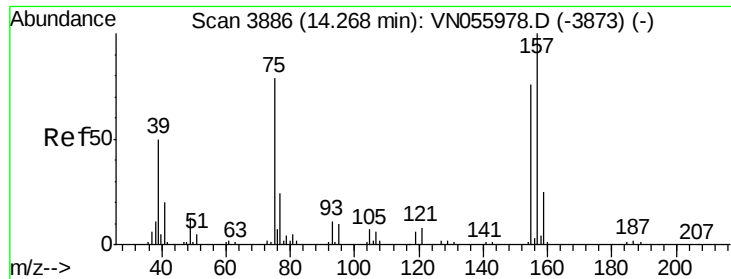
Ion Ratio Lower Upper

146 100

111 37.8 19.1 57.5

148 63.6 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 53.852 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

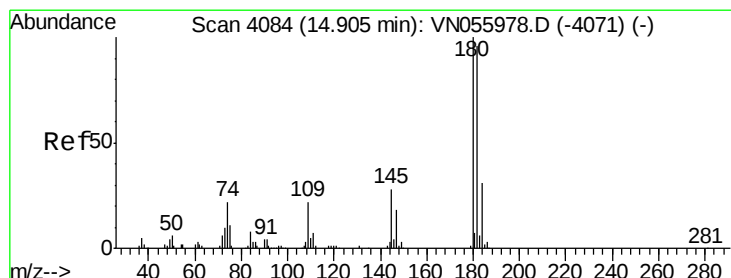
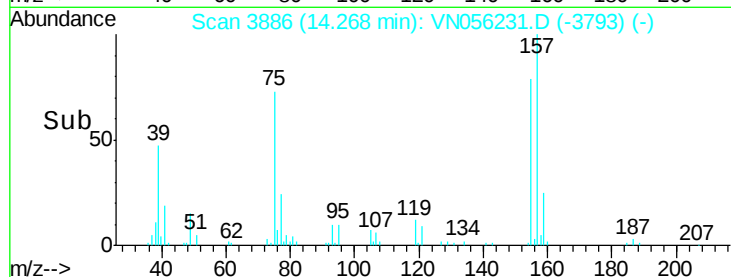
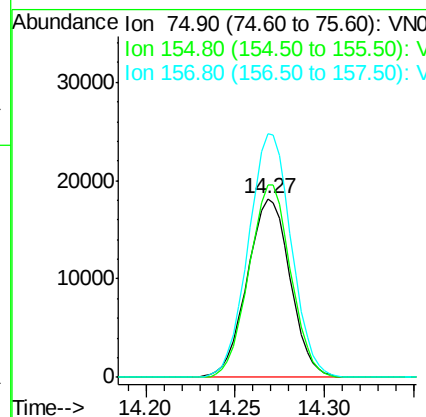
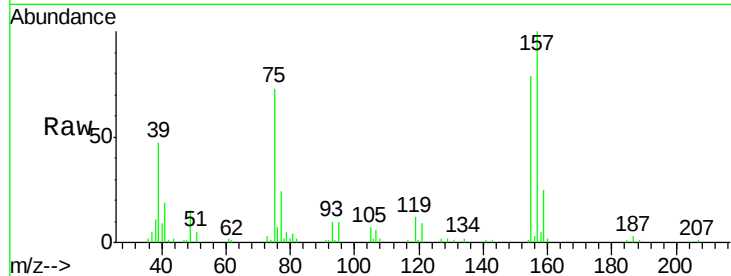
ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion:	75	Resp:	30622
Ion	Ratio	Lower	Upper
75	100		
155	104.7	50.0	150.1
157	135.8	64.8	194.3

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 40.743 ug/l

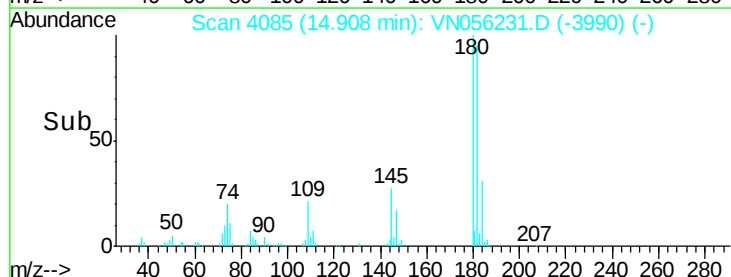
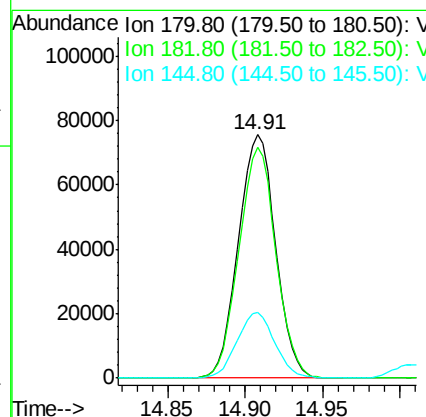
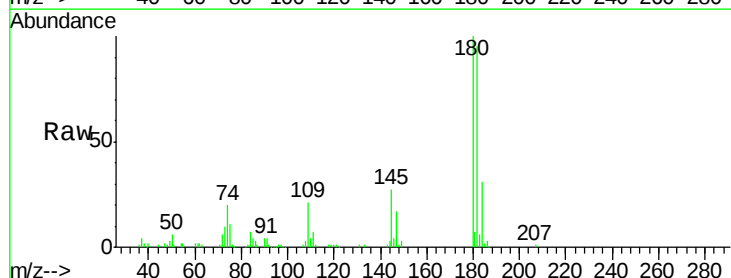
RT: 14.91 min Scan# 4085

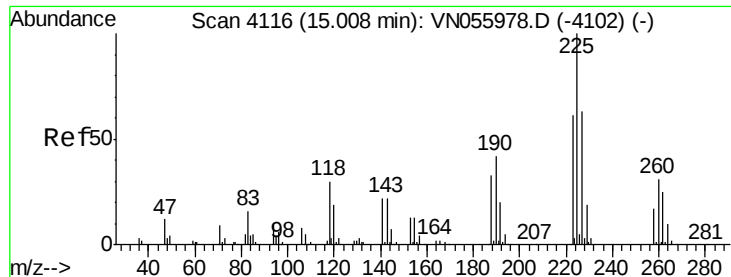
Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Tgt Ion:	180	Resp:	125907
Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.3	144.9
145	27.5	14.0	41.9





#94

Hexachlorobutadiene

Concen: 53.374 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Instrument :

MSVOA_N

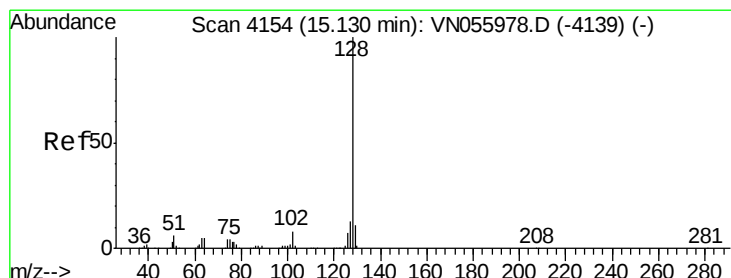
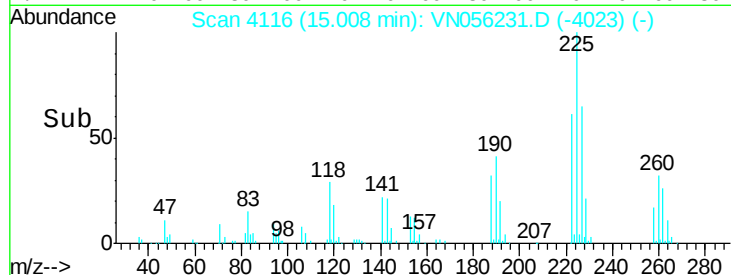
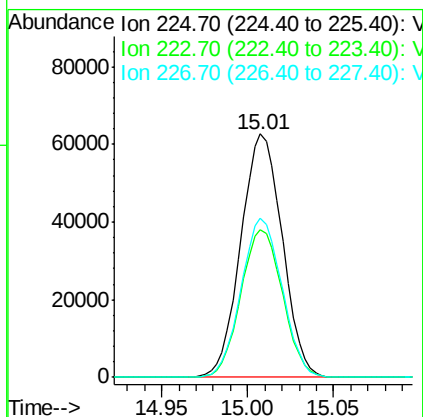
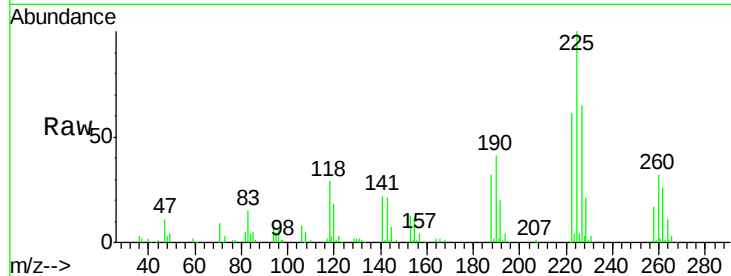
ClientSampleId :

BP-TT-AOC22-MW10-20190609MS

Tot Ion:	225	Resp:	104606
Ion Ratio		Lower	Upper
225	100		
223	61.0	30.9	92.7
227	64.4	31.6	94.7

Manual Integrations
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#95

Naphthalene

Concen: 40.135 ug/l

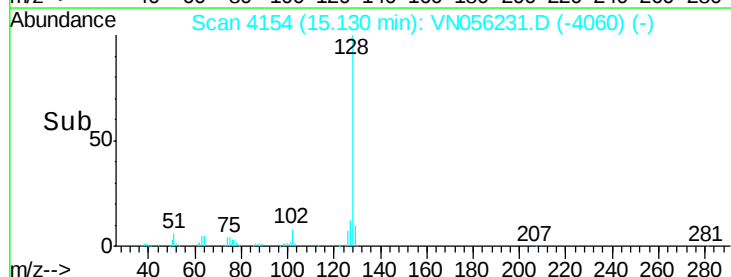
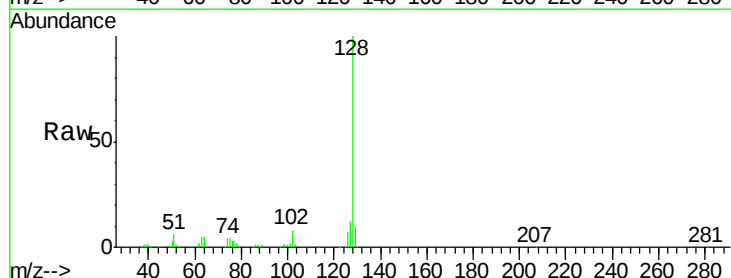
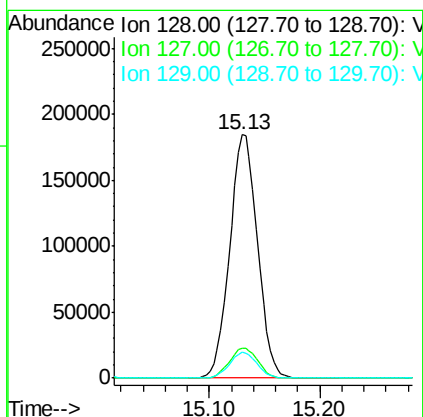
RT: 15.13 min Scan# 4154

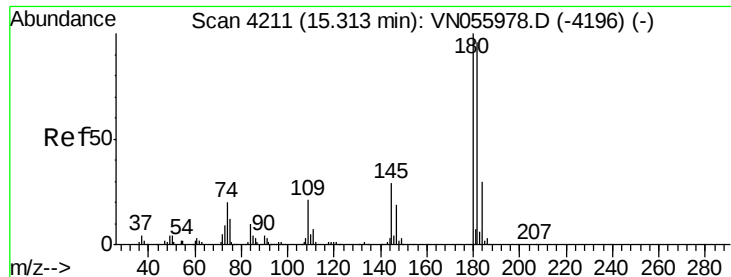
Delta R.T. 0.00 min

Lab File: VN056231.D

Acq: 11 Jun 2019 18:33

Tgt Ion:	128	Resp:	322012
Ion Ratio		Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.5	8.7	13.1





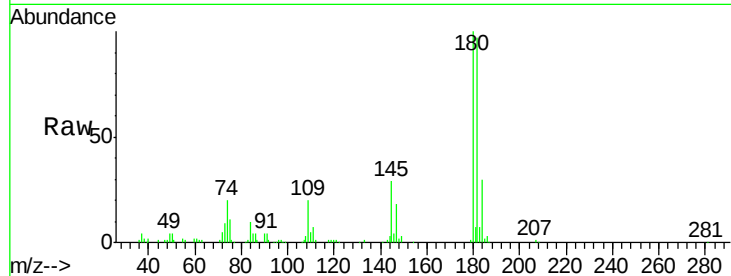
#96
 1,2,3-Trichlorobenzene
 Concen: 43.947 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056231.D
 Acq: 11 Jun 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-AOC22-MW10-20190609MS

Tot Ion:	180	Resp:	140147
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.9	143.7
145	28.5	14.9	44.7

Manual Integrations
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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

