

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057616.D
 Acq On : 31 Aug 2019 15:17
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN090119

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:52:10 AM

Quant Time: Aug 31 23:53:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	205523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	340133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	309604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	140794	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	227118	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
35) Dibromofluoromethane	7.58	113	146987	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
50) Toluene-d8	10.08	98	567361	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.40	95	210032	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	179188	54.522	ug/l	95
3) Chloromethane	2.05	50	194901	51.442	ug/l	97
4) Vinyl Chloride	2.18	62	152798	51.489	ug/l	100
5) Bromomethane	2.51	94	104077	55.428	ug/l	98
6) Chloroethane	2.67	64	80407	48.508	ug/l	99
7) Trichlorofluoromethane	3.00	101	211684	50.817	ug/l	99
8) Diethyl Ether	3.40	74	68643	49.799	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	103120	48.829	ug/l	98
10) Methyl Iodide	3.92	142	135501	49.695	ug/l	98
11) Tert butyl alcohol	4.81	59	128689	264.276	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	97367	50.862	ug/l	94
13) Acrolein	3.59	56	45229	233.603	ug/l	94
14) Allyl chloride	4.29	41	304044	50.909	ug/l	100
15) Acrylonitrile	4.97	53	382565	261.820	ug/l	99
16) Acetone	3.81	43	309969	238.228	ug/l	95
17) Carbon Disulfide	4.02	76	345937	55.896	ug/l	99
18) Methyl Acetate	4.31	43	213736	47.841	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	510707	51.565	ug/l	100
20) Methylene Chloride	4.52	84	160931	49.960	ug/l	94
21) trans-1,2-Dichloroethene	5.00	96	146065	51.322	ug/l	99
22) Diisopropyl ether	5.94	45	617336	50.284	ug/l	99
23) Vinyl Acetate	5.88	43	2532580	268.413	ug/l	99
24) 1,1-Dichloroethane	5.82	63	315312	51.164	ug/l	99
25) 2-Butanone	6.83	43	554226	255.627	ug/l	98
26) 2,2-Dichloropropane	6.81	77	255113	51.789	ug/l #	75
27) cis-1,2-Dichloroethene	6.81	96	172423	50.733	ug/l	98
28) Bromochloromethane	7.18	49	163706	49.882	ug/l	99
29) Tetrahydrofuran	7.20	42	350906	257.977	ug/l	99
30) Chloroform	7.36	83	315520	50.466	ug/l	98
31) Cyclohexane	7.63	56	296812	48.256	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	268139	52.284	ug/l	99
36) 1,1-Dichloropropene	7.78	75	232638	51.589	ug/l	99
37) Ethyl Acetate	6.92	43	230781	53.726	ug/l	98
38) Carbon Tetrachloride	7.76	117	213810	52.968	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	272188	51.088	ug/l	99
40) Benzene	8.03	78	670367	51.069	ug/l	98
41) Methacrylonitrile	7.16	41	113489	47.264	ug/l	98
42) 1,2-Dichloroethane	8.11	62	279124	52.352	ug/l	100
43) Isopropyl Acetate	8.16	43	407909	52.781	ug/l	99
44) Trichloroethene	8.82	130	153626	51.590	ug/l	99
45) 1,2-Dichloropropane	9.11	63	184163	50.367	ug/l	99
46) Dibromomethane	9.20	93	115789	51.146	ug/l	99
47) Bromodichloromethane	9.40	83	243680	52.980	ug/l	97
48) Methyl methacrylate	9.19	41	207454	52.577	ug/l	100
49) 1,4-Dioxane	9.20	88	49426	1069.743	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	1201057	271.154	ug/l	99
52) Toluene	10.15	92	398787	51.401	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	250308	48.796	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	276136	48.964	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	153056	51.997	ug/l	97
56) Ethyl methacrylate	10.43	69	260007	52.931	ug/l	99
57) 1,3-Dichloropropane	10.71	76	273154	50.579	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	360884	251.112	ug/l	99
59) 2-Hexanone	10.75	43	857539	263.634	ug/l	98
60) Dibromochloromethane	10.90	129	155378	48.282	ug/l	100
61) 1,2-Dibromoethane	11.00	107	156266	52.723	ug/l	98
64) Tetrachloroethene	10.63	164	140060	52.245	ug/l	99
65) Chlorobenzene	11.43	112	405578	52.279	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	143010	52.855	ug/l	98
67) Ethyl Benzene	11.51	91	802394	53.231	ug/l	98
68) m/p-Xylenes	11.62	106	558362	105.144	ug/l	97
69) o-Xylene	11.95	106	270128	52.488	ug/l	98
70) Styrene	11.96	104	460014	49.682	ug/l	99
71) Bromoform	12.13	173	93033	46.728	ug/l #	99
73) Isopropylbenzene	12.25	105	764426	53.776	ug/l	98
74) N-amyl acetate	12.07	43	364405	54.319	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	208372	49.736	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	191098m	51.599	ug/l	
77) Bromobenzene	12.53	156	163722	54.114	ug/l	100
78) n-propylbenzene	12.59	91	878857	55.548	ug/l	98
79) 2-Chlorotoluene	12.68	91	529727	53.694	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	637447	54.509	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	60535	56.029	ug/l	93
82) 4-Chlorotoluene	12.77	91	523763	53.634	ug/l	100
83) tert-Butylbenzene	12.99	119	531351	53.549	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	615226	54.377	ug/l	99
85) sec-Butylbenzene	13.17	105	720322	53.969	ug/l	99
86) p-Isopropyltoluene	13.29	119	597177	54.102	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	269451	54.667	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	260987	54.816	ug/l	100
89) n-Butylbenzene	13.62	91	545854	52.770	ug/l	100
90) Hexachloroethane	13.88	117	101595	53.016	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	262155	55.737	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36549	56.656	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	122327	58.275	ug/l	99
94) Hexachlorobutadiene	15.01	225	89694	55.571	ug/l	99
95) Naphthalene	15.13	128	335586	54.857	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	118778	56.890	ug/l	97

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

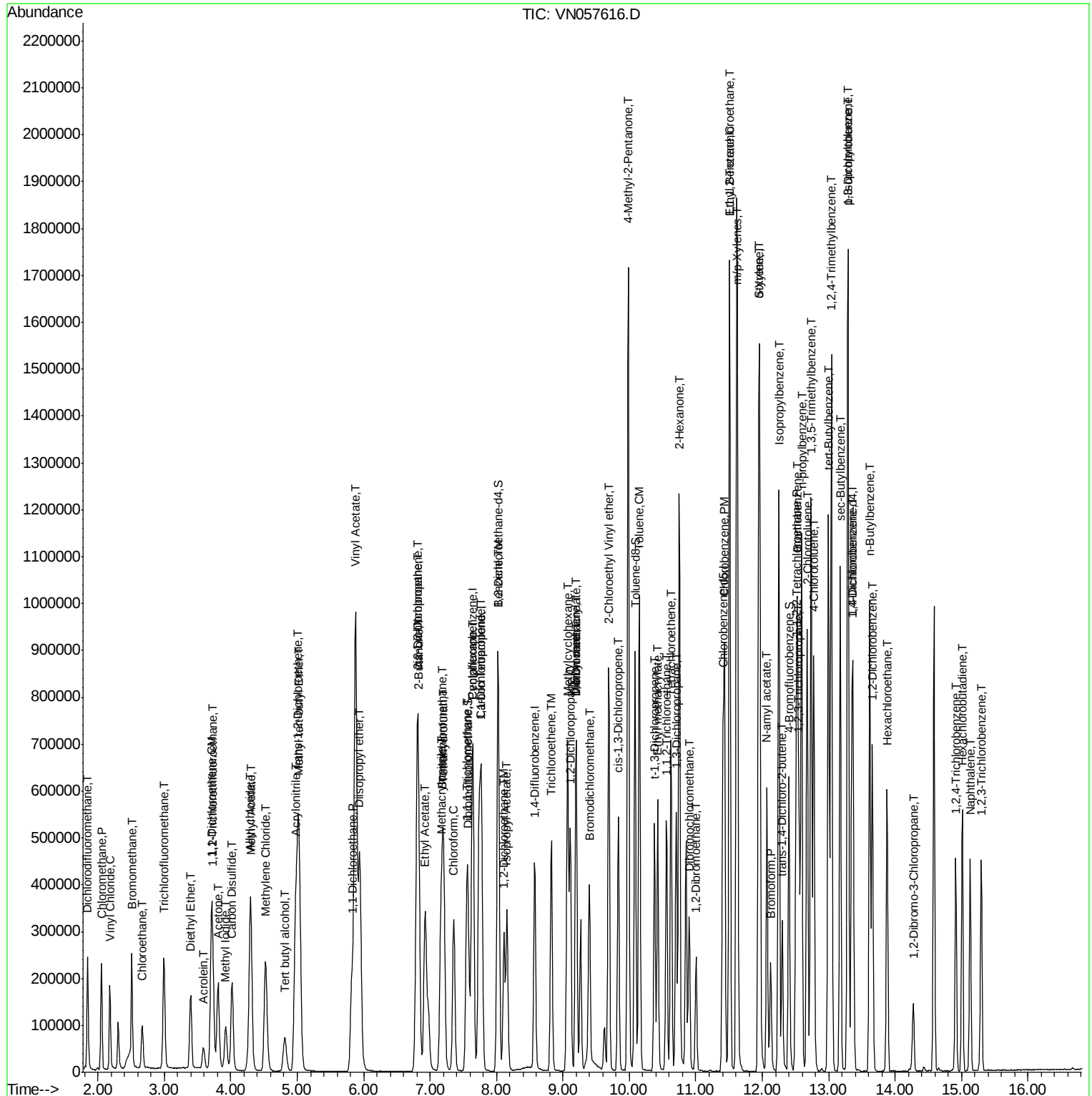
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Data File : VN057616.D
Acq On : 31 Aug 2019 15:17
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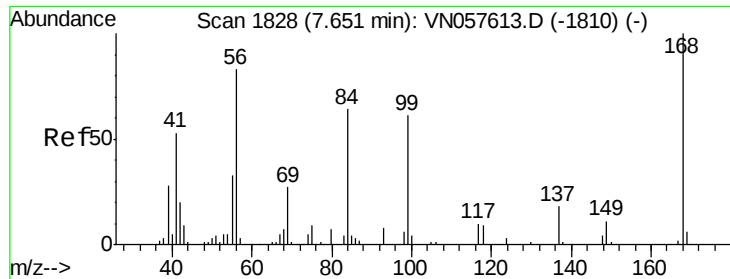
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090119

Tot Ion:168 Resp: 205523

Ion Ratio Lower Upper

168 100

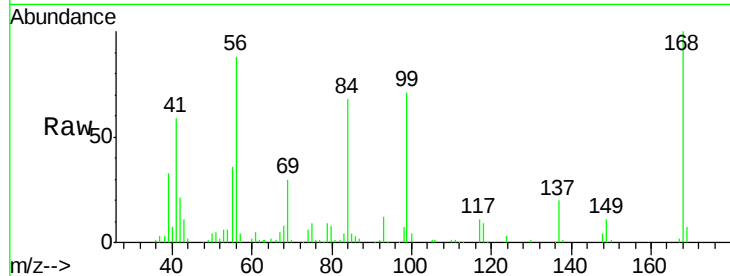
99 71.3 54.2 81.2

Manual Integrations

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9/3/2019 11:52:10 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

80000

60000

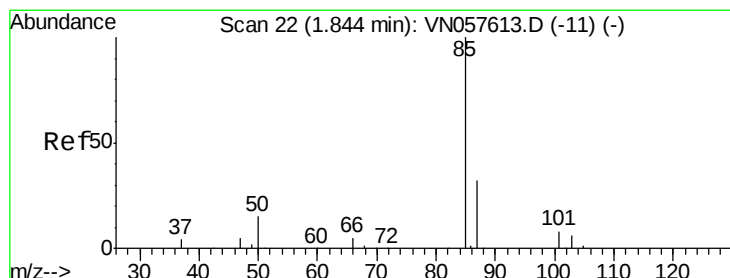
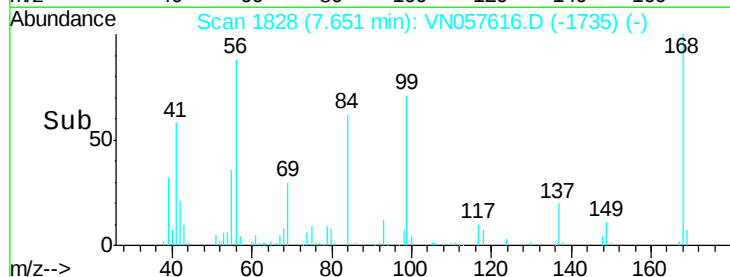
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 54.522 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN057616.D

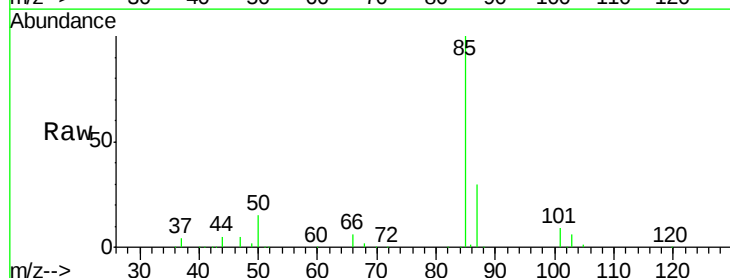
Acq: 31 Aug 2019 15:17

Tgt Ion: 85 Resp: 179188

Ion Ratio Lower Upper

85 100

87 29.8 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

150000

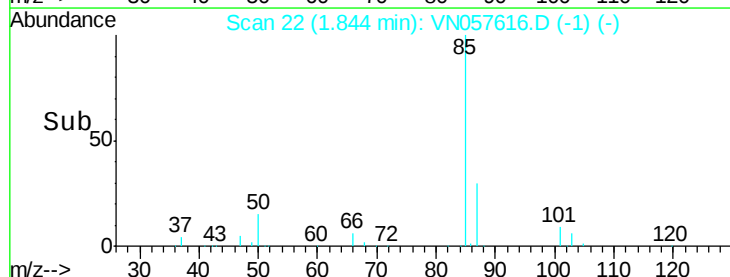
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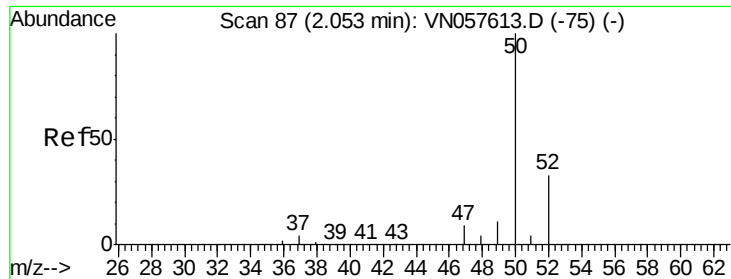
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 51.442 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

ClientSampled :

ICVFN090119

Tot Ion: 50 Resp: 194901

Ion Ratio Lower Upper

50 100

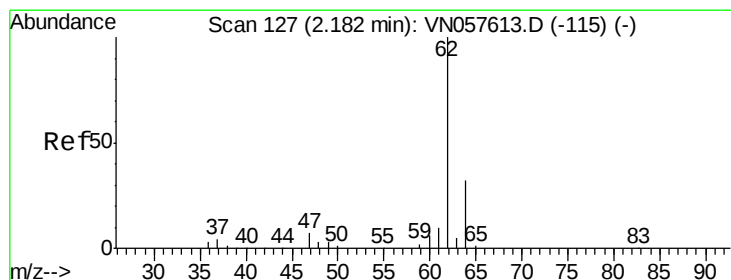
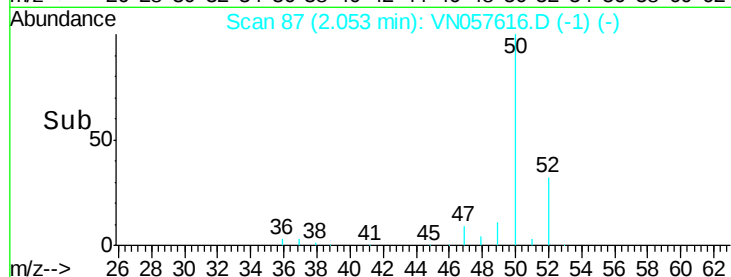
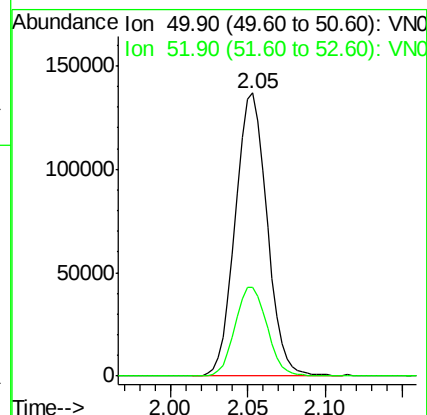
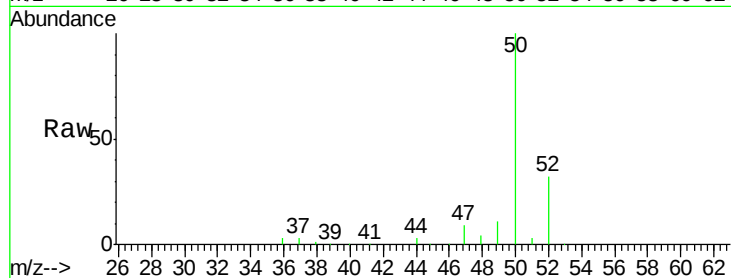
52 31.6 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.489 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057616.D

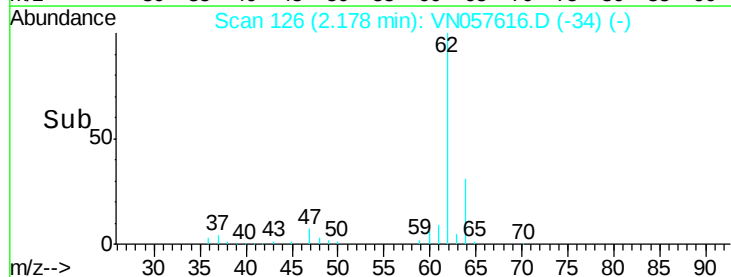
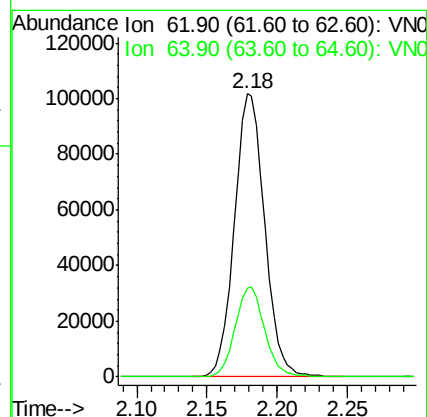
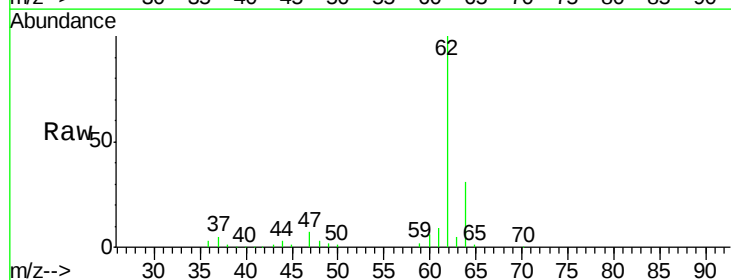
Acq: 31 Aug 2019 15:17

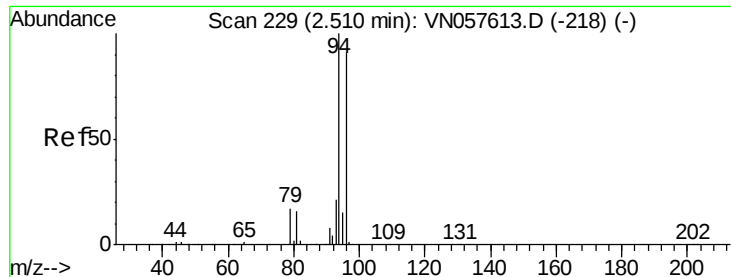
Tgt Ion: 62 Resp: 152798

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 55.428 ug/l

RT: 2.51 min Scan# 229

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

ClientSampled :

ICVVN090119

Tot Ion: 94 Resp: 104077

Ion Ratio Lower Upper

94 100

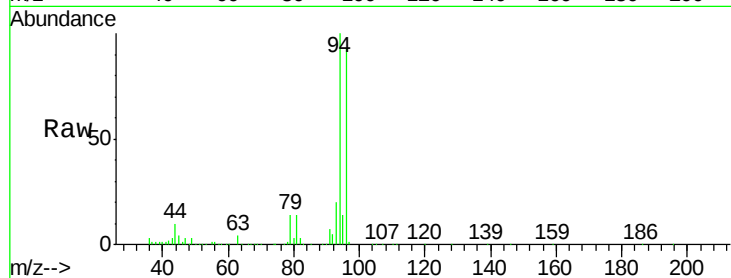
96 92.6 72.9 109.3

Manual Integrations

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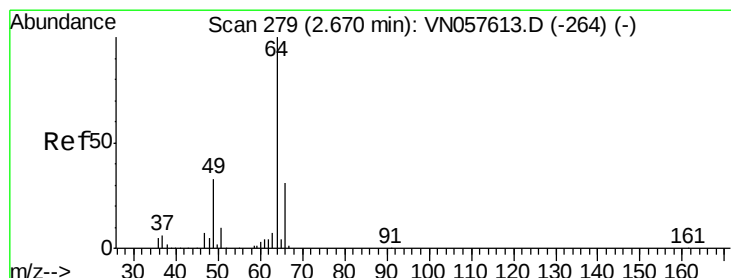
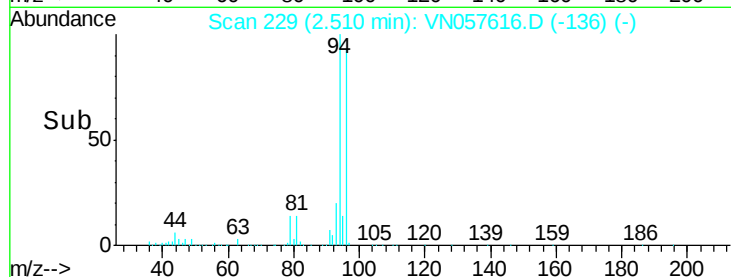
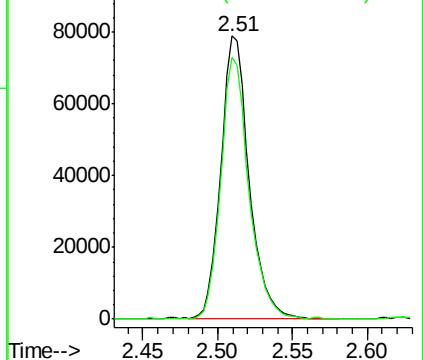
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.508 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN057616.D

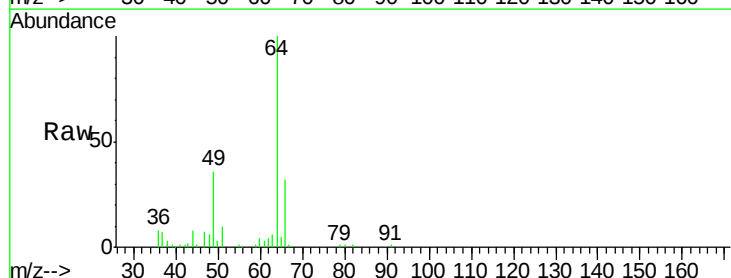
Acq: 31 Aug 2019 15:17

Tgt Ion: 64 Resp: 80407

Ion Ratio Lower Upper

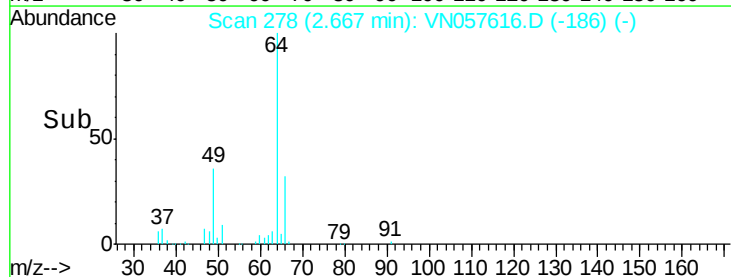
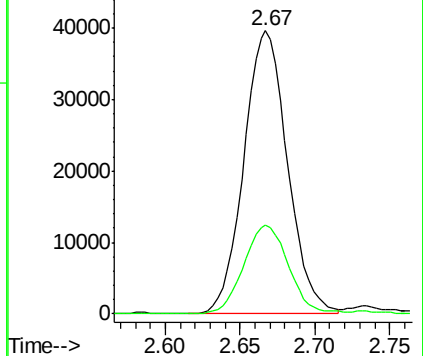
64 100

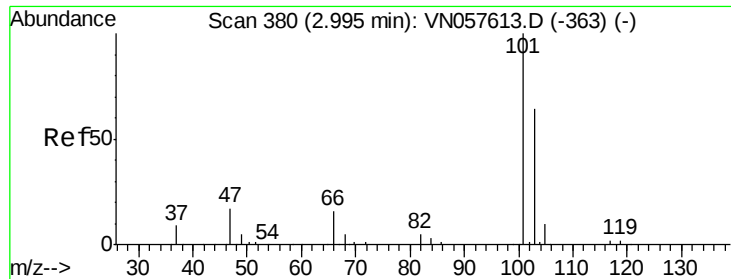
66 31.6 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

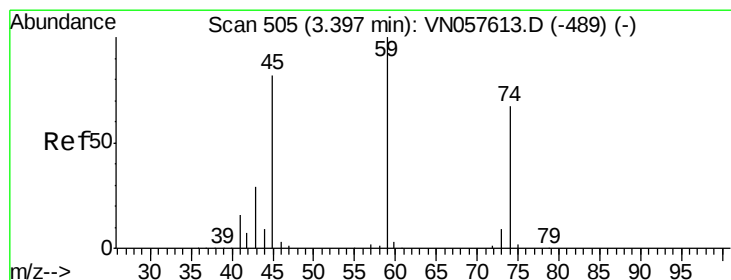
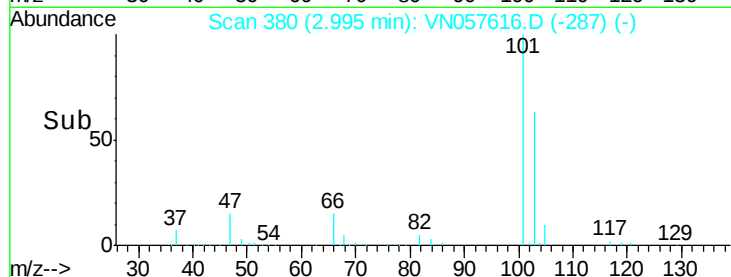
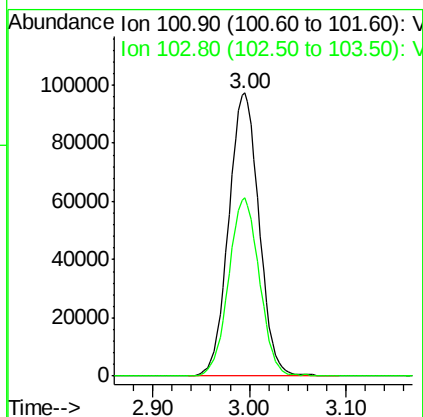
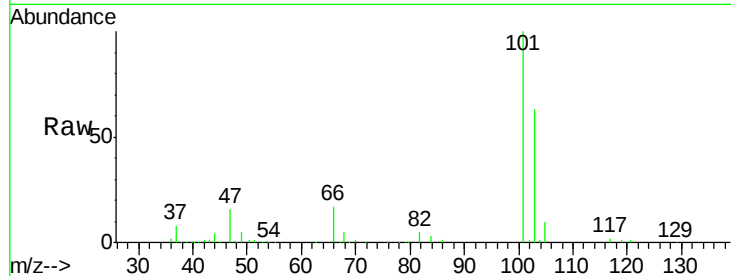
Trichlorofluoromethane
Concen: 50.817 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090119

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.3	76.9

Manual Integrations
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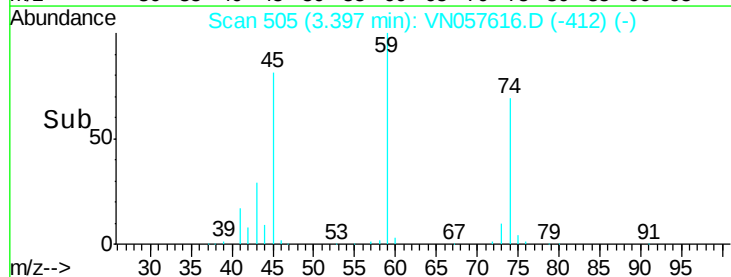
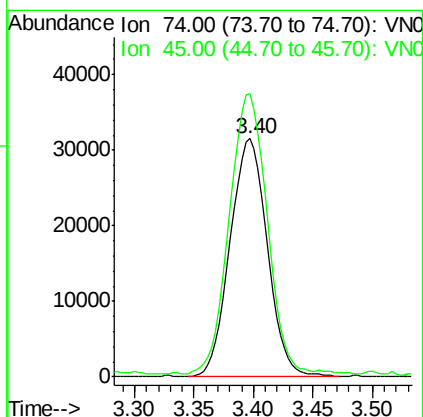
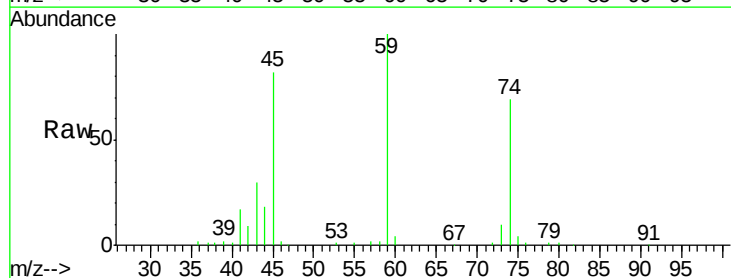
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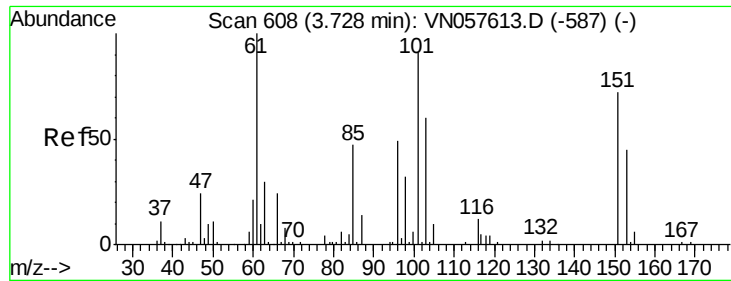


#8

Diethyl Ether
Concen: 49.799 ug/l
RT: 3.40 min Scan# 505
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.8	61.9	185.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.829 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

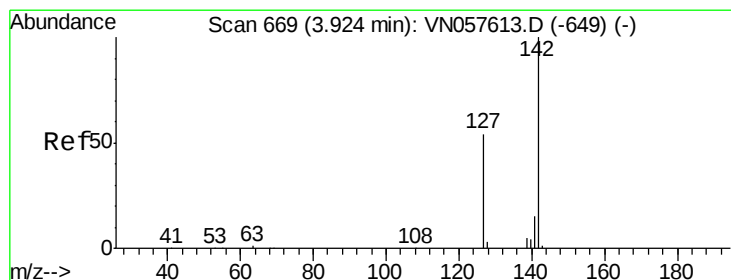
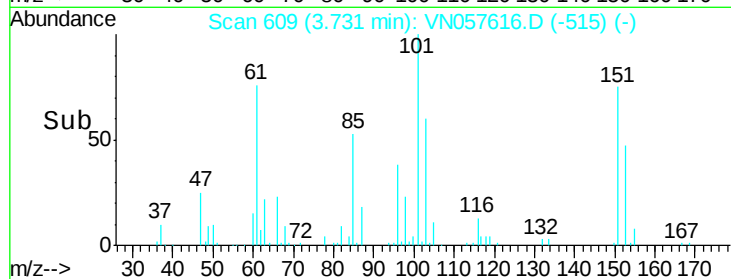
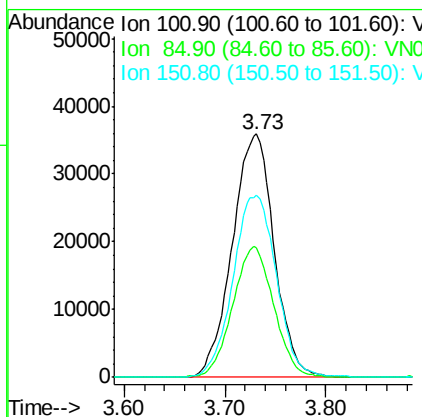
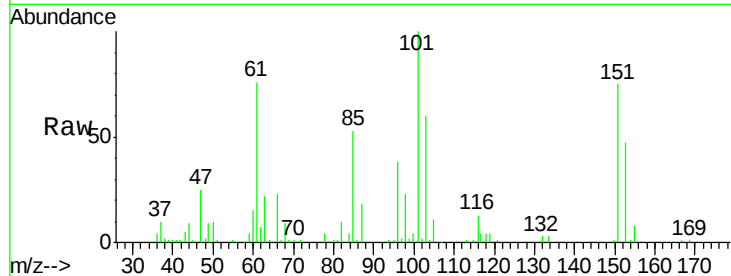
ClientSampled :

ICVVN090119

Tot Ion:	101	Resp:	103120
Ion Ratio	Lower	Upper	
101	100		
85	52.7	42.1	63.1
151	77.9	60.2	90.4

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#10

Methyl Iodide

Concen: 49.695 ug/l

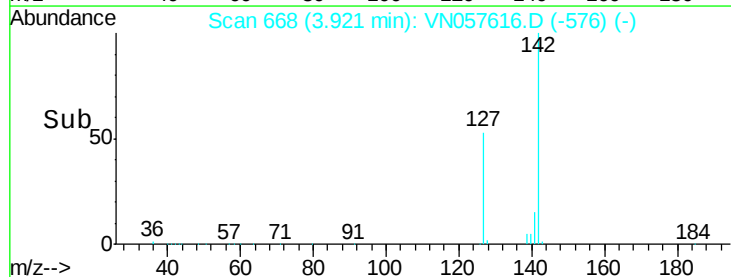
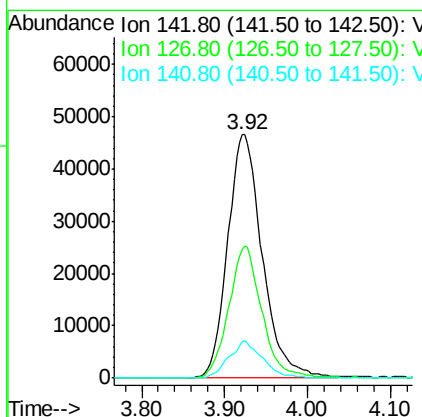
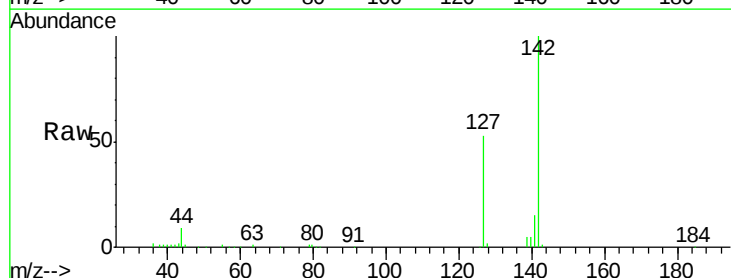
RT: 3.92 min Scan# 668

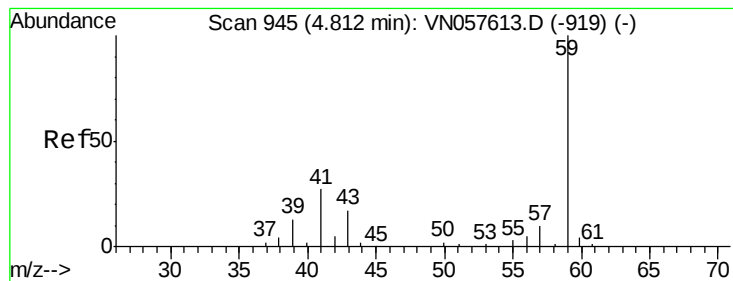
Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Tgt Ion:	142	Resp:	135501
Ion Ratio	Lower	Upper	
142	100		
127	51.7	43.0	64.6
141	14.7	11.4	17.2





#11

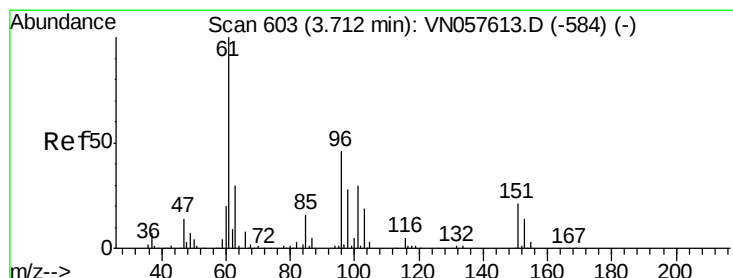
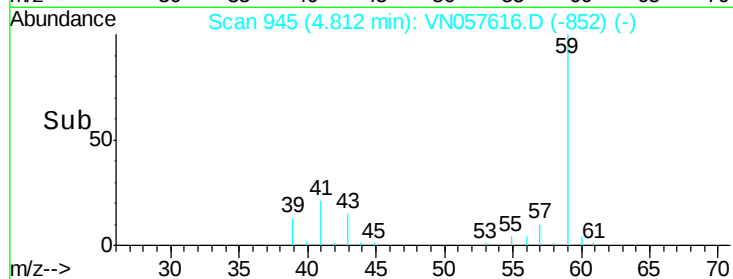
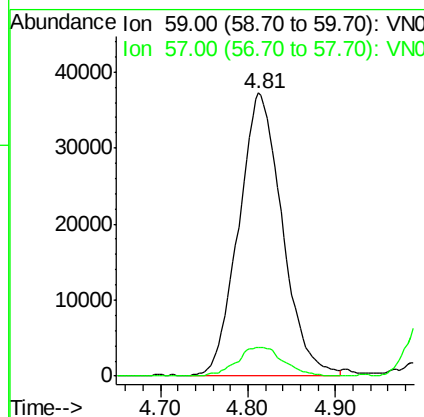
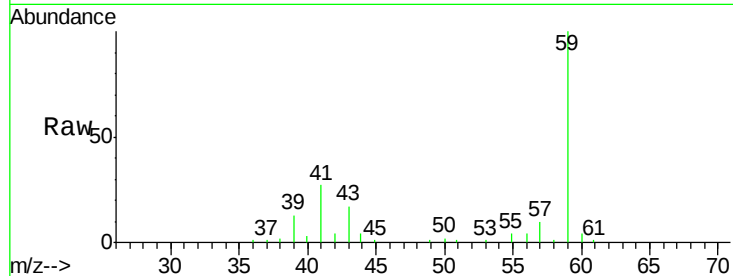
Tert butyl alcohol
 Concen: 264.276 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN090119

Tot Ion	59	57	Ratio	100	10.8	Resp	128689	Lower	5.0	Upper	7.6#
Ion	59	57	Ratio	100	10.8	Resp	128689	Lower	5.0	Upper	7.6#

Manual Integrations
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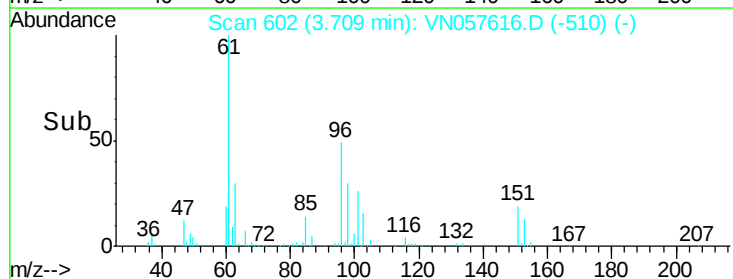
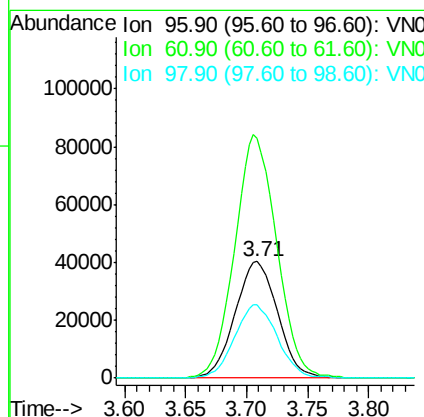
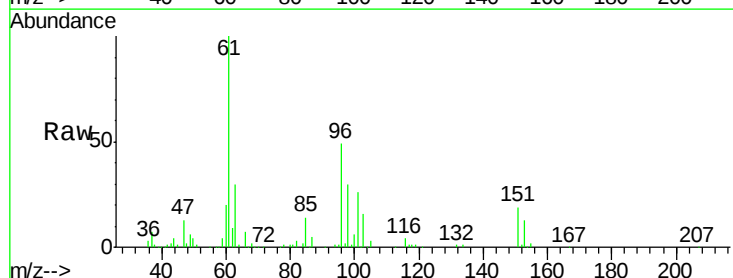
MMDadoda
 9/3/2019 11:52:10 AM

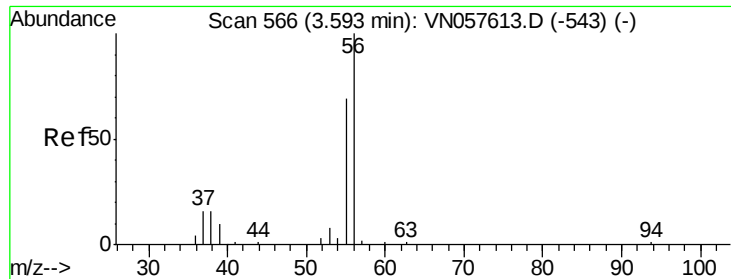


#12

1,1-Dichloroethene
 Concen: 50.862 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Tgt Ion	96	61	98	Ratio	100	204.8	62.0	Resp	97367	Lower	172.1	48.3	Upper	258.1	72.5
Ion	96	61	98	Ratio	100	204.8	62.0	Resp	97367	Lower	172.1	48.3	Upper	258.1	72.5





#13

Acrolein

Concen: 233.603 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090119

Tot Ion: 56 Resp: 45229

Ion Ratio Lower Upper

56 100

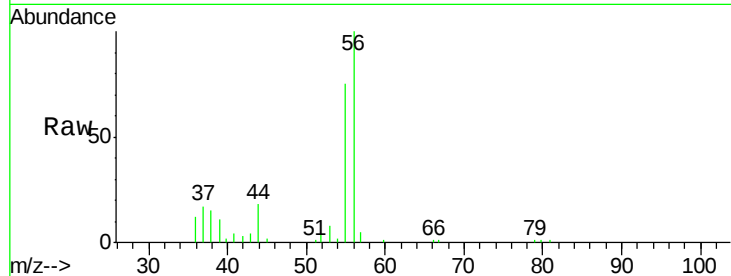
55 75.4 56.5 84.7

Manual Integrations

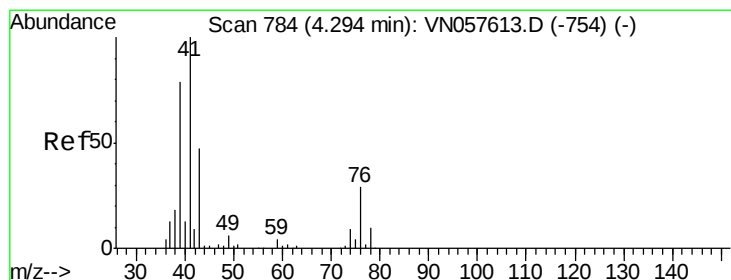
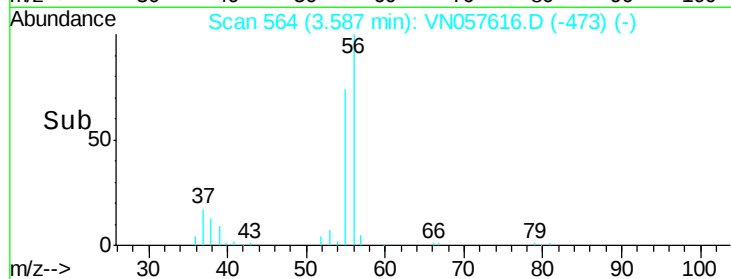
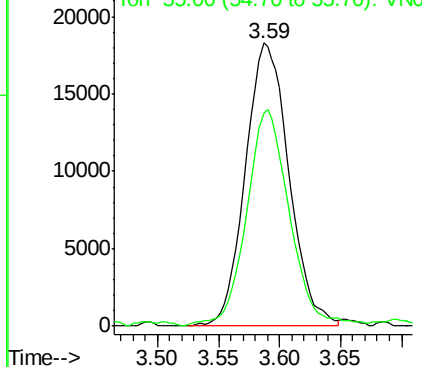
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Abundance Ion 56.00 (55.70 to 56.70): VN057616.D (-473) (-)



#14

Allyl chloride

Concen: 50.909 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

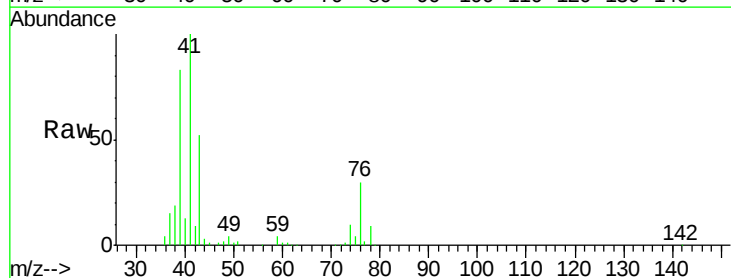
Tgt Ion: 41 Resp: 304044

Ion Ratio Lower Upper

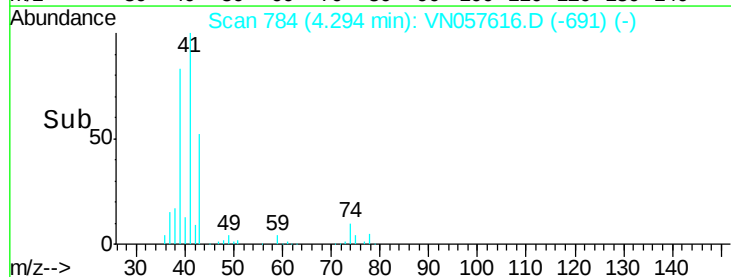
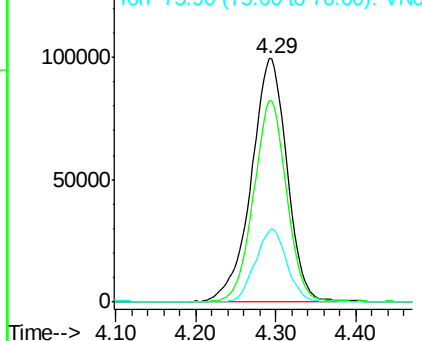
41 100

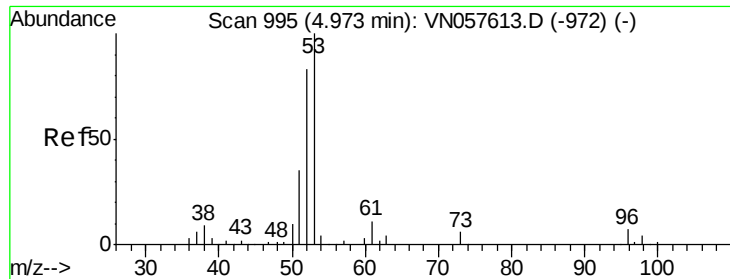
39 76.0 60.9 91.3

76 26.8 21.1 31.7



Abundance Ion 41.00 (40.70 to 41.70): VN057616.D (-691) (-)





#15

Acrylonitrile

Concen: 261.820 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

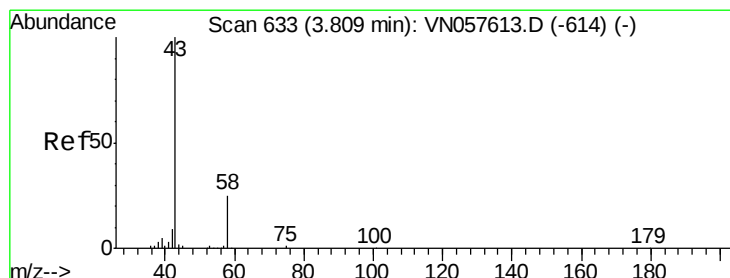
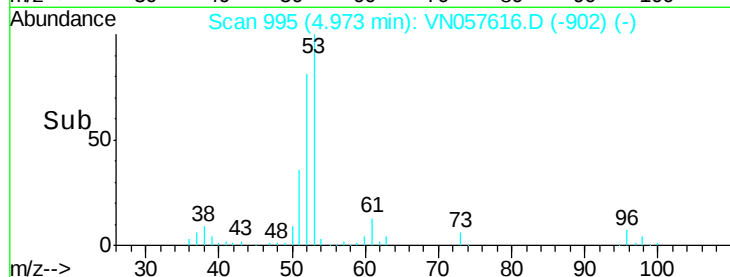
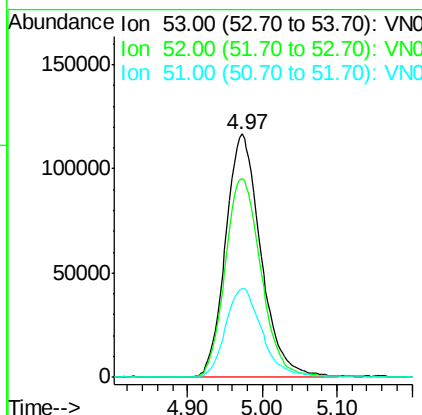
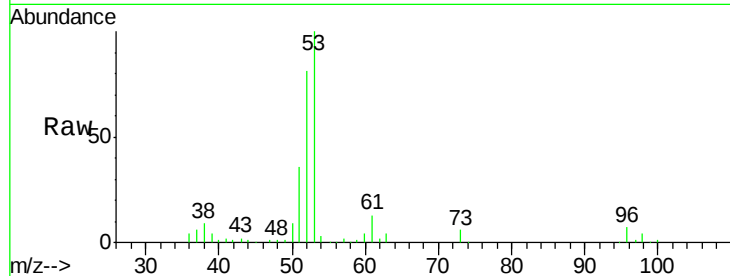
ClientSampleId :

ICVVN090119

Tot Ion:	53	Resp:	382565
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.1	100.7
51	37.8	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 238.228 ug/l

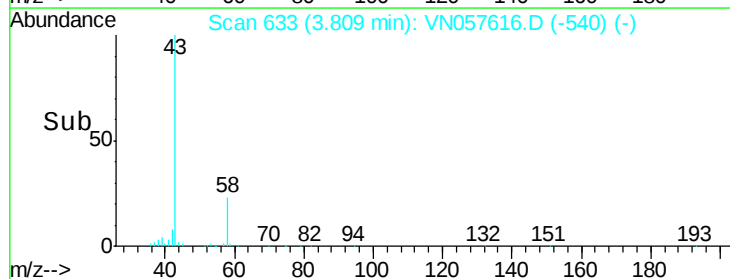
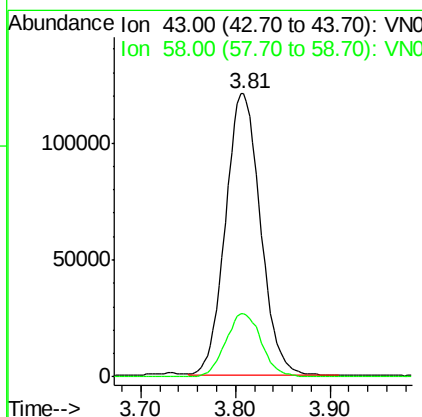
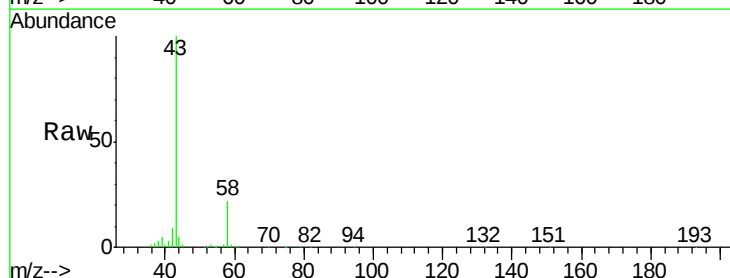
RT: 3.81 min Scan# 633

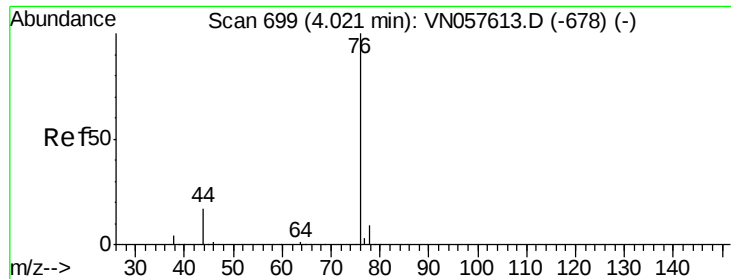
Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Tgt Ion:	43	Resp:	309969
Ion	Ratio	Lower	Upper
43	100		
58	22.6	20.0	30.0





#17

Carbon Disulfide

Concen: 55.896 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090119

Tot Ion: 76 Resp: 345937

Ion Ratio Lower Upper

76 100

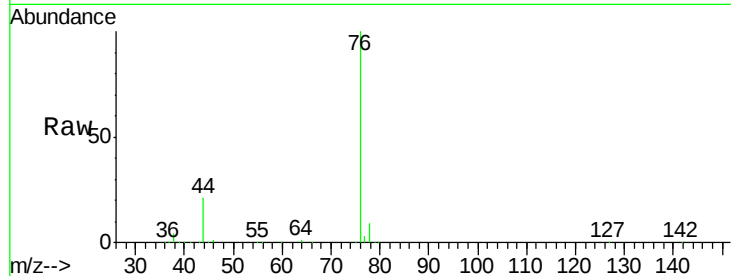
78 9.0 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.02

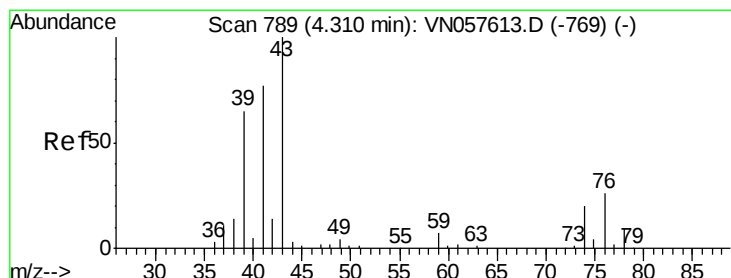
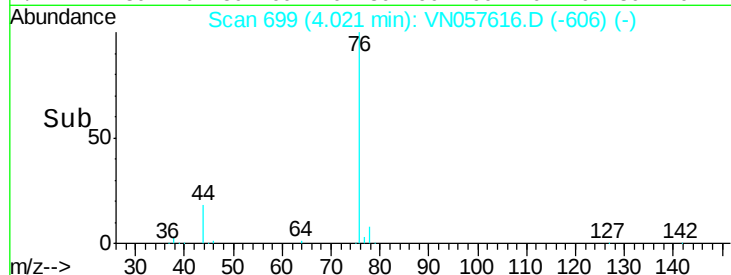
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.841 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN057616.D

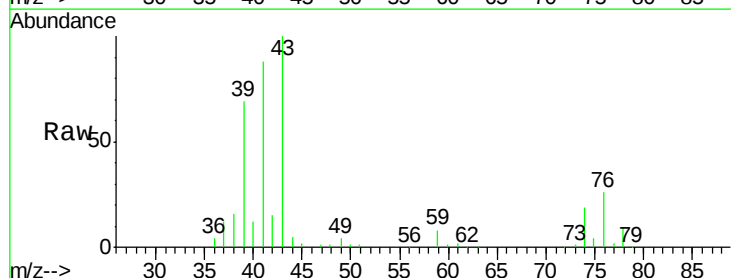
Acq: 31 Aug 2019 15:17

Tgt Ion: 43 Resp: 213736

Ion Ratio Lower Upper

43 100

74 20.2 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.31

80000

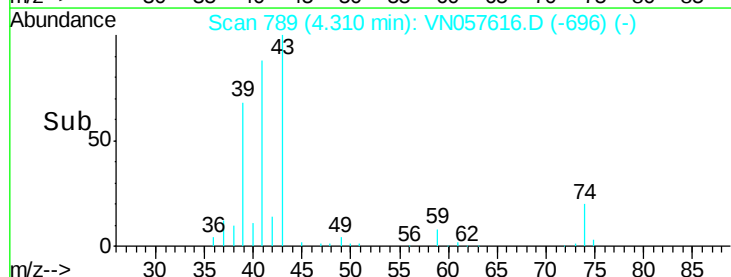
60000

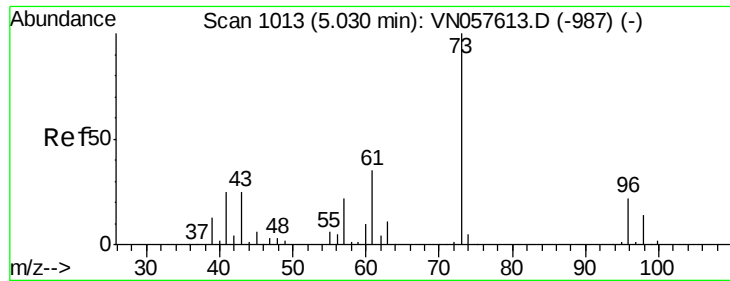
40000

20000

0

Time-->





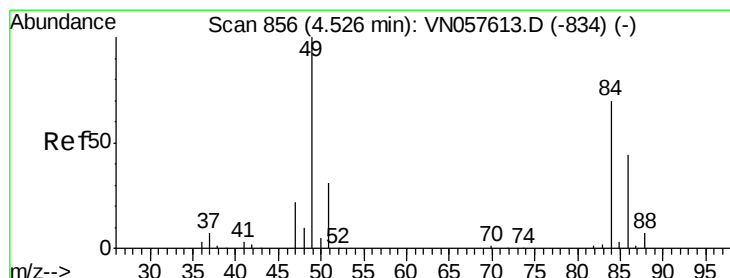
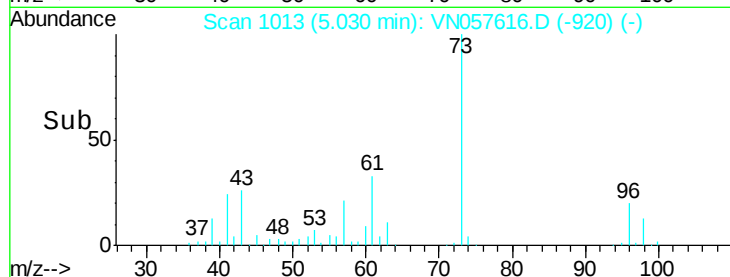
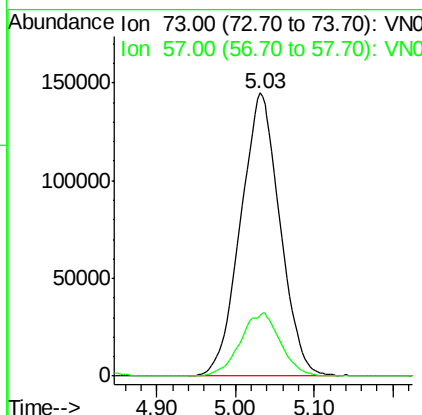
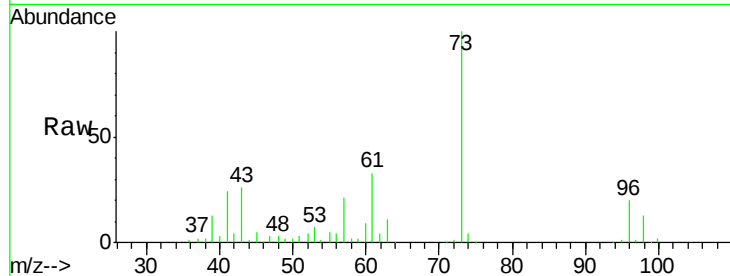
#19
Methvl tert-butvl Ether
Concen: 51.565 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090119

Tot Ion: 73 Resp: 510707
Ion Ratio Lower Upper
73 100
57 21.5 17.3 25.9

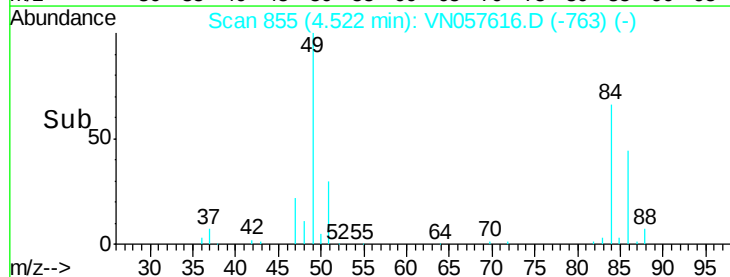
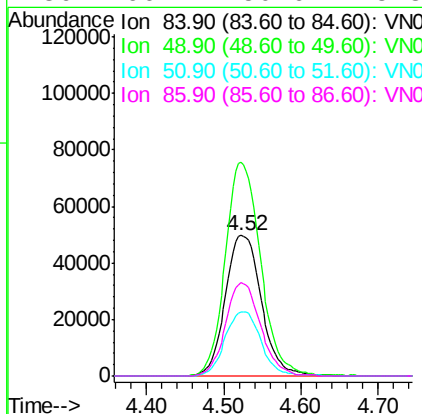
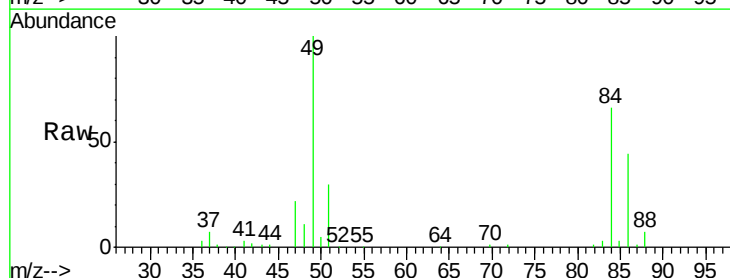
Manual Integrations
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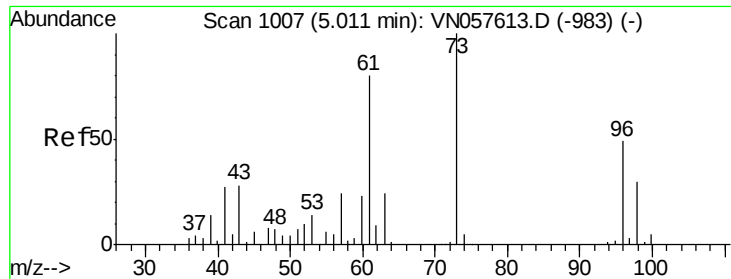
MMDadoda
9/3/2019 11:52:10 AM



#20
Methylene Chloride
Concen: 49.960 ug/l
RT: 4.52 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Tgt Ion: 84 Resp: 160931
Ion Ratio Lower Upper
84 100
49 151.4 113.8 170.6
51 45.1 35.0 52.6
86 66.1 50.6 75.8





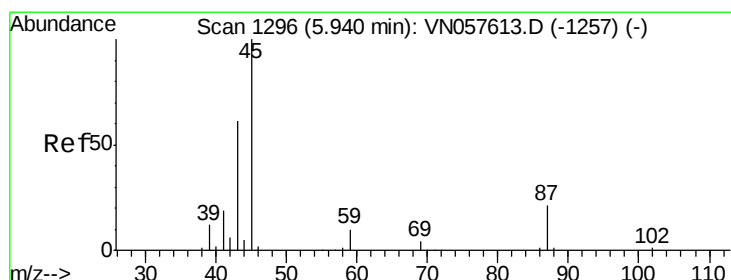
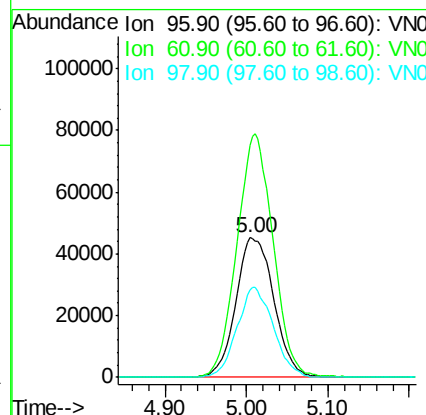
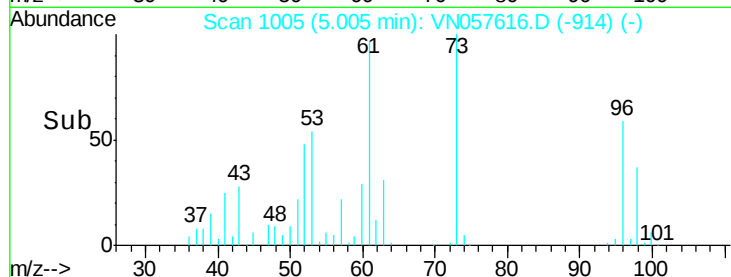
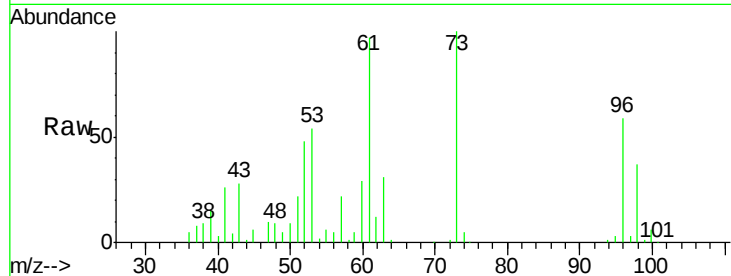
#21
trans-1,2-Dichloroethene
Concen: 51.322 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Instrument :
MSVOA_N
ClientSampled :
ICVVN090119

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.3	131.6	197.4
98	62.9	49.9	74.9

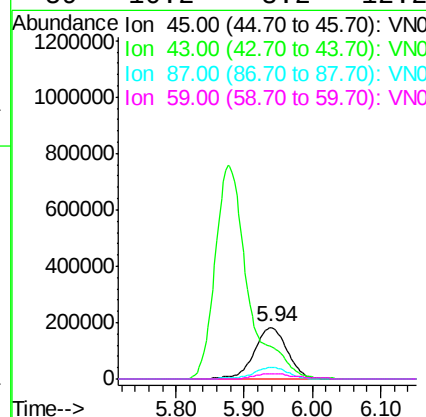
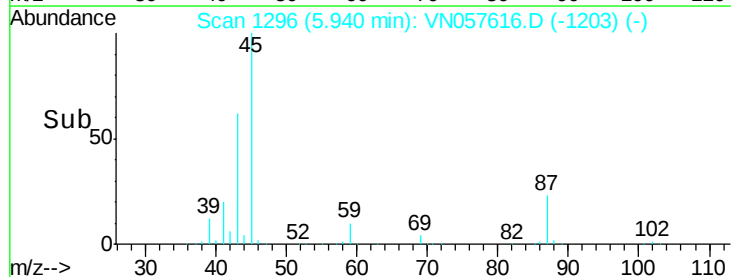
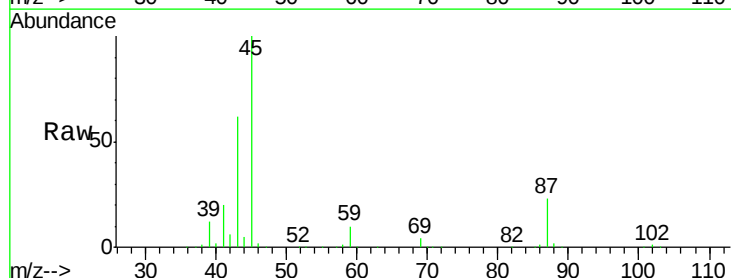
Manual Integrations
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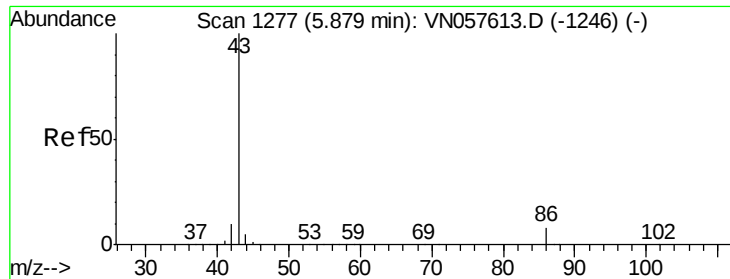
MMDadoda
9/3/2019 11:52:10 AM



#22
Diisopropyl ether
Concen: 50.284 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.0	49.1	73.7
87	23.1	17.0	25.6
59	10.2	8.2	12.2





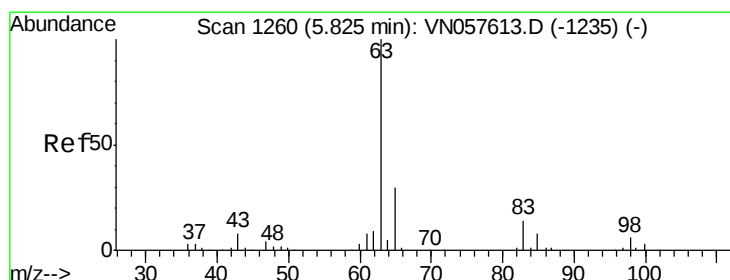
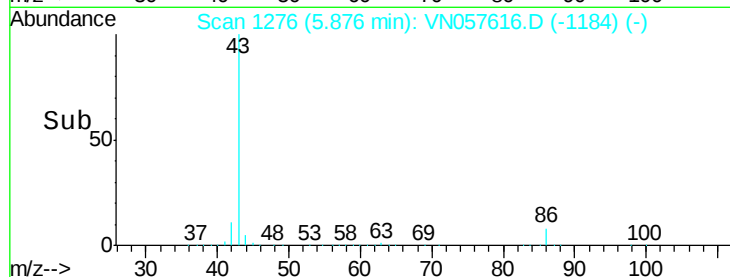
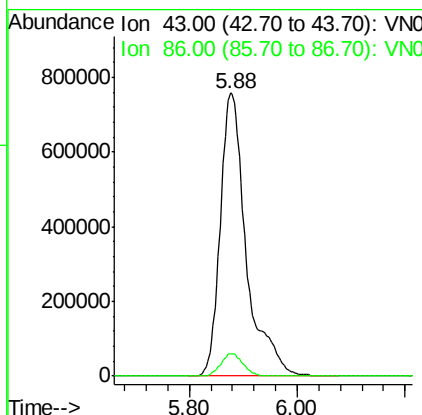
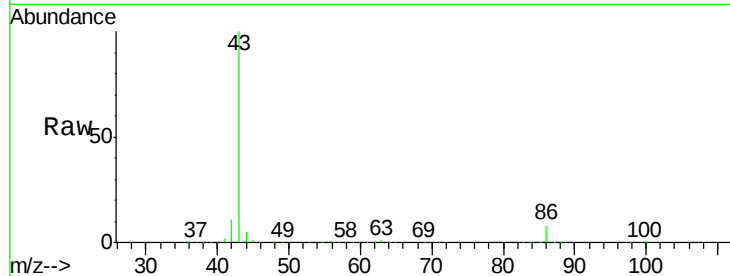
#23
 Vinyl Acetate
 Concen: 268.413 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN090119

Tot Ion: 43 Resp: 2532580
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.1 9.1

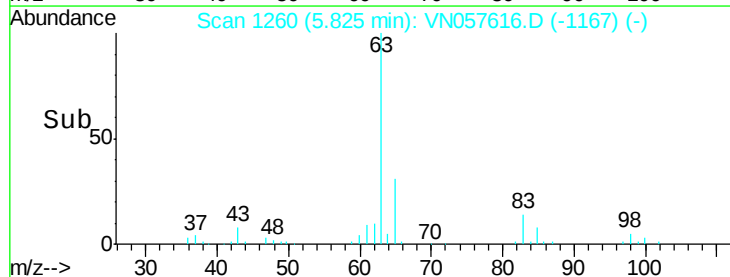
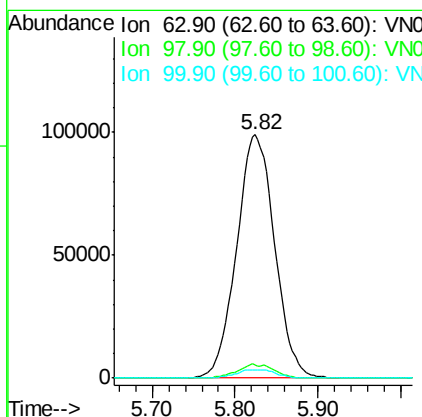
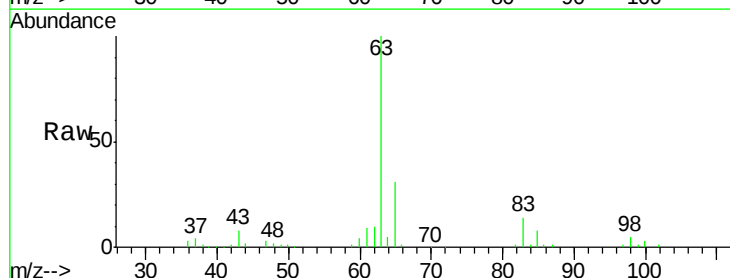
Manual Integrations
 APPROVED

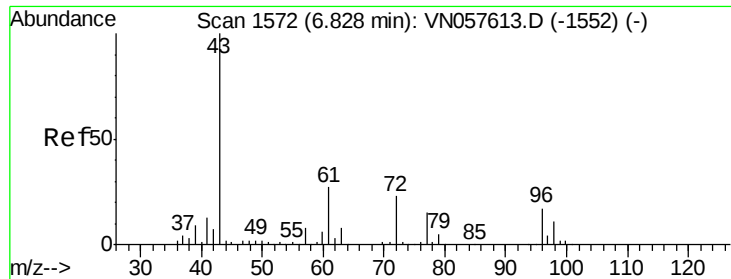
MMDadoda
 9/3/2019 11:52:10 AM



#24
 1,1-Dichloroethane
 Concen: 51.164 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Tgt Ion: 63 Resp: 315312
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.8 8.4
 100 3.3 1.5 4.5





#25

2-Butanone

Concen: 255.627 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

ClientSampled :

ICVVN090119

Tot Ion: 43 Resp: 554226

Ion Ratio Lower Upper

43 100

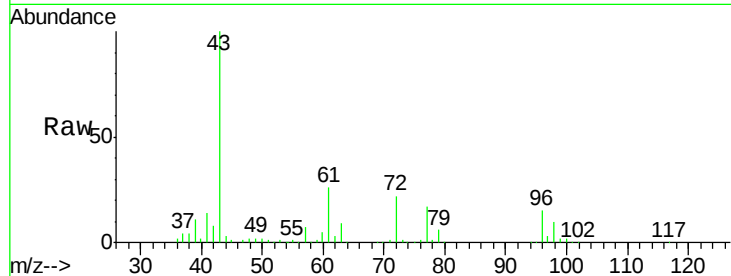
72 22.0 18.2 27.4

Manual Integrations

APPROVED

MMDadoda

9/3/2019 11:52:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.83

200000

150000

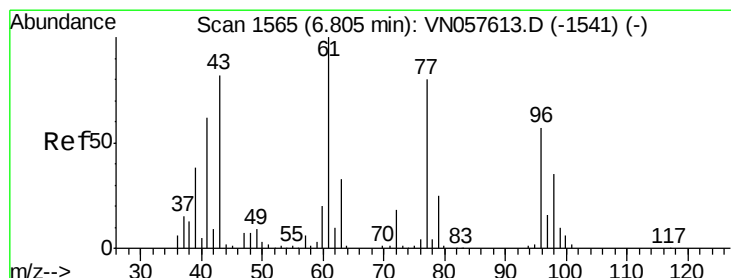
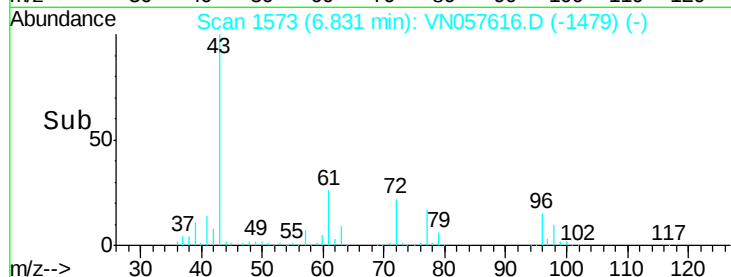
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 51.789 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057616.D

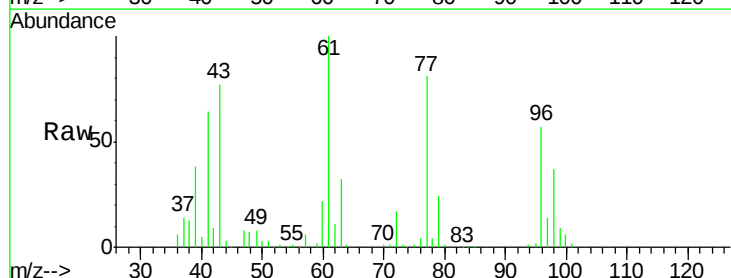
Acq: 31 Aug 2019 15:17

Tgt Ion: 77 Resp: 255113

Ion Ratio Lower Upper

77 100

97 9.6 10.6 31.8#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.81

80000

60000

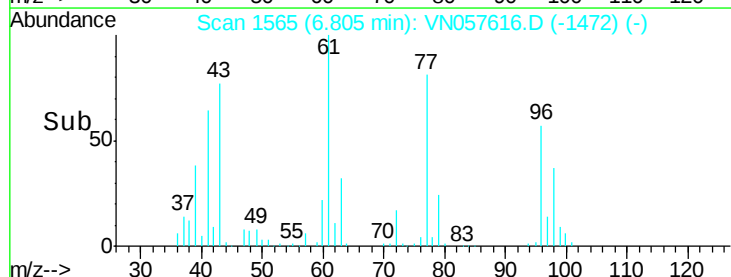
40000

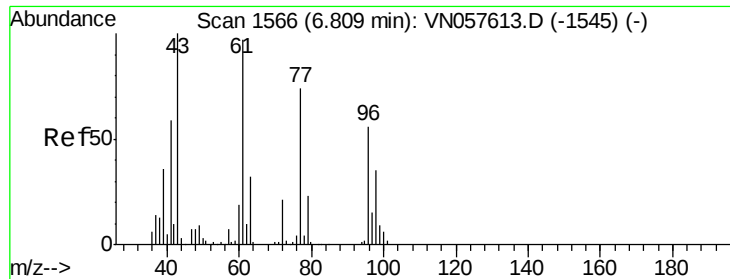
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.733 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

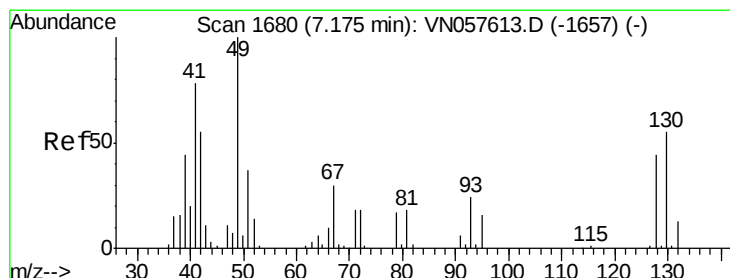
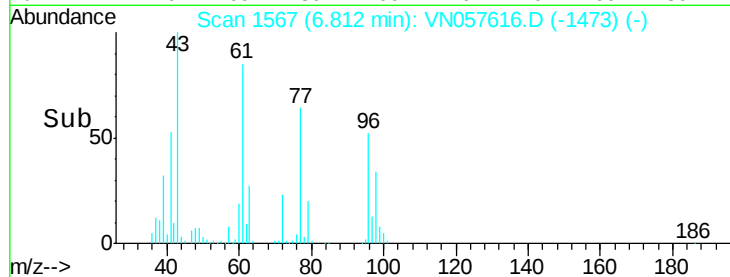
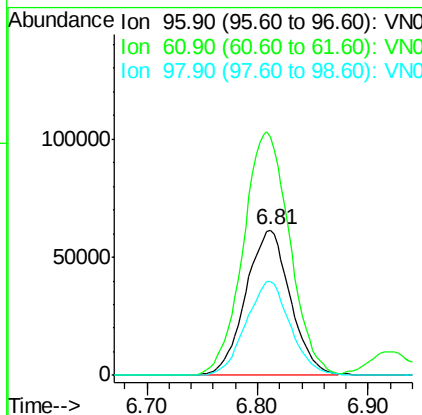
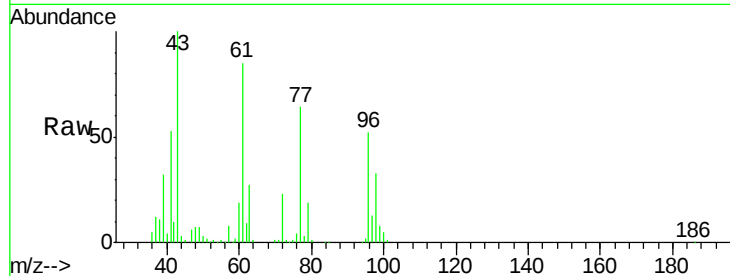
ClientSampled :

ICVVN090119

Tot Ion:	96	Resp:	172423
Ion	Ratio	Lower	Upper
96	100		
61	174.6	0.0	344.6
98	64.3	0.0	124.8

Manual Integrations
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9/3/2019 11:52:10 AM



#28

Bromochloromethane

Concen: 49.882 ug/l

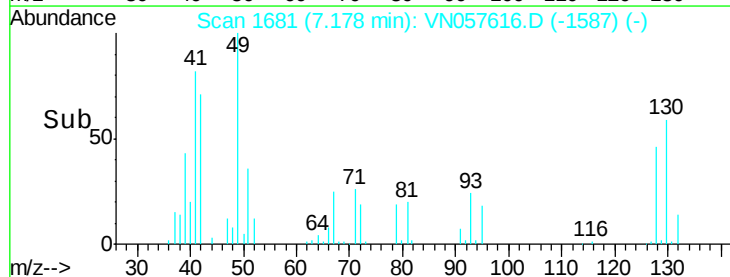
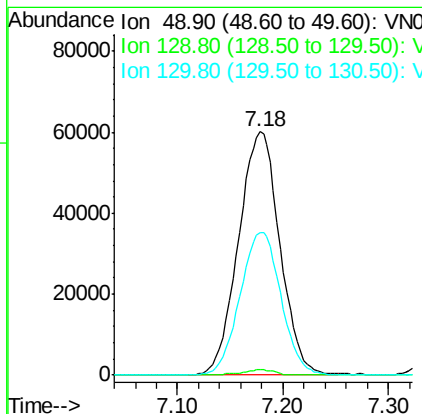
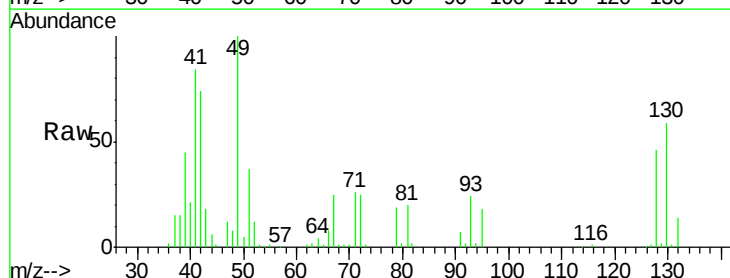
RT: 7.18 min Scan# 1681

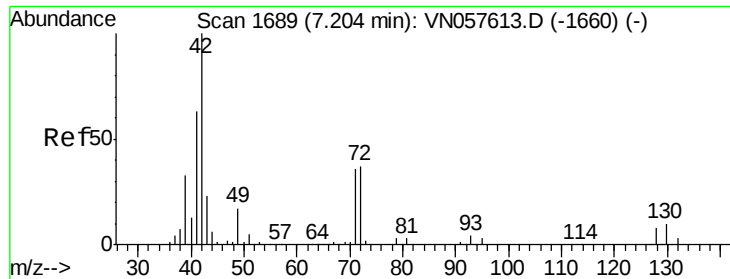
Delta R.T. 0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Tgt Ion:	49	Resp:	163706
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	1.8
130	58.2	45.8	68.8





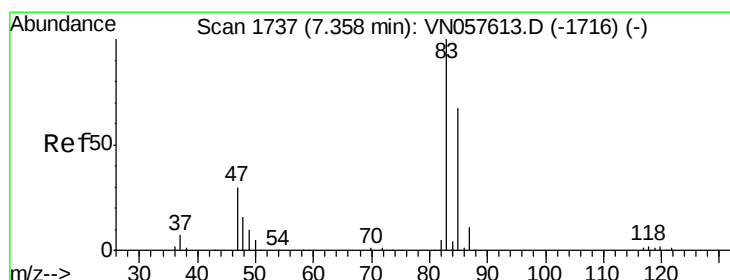
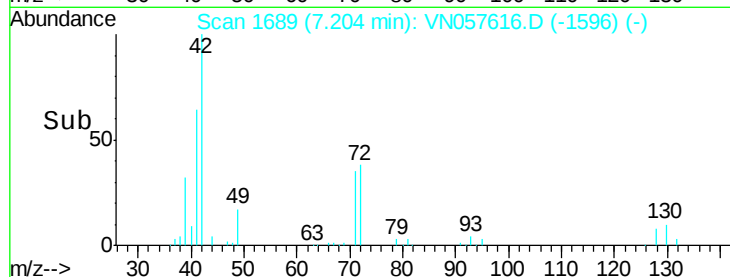
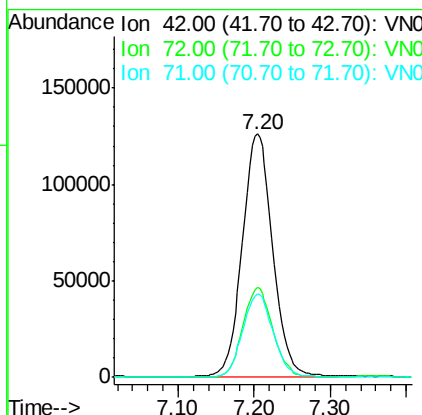
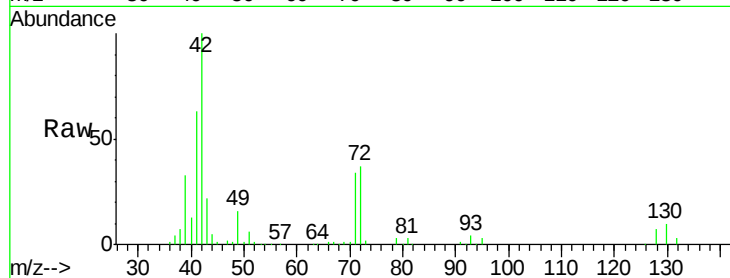
#29
Tetrahydrofuran
Concen: 257.977 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090119

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.6	44.4
71	34.6	27.9	41.9

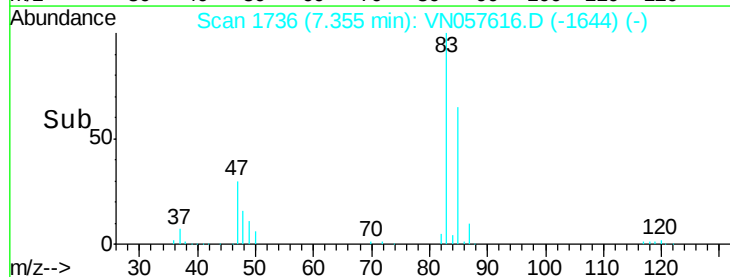
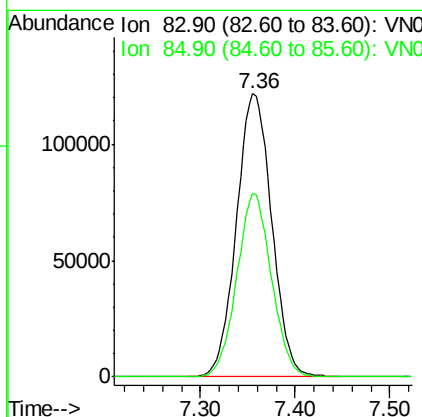
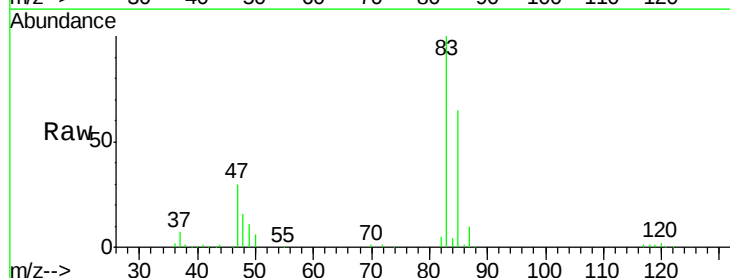
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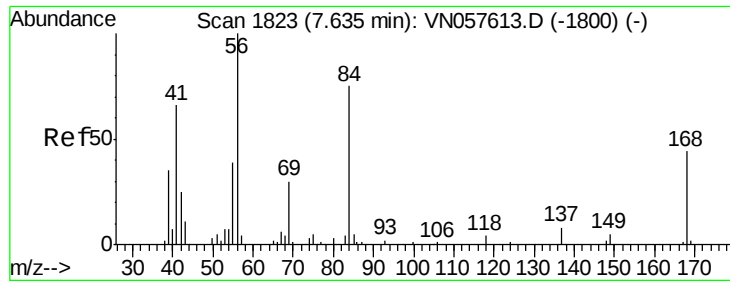
MMDadoda
9/3/2019 11:52:10 AM



#30
Chloroform
Concen: 50.466 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.2	79.8





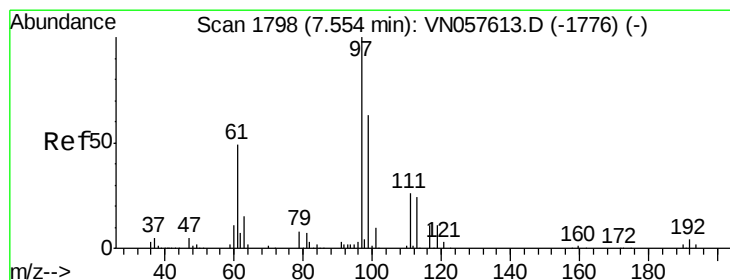
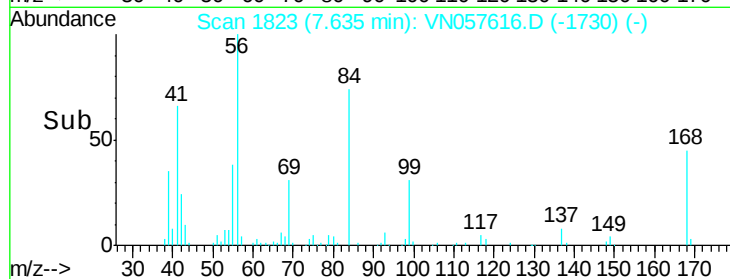
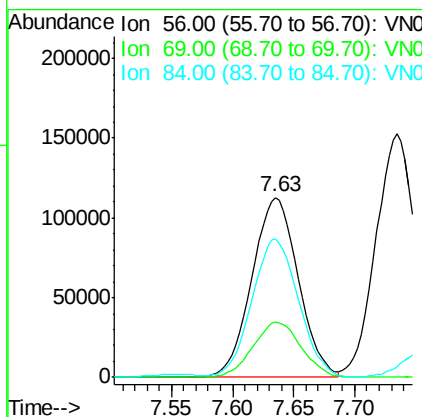
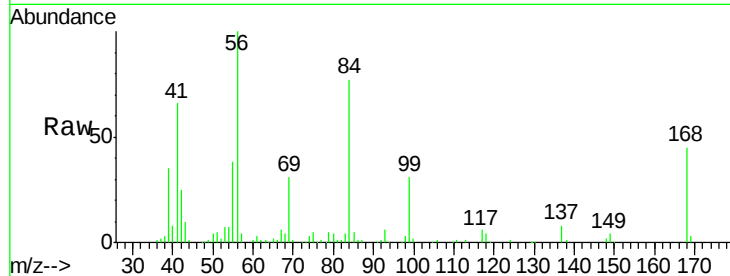
#31
Cyclohexane
Concen: 48.256 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Instrument :
MSVOA_N
ClientSampled :
ICVVN090119

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.4	36.6
84	75.4	59.9	89.9

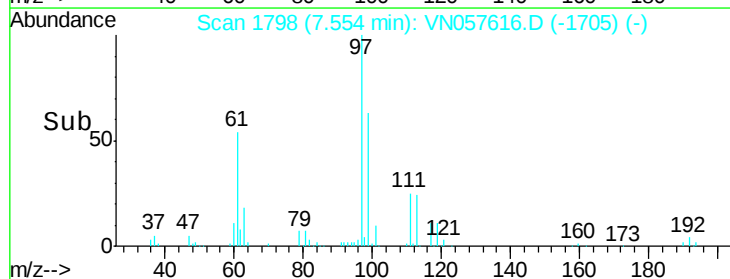
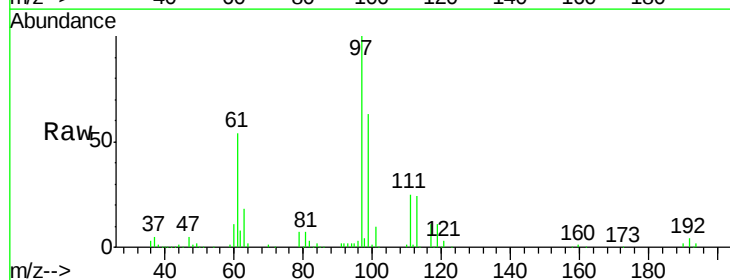
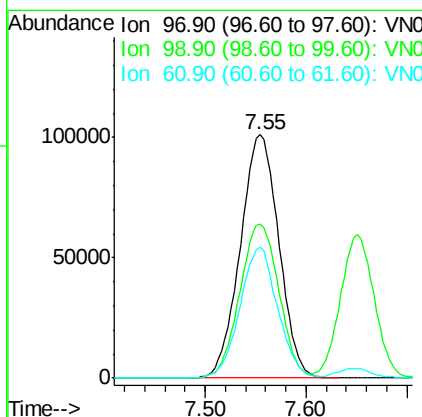
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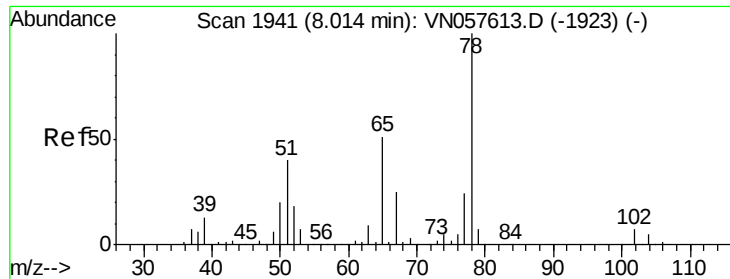
MMDadoda
9/3/2019 11:52:10 AM



#32
1,1,1-Trichloroethane
Concen: 52.284 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.6	75.8
61	52.5	41.1	61.7





#33

1,2-Dichloroethane-d4

Concen: 48.919 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

ClientSampled :

ICVVN090119

Tot Ion: 65 Resp: 227118

Ion Ratio Lower Upper

65 100

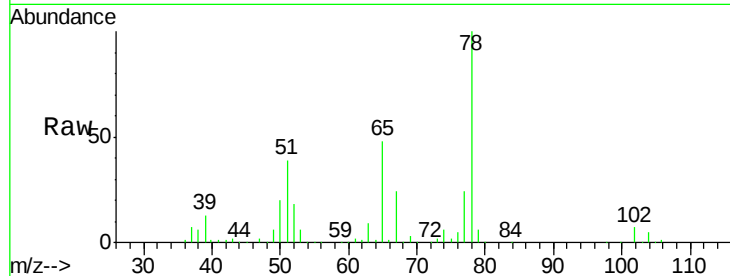
67 49.9 0.0 102.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN057616.D (-1848) (-)

Ion 66.90 (66.60 to 67.60): VN057616.D (-1848) (-)

8.01

100000

80000

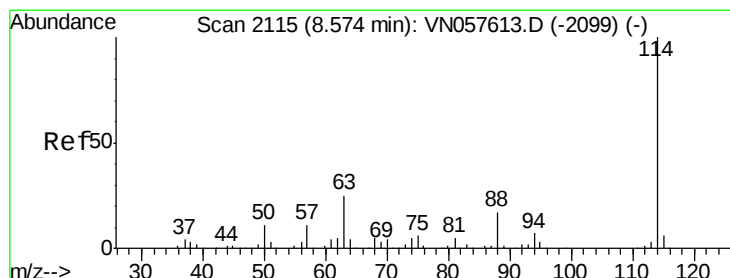
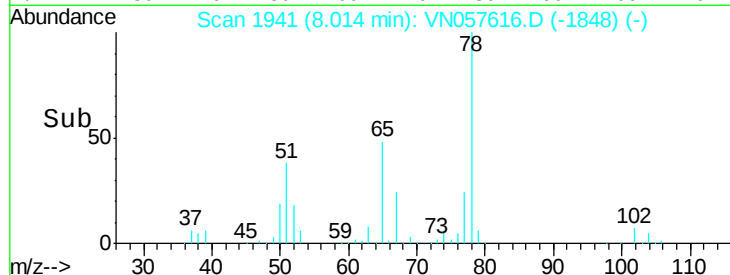
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

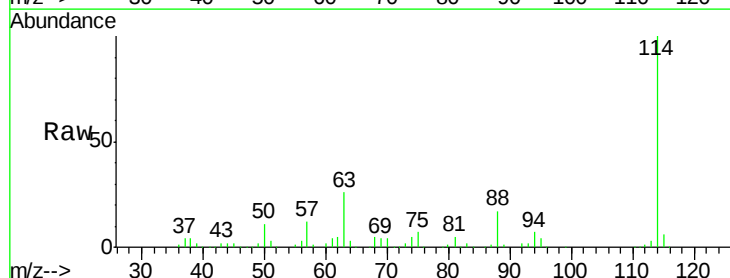
Tgt Ion: 114 Resp: 340133

Ion Ratio Lower Upper

114 100

63 26.5 0.0 49.0

88 17.1 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): VN057616.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN057616.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN057616.D (-2022) (-)

8.58

200000

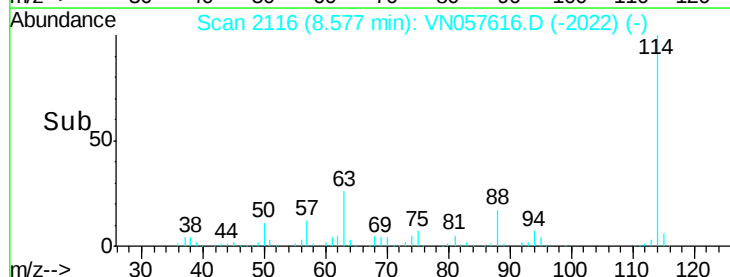
150000

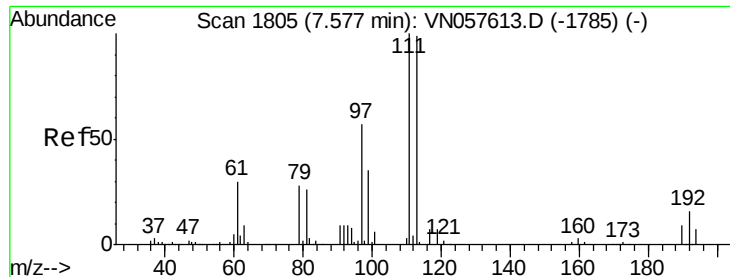
100000

50000

0

Time-->





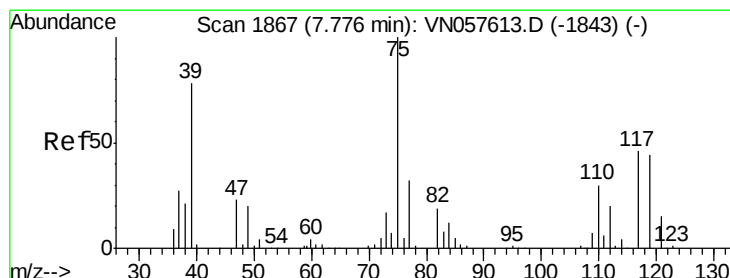
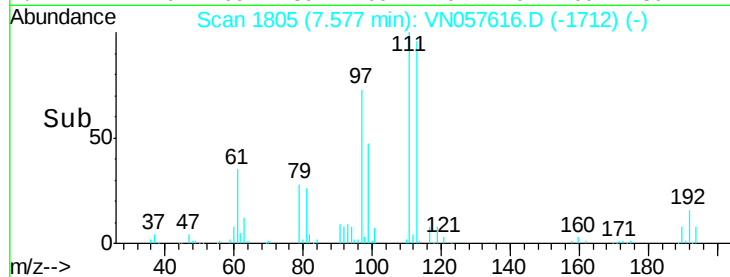
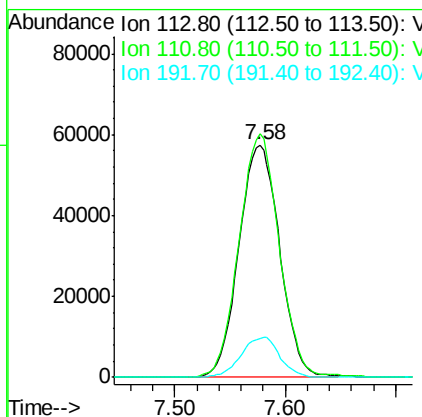
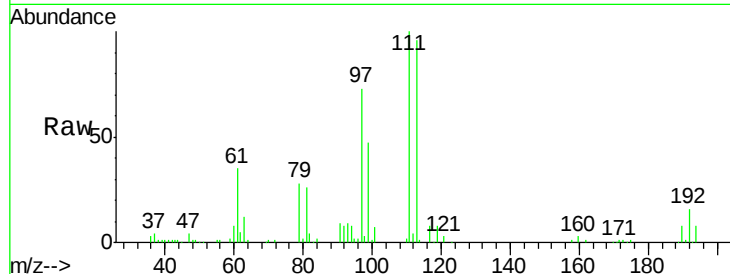
#35
 Dibromofluoromethane
 Concen: 49.485 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN090119

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	81.3	121.9	
192	16.5	13.5	20.3	

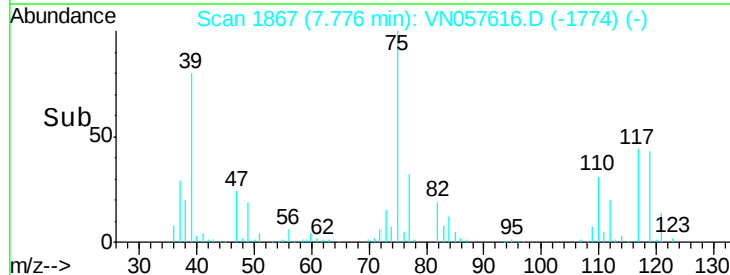
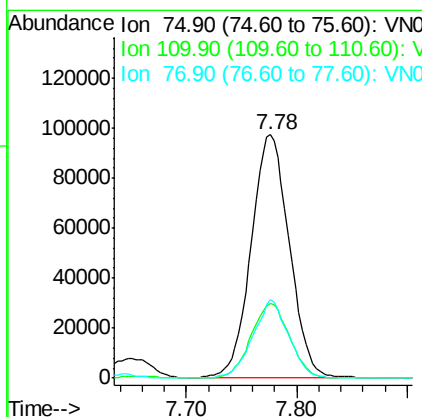
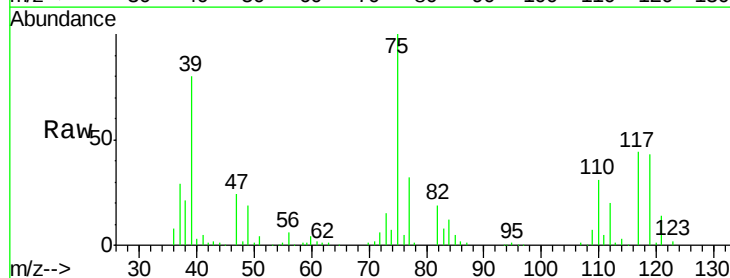
Manual Integrations
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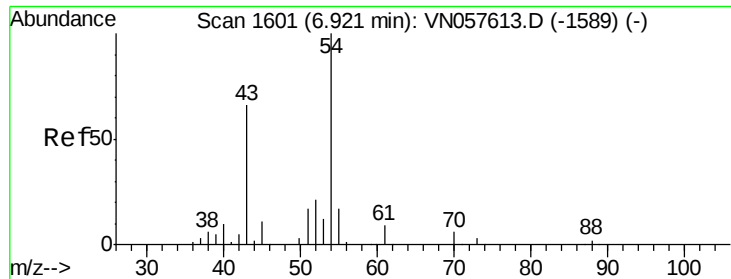
MMDadoda
 9/3/2019 11:52:10 AM



#36
 1,1-Dichloropropene
 Concen: 51.589 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.1	15.6	46.8	
77	30.5	24.9	37.3	





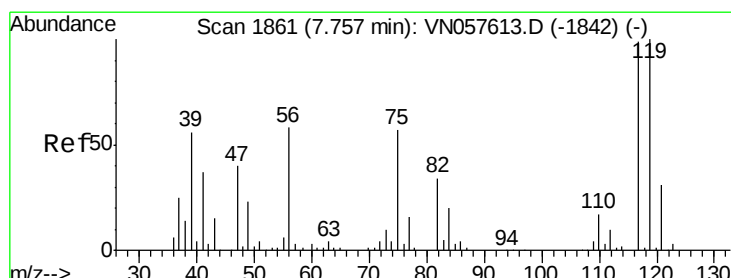
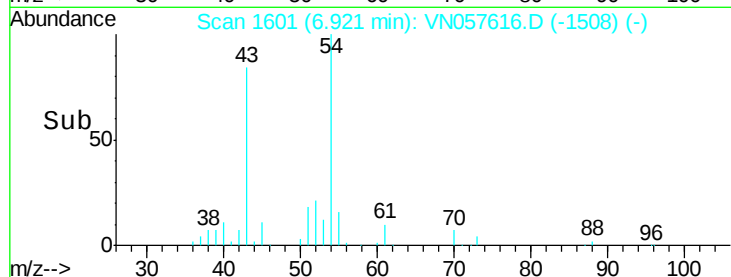
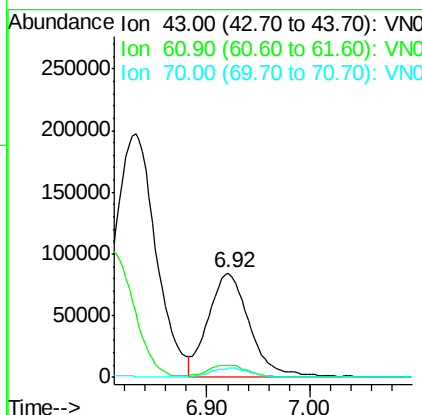
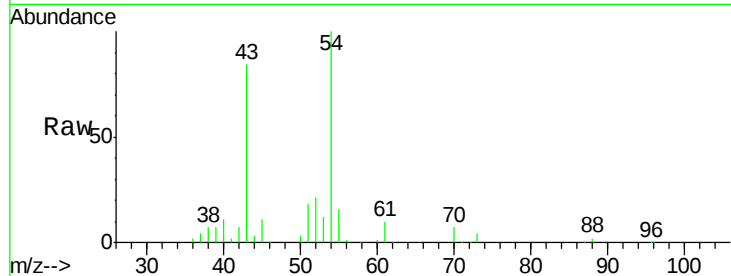
#37
Ethyl Acetate
Concen: 53.726 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Instrument :
MSVOA_N
ClientSampled :
ICVVN090119

Tot Ion	43	Resp	230781
Ion Ratio	100	Lower	Upper
43	100		
61	11.8	10.1	15.1
70	8.8	6.8	10.2

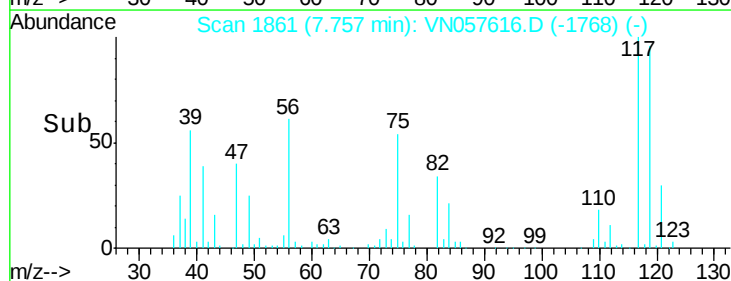
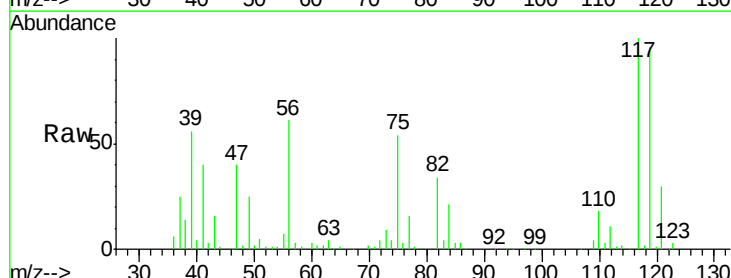
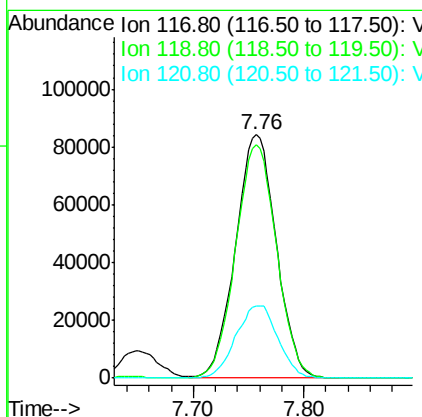
Manual Integrations
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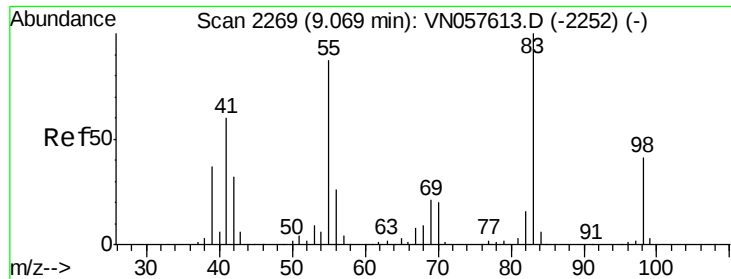
MMDadoda
9/3/2019 11:52:10 AM



#38
Carbon Tetrachloride
Concen: 52.968 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Tgt Ion	117	Resp	213810
Ion Ratio	100	Lower	Upper
117	100		
119	96.1	80.6	120.8
121	29.6	25.1	37.7





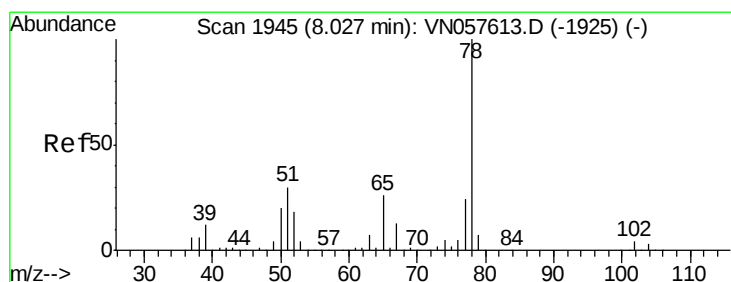
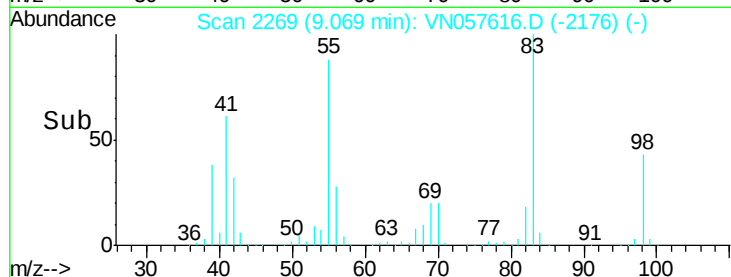
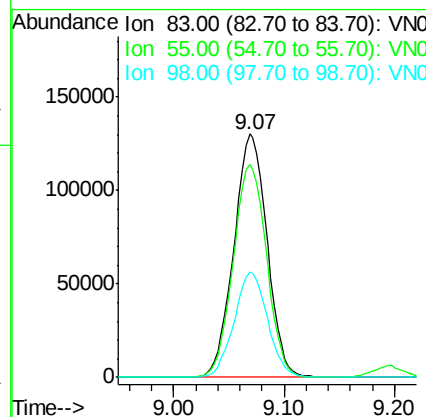
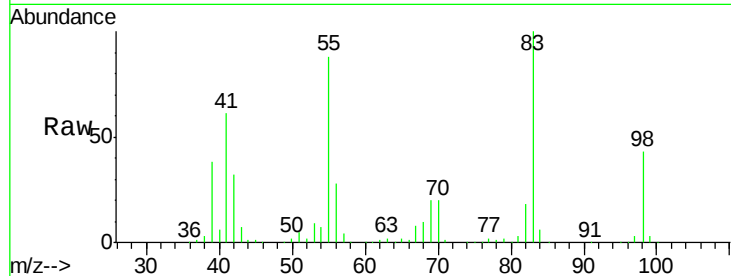
#39
Methvlcvclohexane
Concen: 51.088 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090119

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.4	69.8	104.8
98	43.4	32.7	49.1

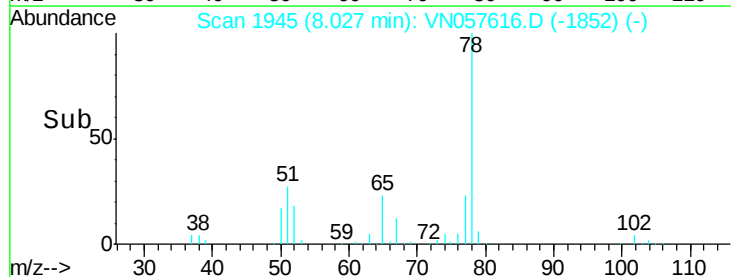
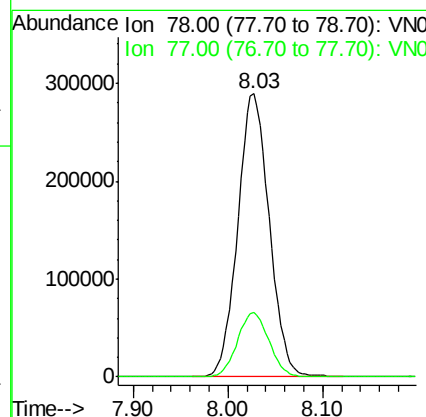
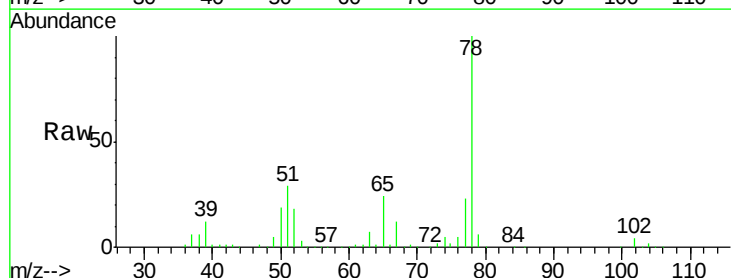
Manual Integrations
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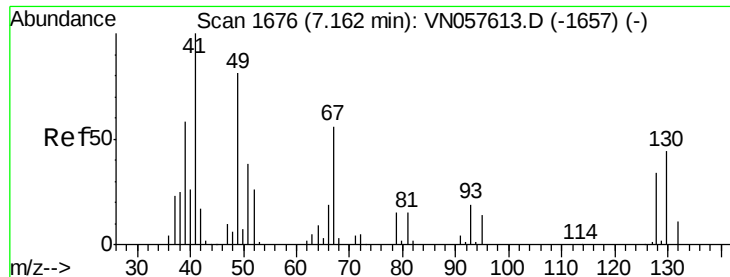
MMDadoda
9/3/2019 11:52:10 AM



#40
Benzene
Concen: 51.069 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.1	28.7





#41

Methacrylonitrile

Concen: 47.264 ug/l

RT: 7.16 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

ClientSampled :

ICVVN090119

Tot Ion: 41 Resp: 113489

Ion Ratio Lower Upper

41 100

39 65.2 50.6 75.8

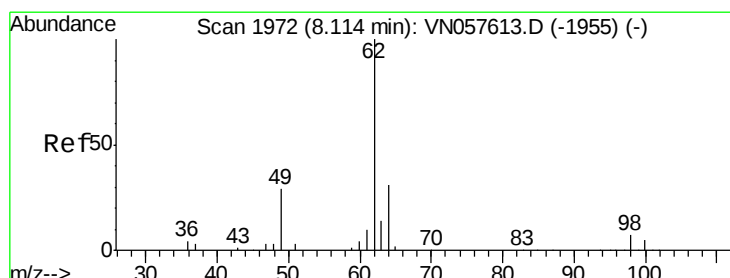
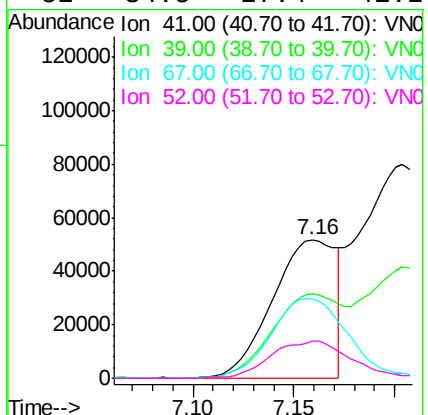
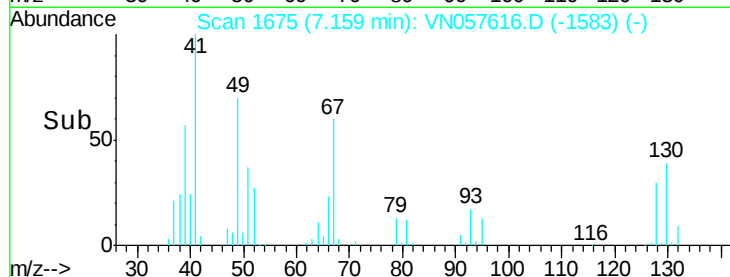
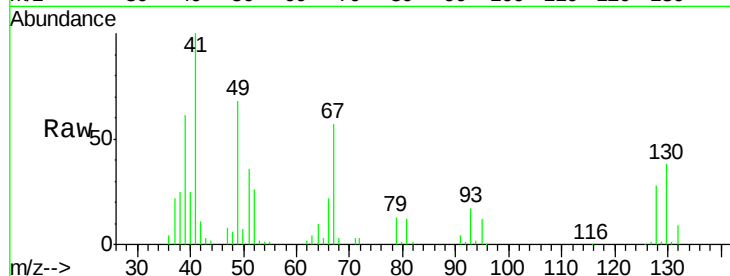
67 69.6 56.9 85.3

52 34.5 27.4 41.2

Manual Integrations
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MMDadoda

9/3/2019 11:52:10 AM



#42

1,2-Dichloroethane

Concen: 52.352 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VN057616.D

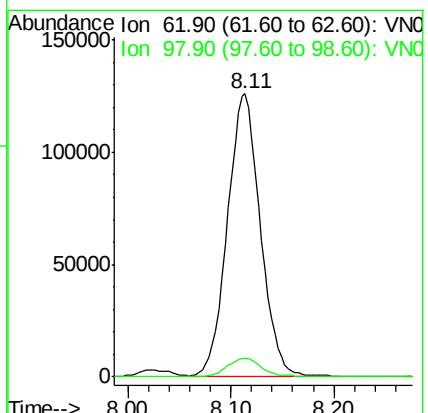
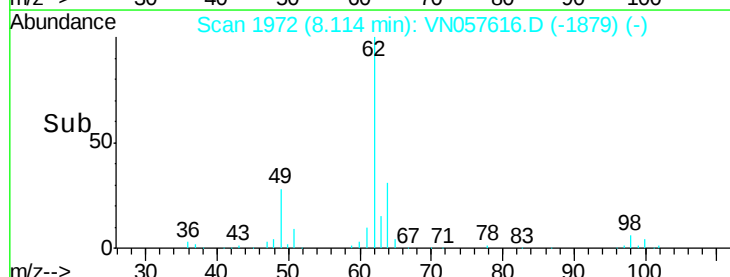
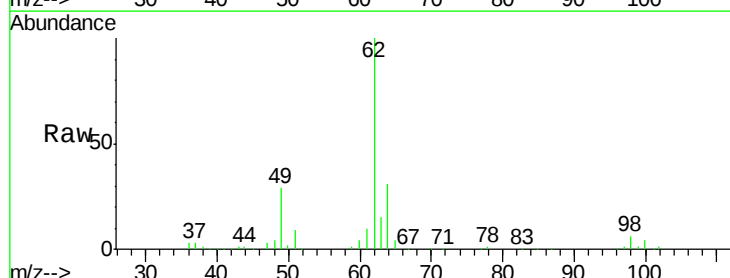
Acq: 31 Aug 2019 15:17

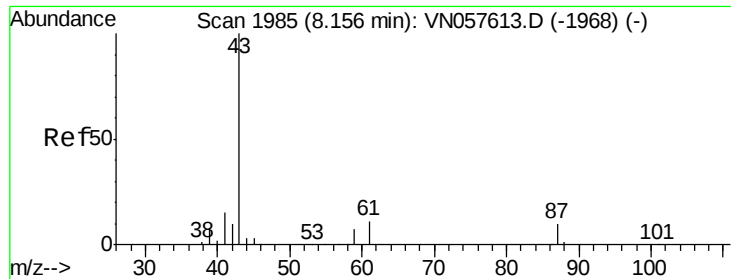
Tgt Ion: 62 Resp: 279124

Ion Ratio Lower Upper

62 100

98 6.9 0.0 14.0





#43

Isopropyl Acetate

Concen: 52.781 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

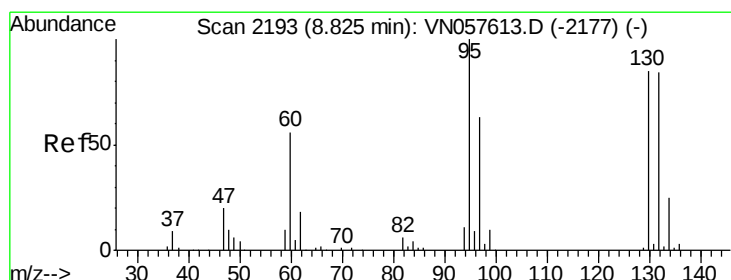
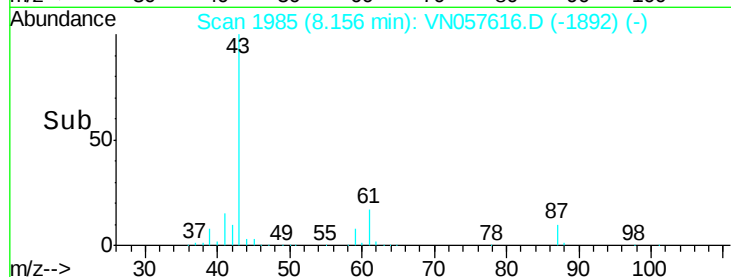
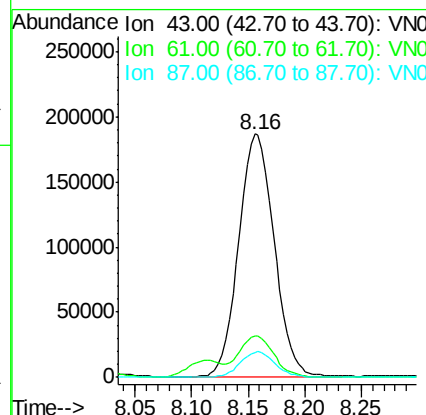
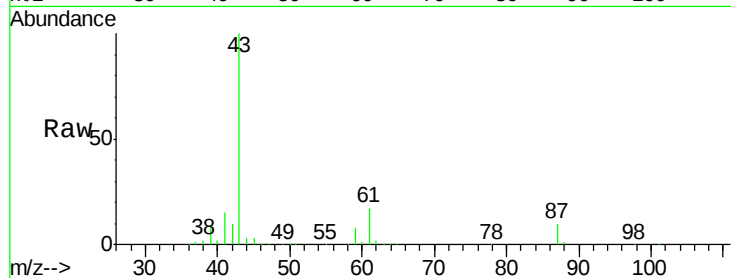
ClientSampleId :

ICVVN090119

Tot Ion:	43	Resp:	407909
Ion	Ratio	Lower	Upper
43	100		
61	16.8	13.1	19.7
87	10.4	8.1	12.1

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#44

Trichloroethene

Concen: 51.590 ug/l

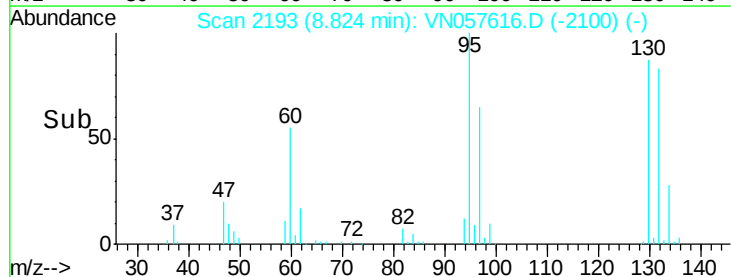
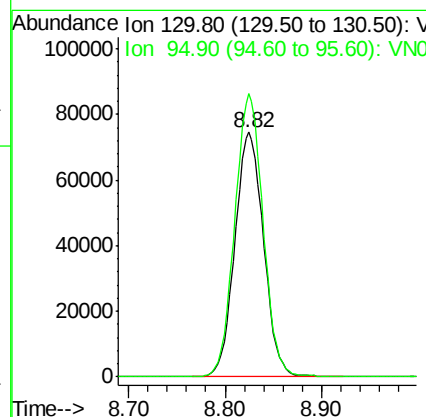
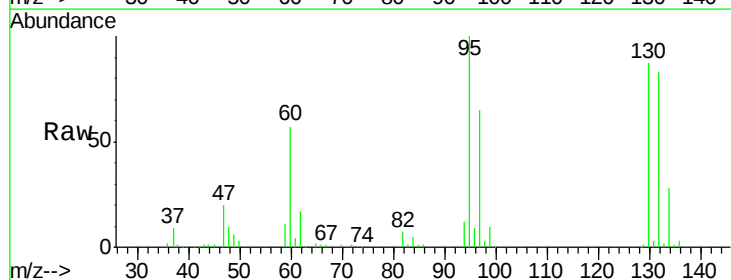
RT: 8.82 min Scan# 2193

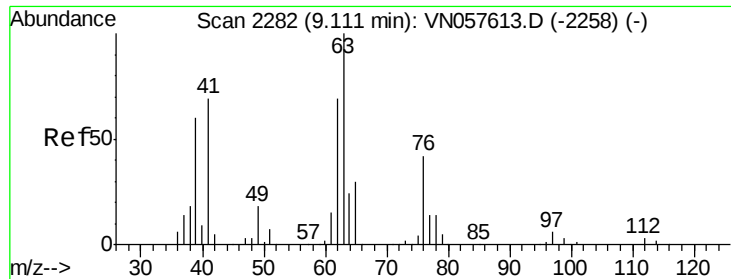
Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Tgt Ion:	130	Resp:	153626
Ion	Ratio	Lower	Upper
130	100		
95	115.6	0.0	234.4





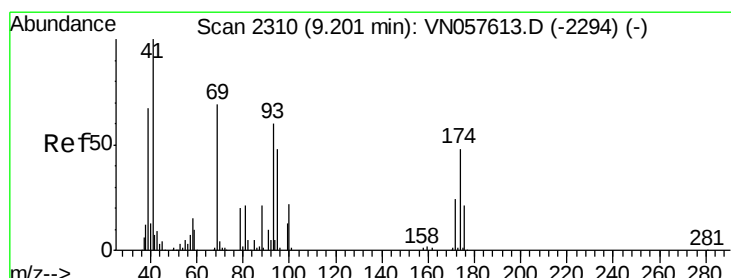
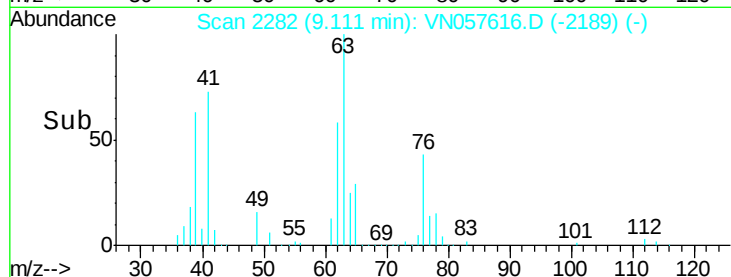
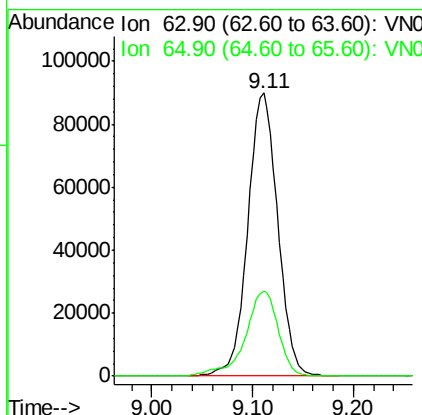
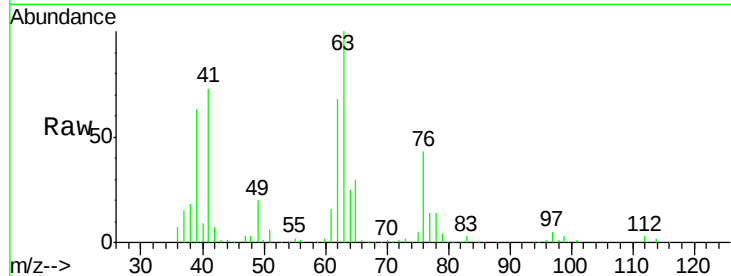
#45
 1,2-Dichloropropane
 Concen: 50.367 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN090119

Tot Ion	63	Resp	184163
Ion Ratio	Lower	Upper	
63	100		
65	29.9	24.4	36.6

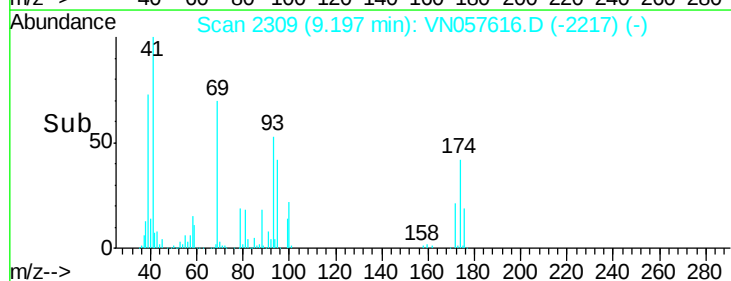
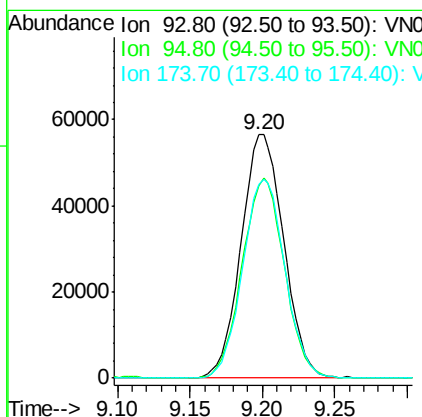
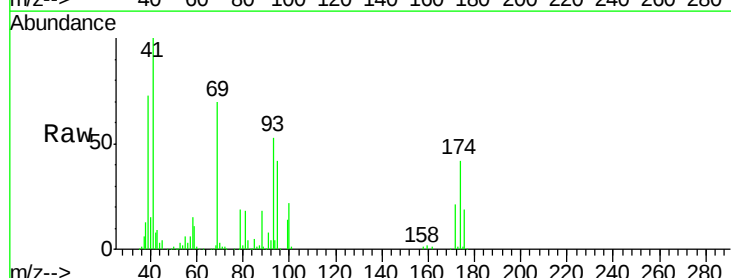
Manual Integrations
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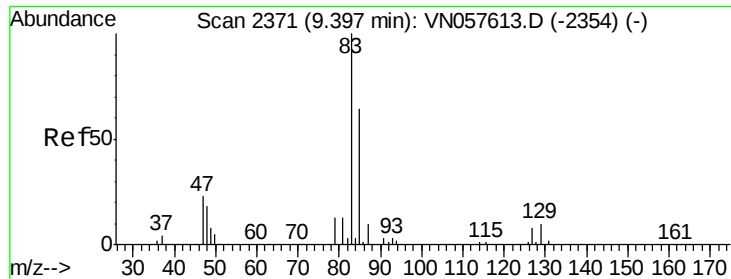
MMDadoda
 9/3/2019 11:52:10 AM



#46
 Dibromomethane
 Concen: 51.146 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Tgt Ion	93	Resp	115789
Ion Ratio	Lower	Upper	
93	100		
95	81.2	65.8	98.6
174	80.8	64.2	96.2





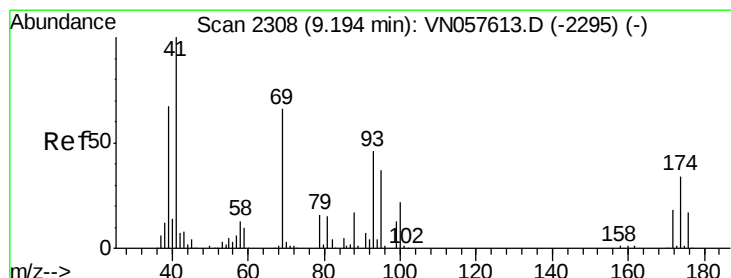
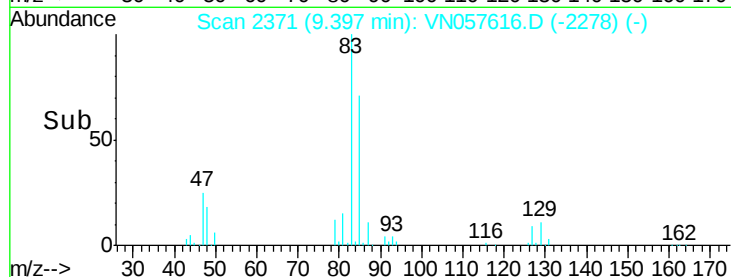
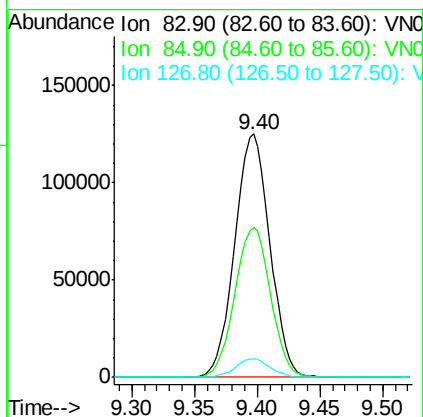
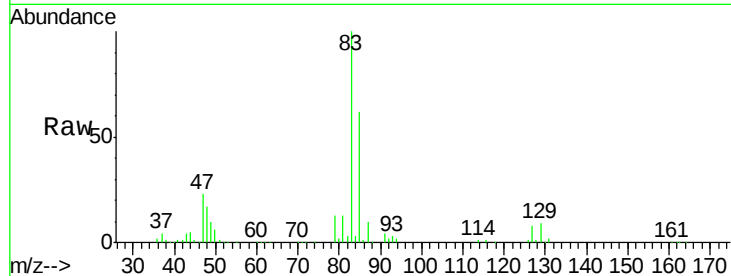
#47
Bromodichloromethane
Concen: 52.980 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090119

Tot Ion	83	Resp	243680
Ion Ratio	100	Lower	Upper
83	100		
85	61.9	51.4	77.0
127	7.6	6.1	9.1

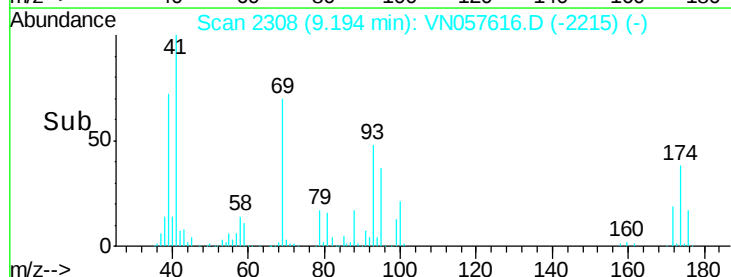
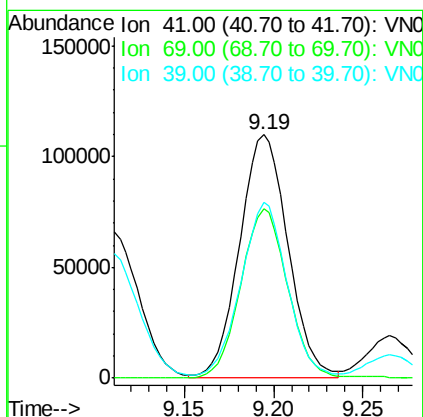
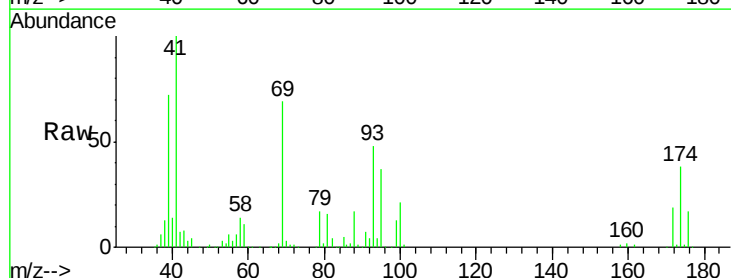
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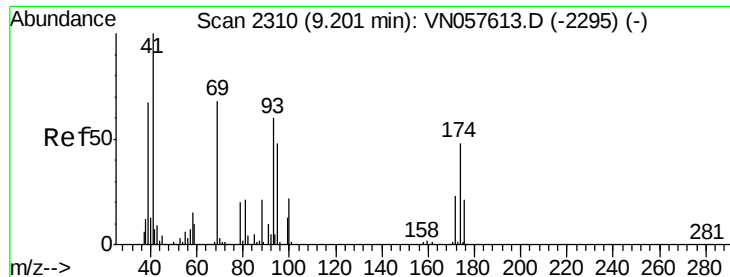
MMDadoda
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#48
Methyl methacrylate
Concen: 52.577 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Tgt Ion	41	Resp	207454
Ion Ratio	100	Lower	Upper
41	100		
69	68.2	55.1	82.7
39	69.4	55.4	83.2





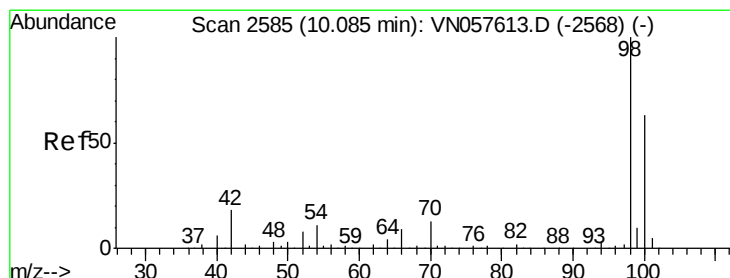
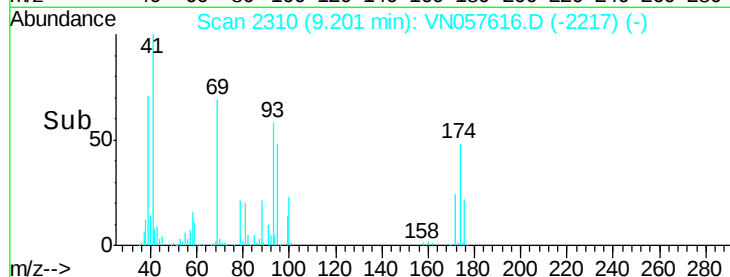
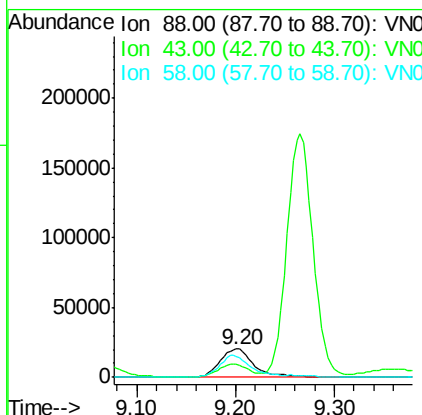
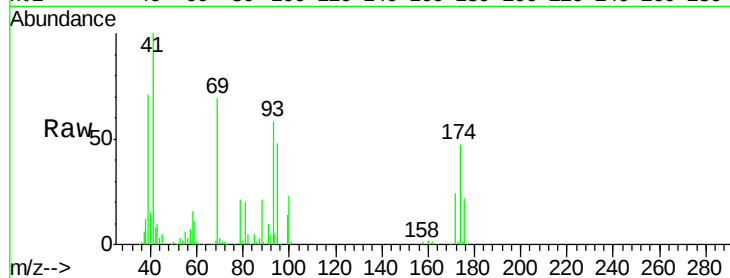
#49
1,4-Dioxane
Concen: 1069.743 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090119

Tot Ion	88	Resp	49426
Ion	Ratio	Lower	Upper
88	100		
43	39.7	35.0	52.4
58	72.2	61.6	92.4

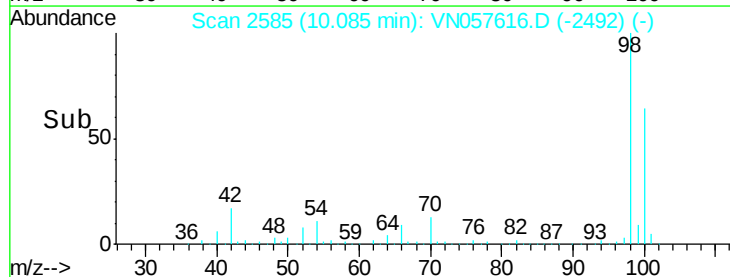
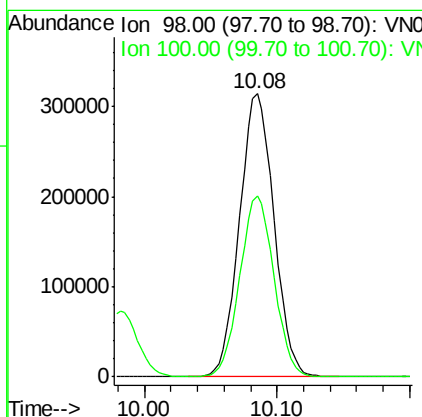
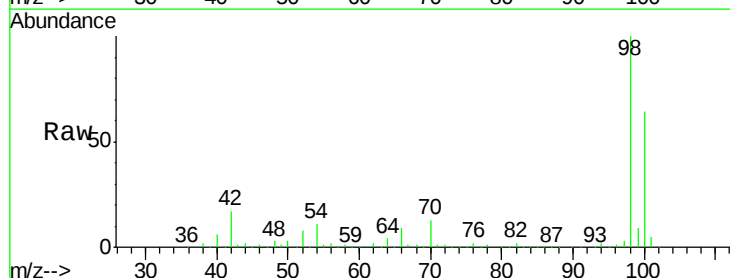
Manual Integrations
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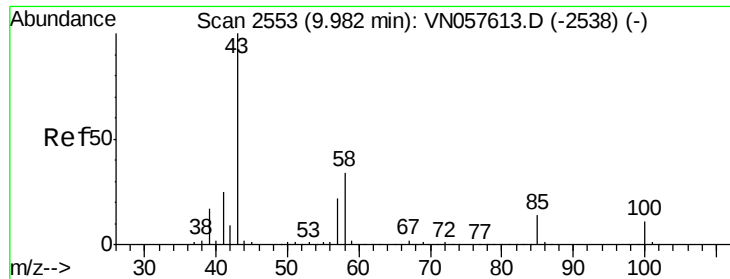
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#50
Toluene-d8
Concen: 49.752 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Tgt Ion	98	Resp	567361
Ion	Ratio	Lower	Upper
98	100		
100	63.1	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 271.154 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090119

Tot Ion: 43 Resp: 1201057

Ion Ratio Lower Upper

43 100

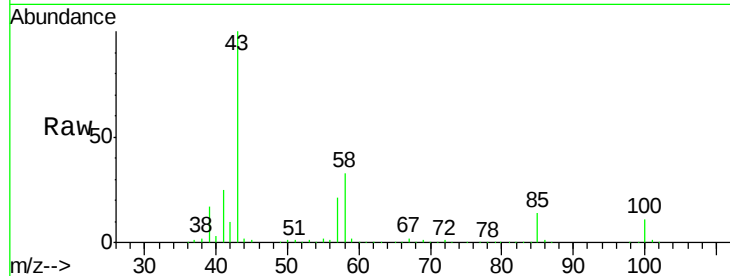
58 33.2 26.9 40.3

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

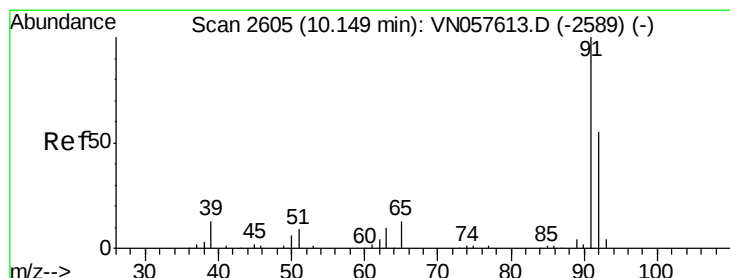
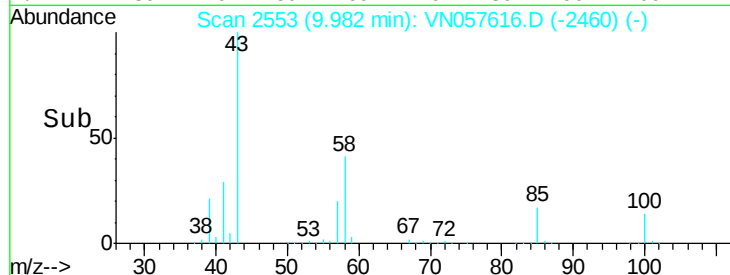
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.401 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057616.D

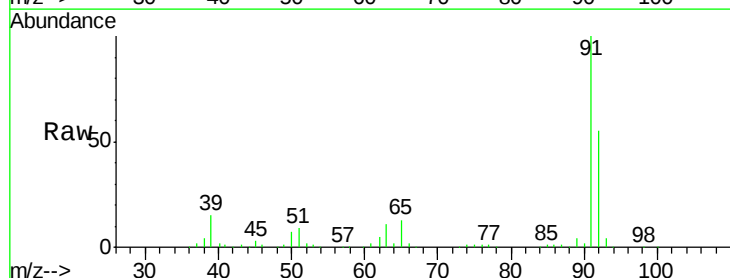
Acq: 31 Aug 2019 15:17

Tgt Ion: 92 Resp: 398787

Ion Ratio Lower Upper

92 100

91 177.6 143.8 215.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

400000

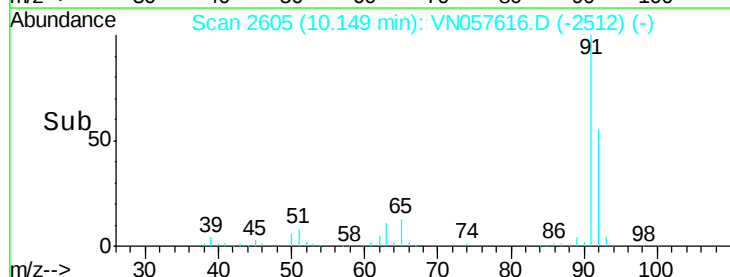
300000

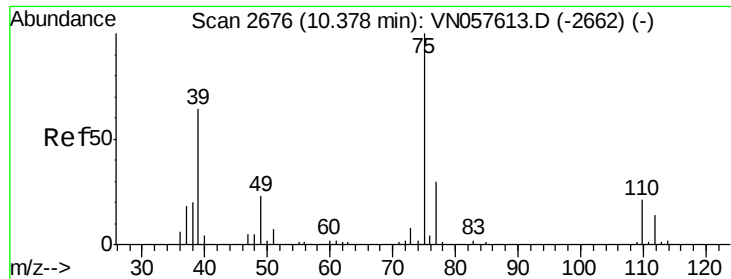
200000

100000

0

Time-->





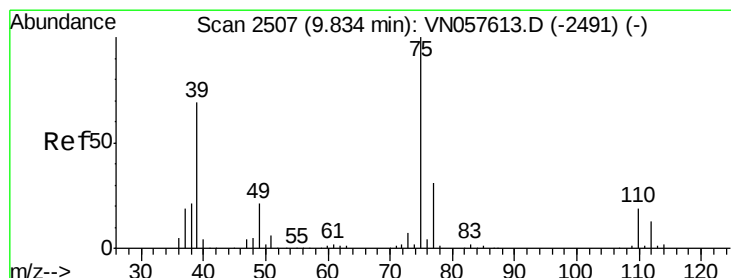
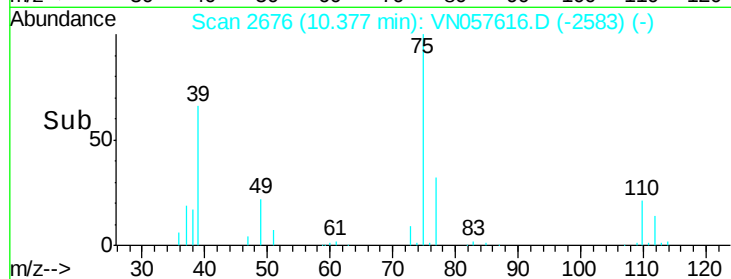
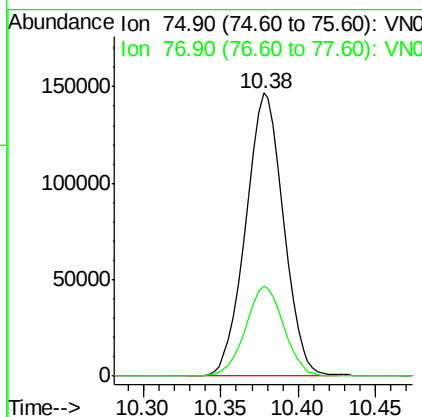
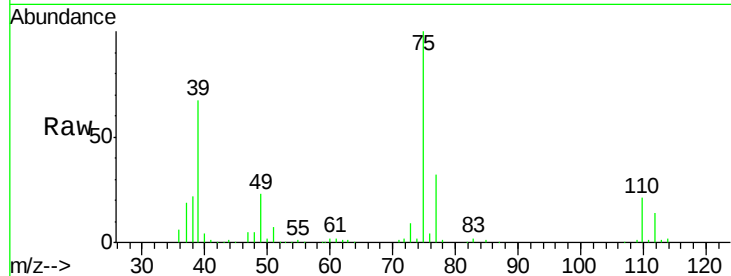
#53
t-1,3-Dichloropropene
Concen: 48.796 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090119

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.1	36.1

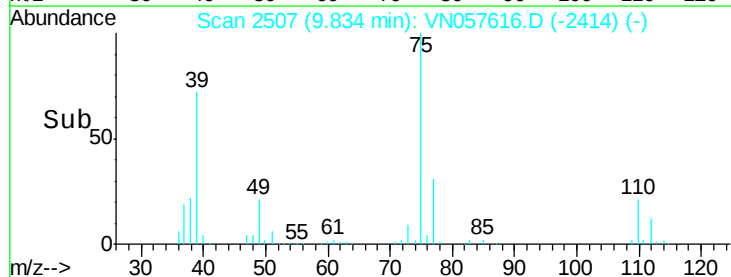
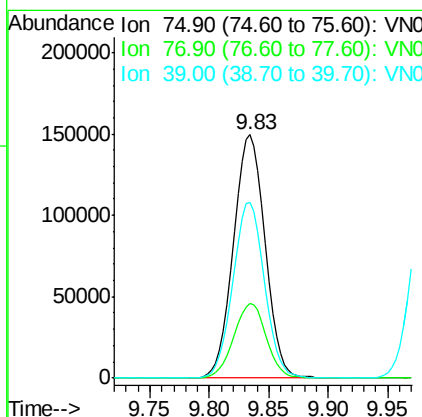
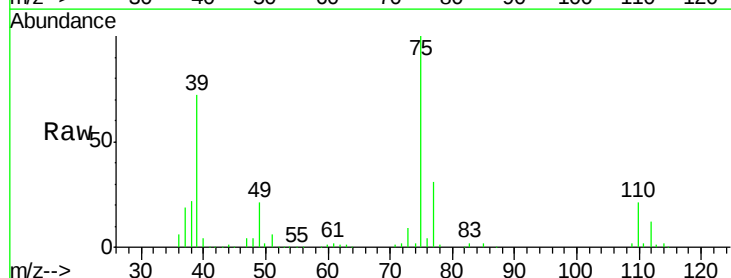
Manual Integrations
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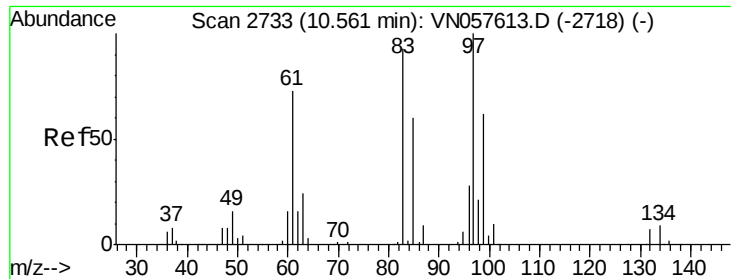
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#54
cis-1,3-Dichloropropene
Concen: 48.964 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.8	37.2
39	72.2	55.0	82.4





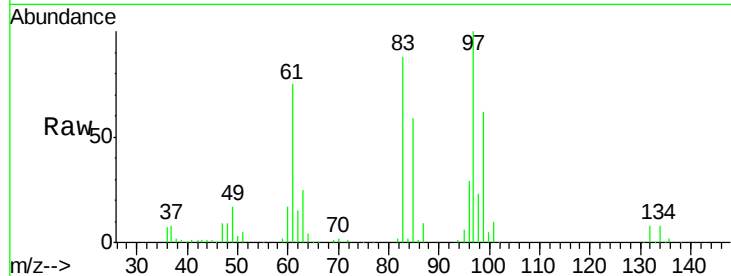
#55
1,1,2-Trichloroethane
Concen: 51.997 ug/l
RT: 10.56 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Instrument :
MSVOA_N
ClientSampled :
ICVVN090119

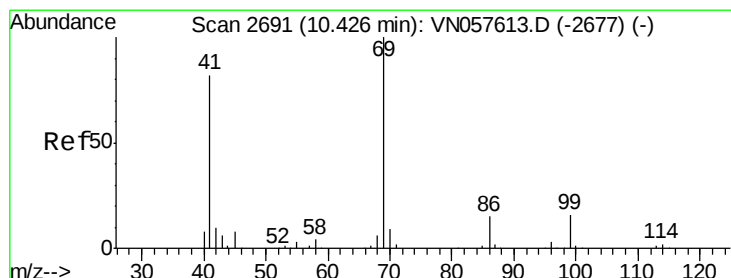
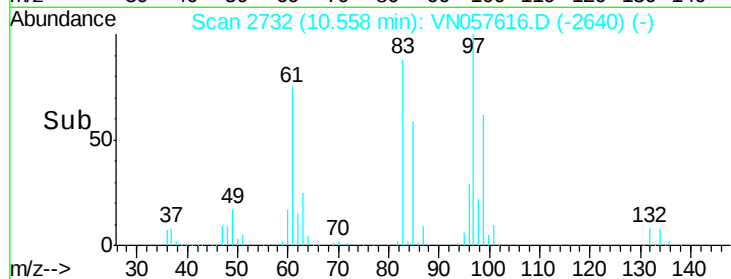
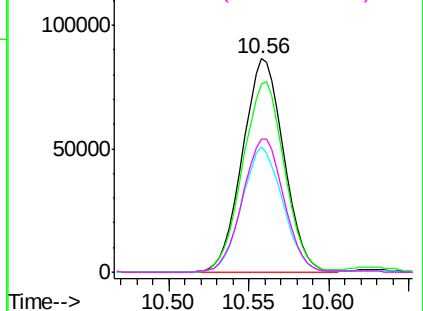
Tot Ion:	97	Resp:	153056
Ion	Ratio	Lower	Upper
97	100		
83	88.0	74.2	111.2
85	58.7	47.8	71.8
99	62.5	49.3	73.9

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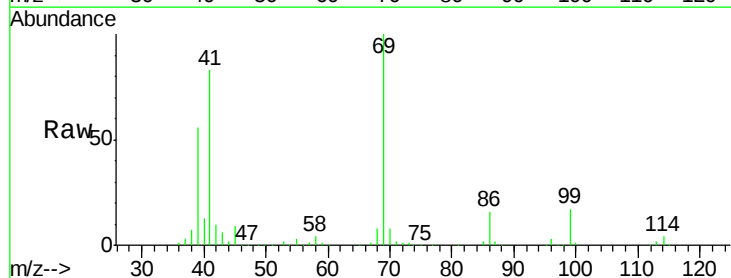


Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 98.90 (98.60 to 99.60): VN0

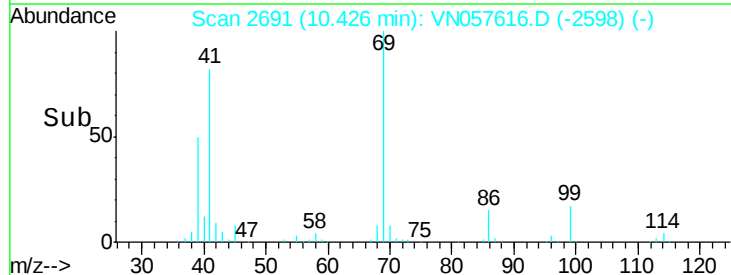
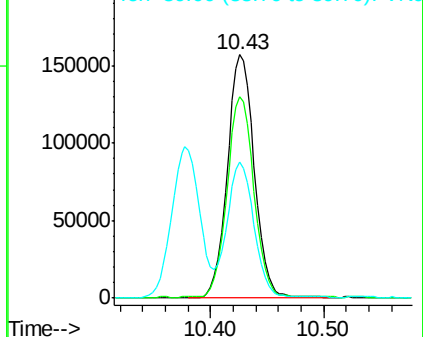


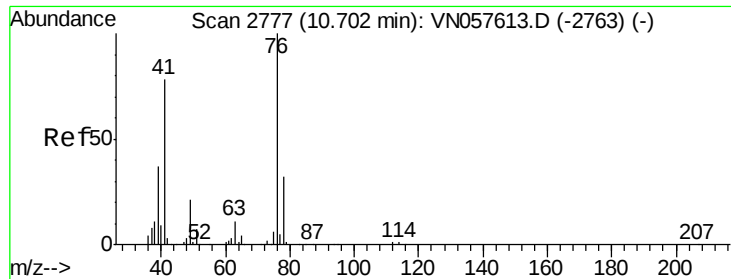
#56
Ethyl methacrylate
Concen: 52.931 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Tgt Ion:	69	Resp:	260007
Ion	Ratio	Lower	Upper
69	100		
41	81.5	65.8	98.6
39	54.9	43.8	65.8



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





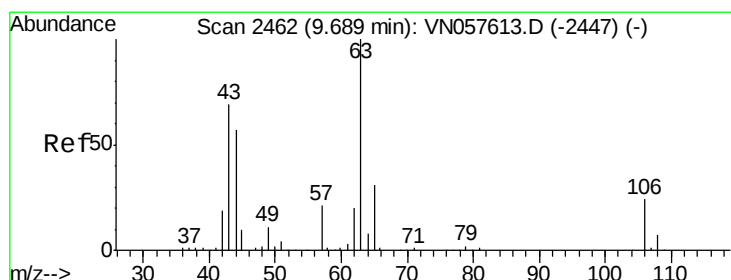
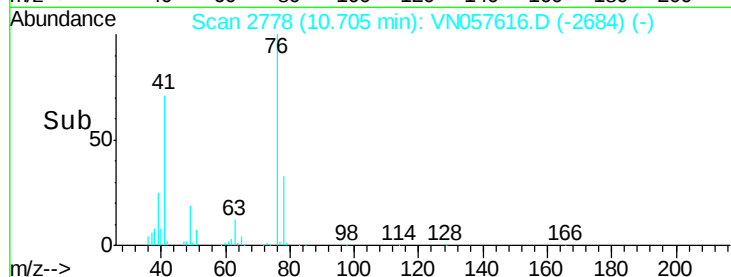
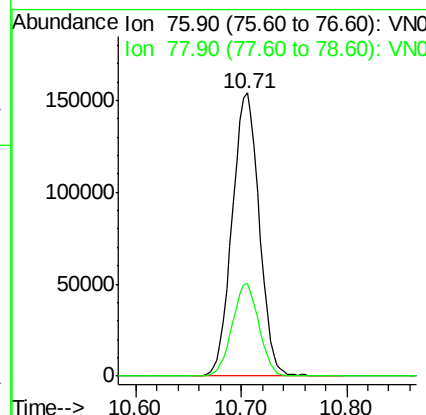
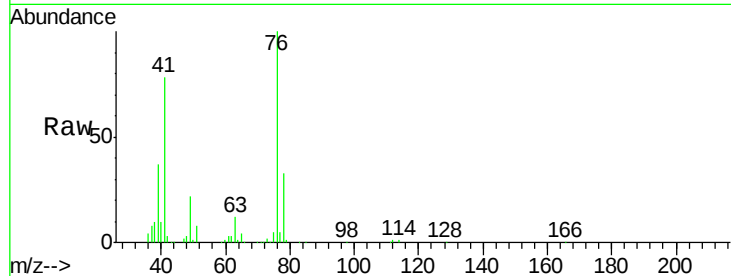
#57
 1,3-Dichloropropane
 Concen: 50.579 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN090119

Tot Ion: 76 Resp: 273154
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.4 38.2

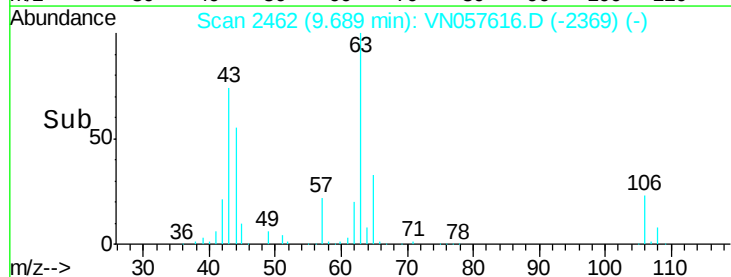
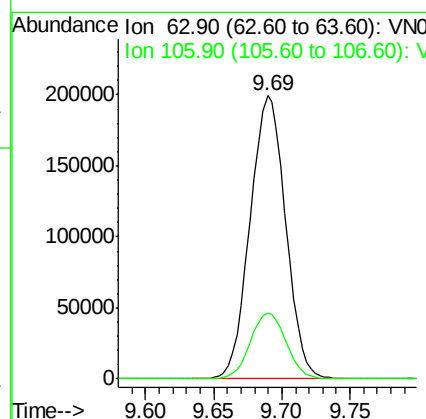
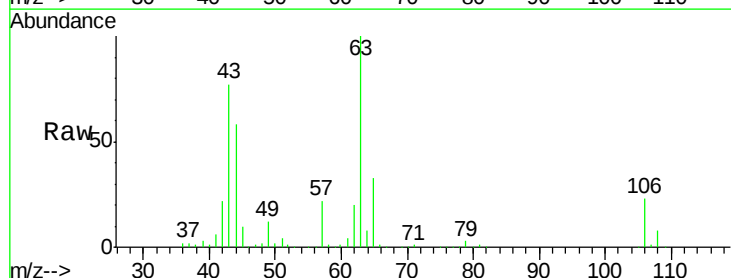
Manual Integrations
 APPROVED

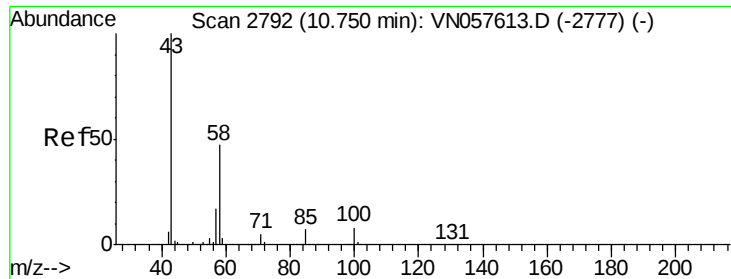
MMDadoda
 9/3/2019 11:52:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.112 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Tgt Ion: 63 Resp: 360884
 Ion Ratio Lower Upper
 63 100
 106 23.4 18.3 27.5





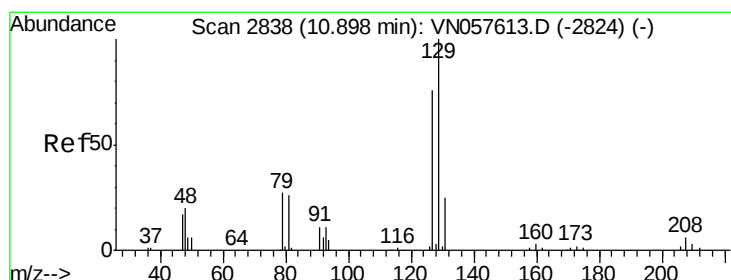
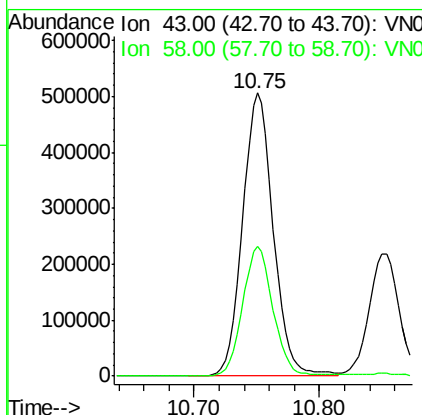
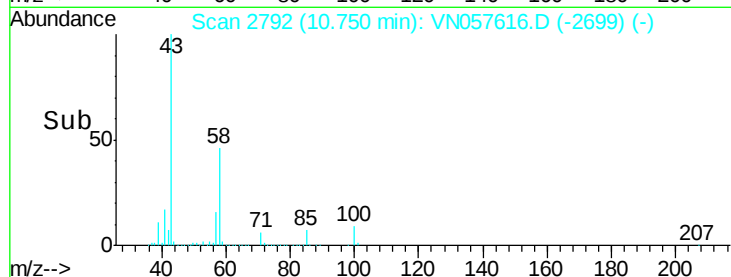
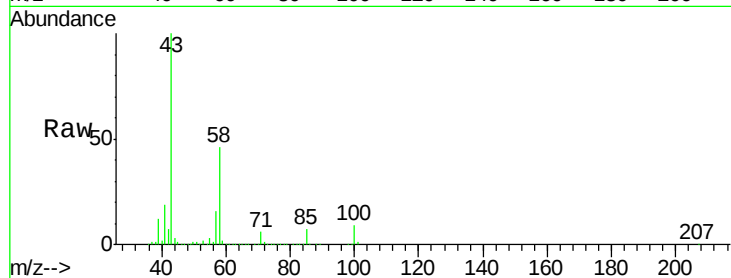
#59
2-Hexanone
Concen: 263.634 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Instrument :
MSVOA_N
ClientSampled :
ICVVN090119

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.0	23.5	70.5

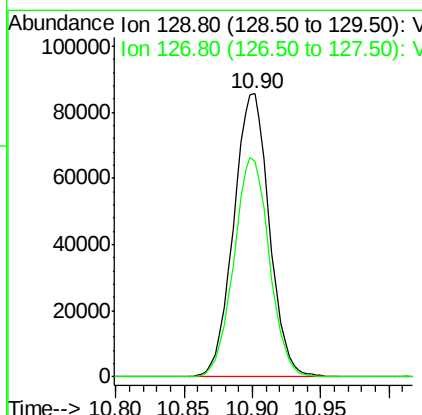
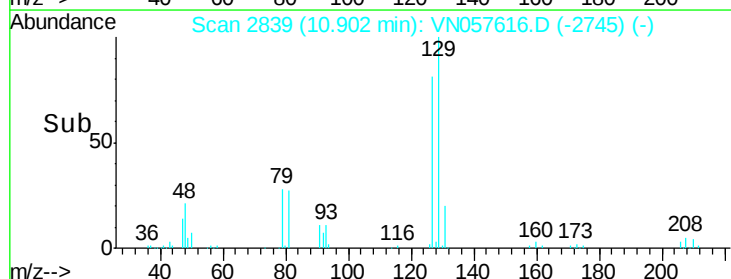
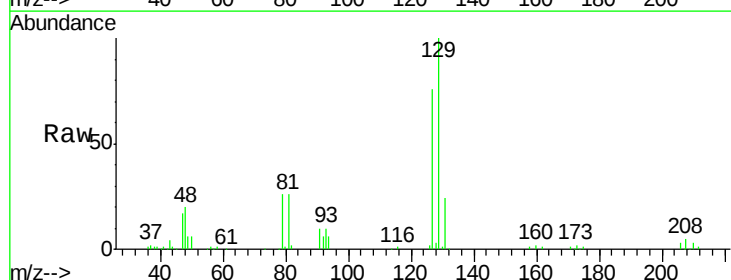
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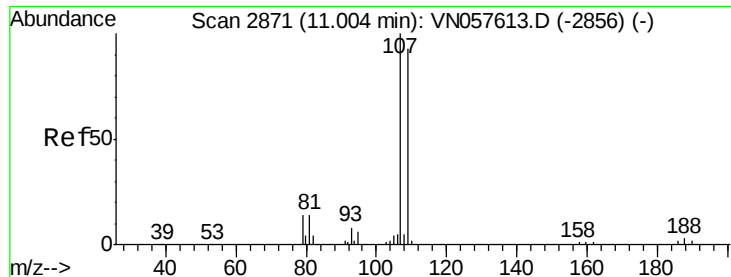
MMDadoda
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#60
Dibromochloromethane
Concen: 48.282 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.3	114.8





#61

1,2-Dibromoethane

Concen: 52.723 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

ClientSampled :

ICVVN090119

Tot Ion:107 Resp: 156266

Ion Ratio Lower Upper

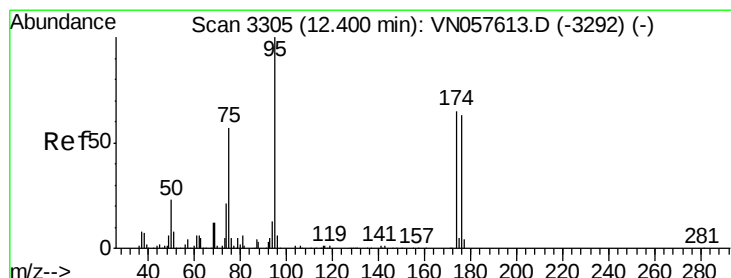
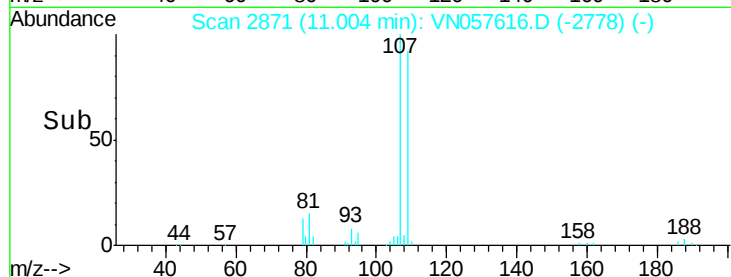
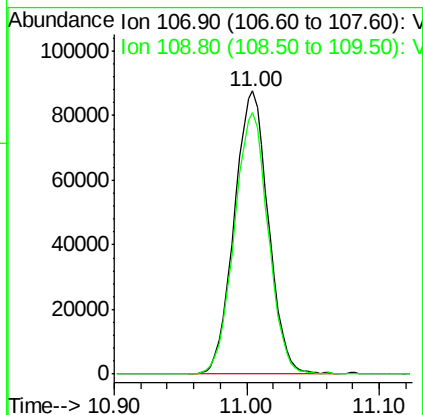
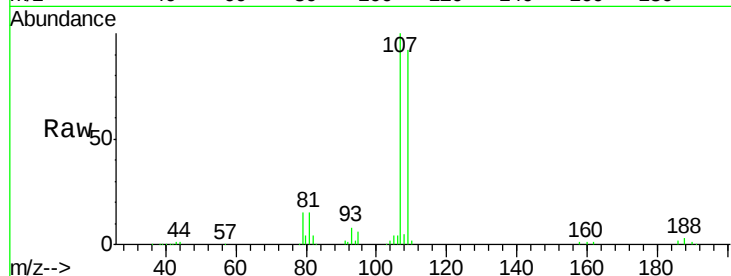
107 100

109 91.7 75.0 112.4

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#62

4-Bromofluorobenzene

Concen: 48.434 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

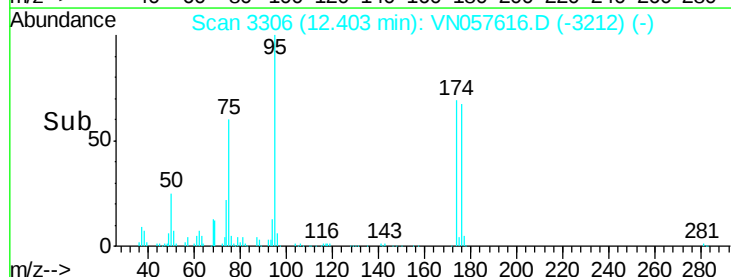
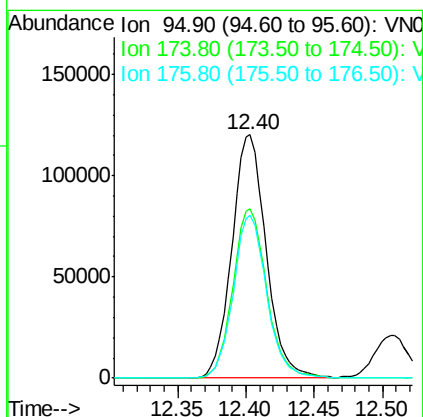
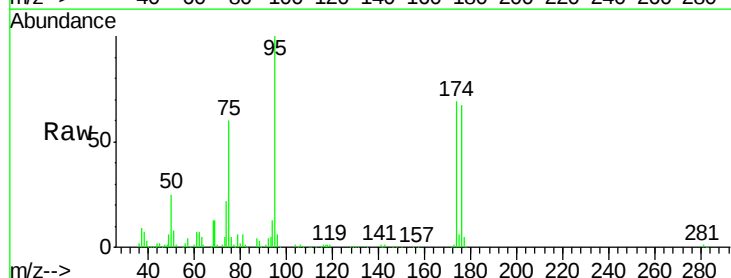
Tgt Ion: 95 Resp: 210032

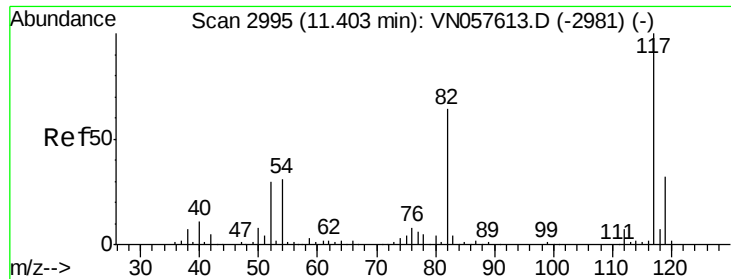
Ion Ratio Lower Upper

95 100

174 68.7 0.0 134.8

176 65.4 0.0 131.6





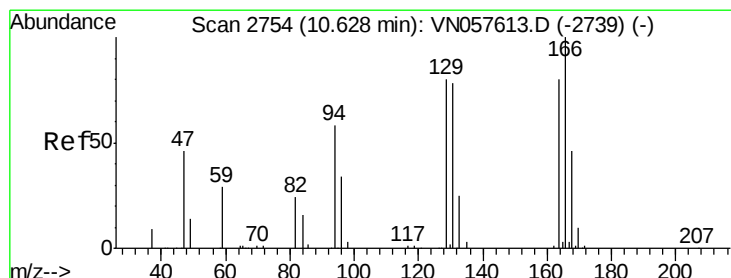
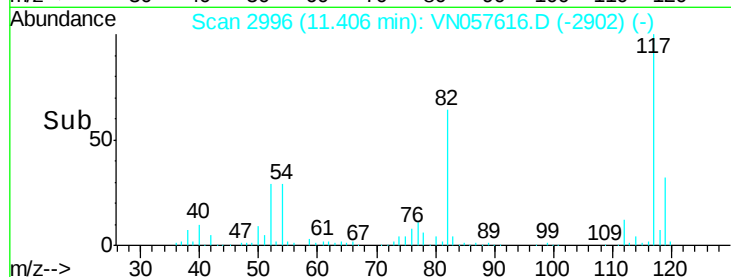
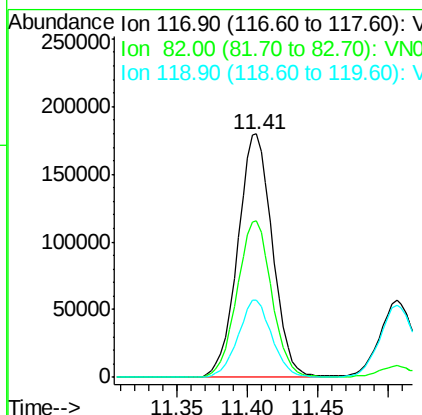
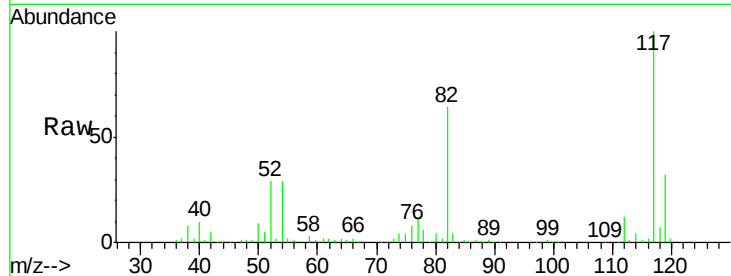
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090119

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.3	51.6	77.4
119	31.9	25.8	38.6

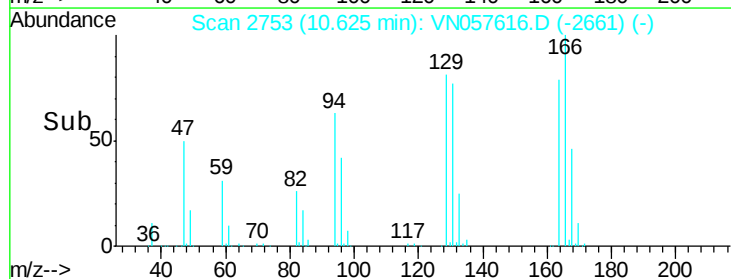
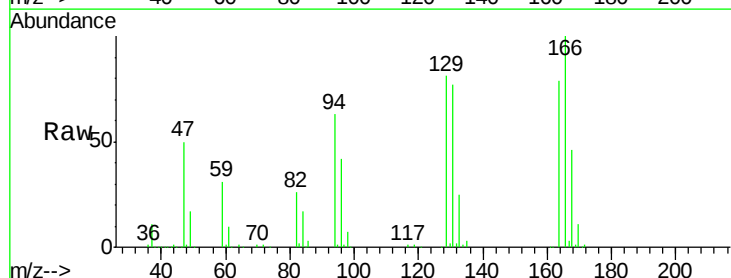
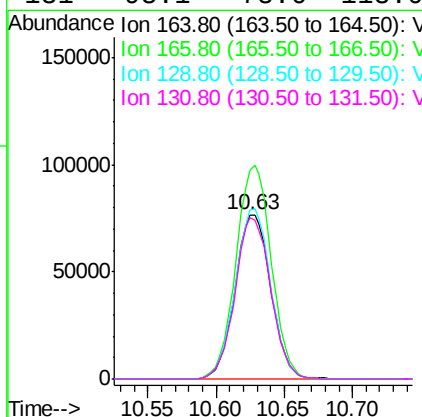
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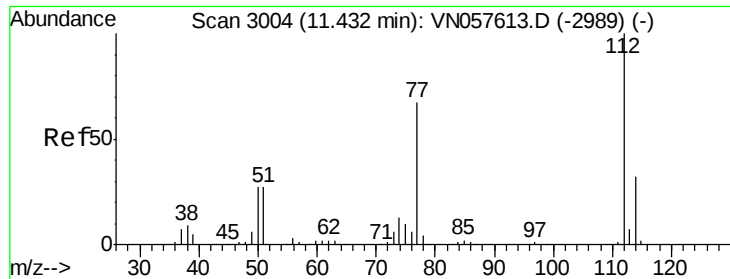
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#64
Tetrachloroethene
Concen: 52.245 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	100.6	151.0
129	103.0	80.4	120.6
131	98.1	78.6	118.0





#65

Chlorobenzene

Concen: 52.279 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

ClientSampled :

ICVVN090119

Tot Ion:112 Resp: 405578

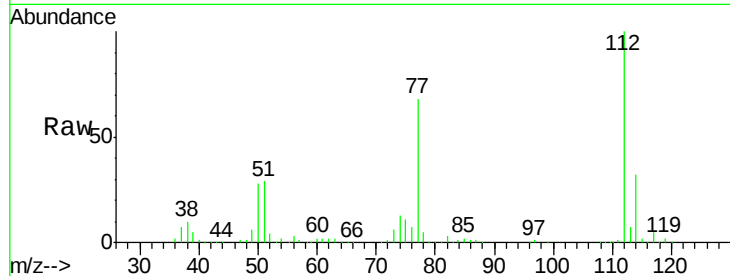
Ion Ratio Lower Upper

112 100

114 31.8 25.3 37.9

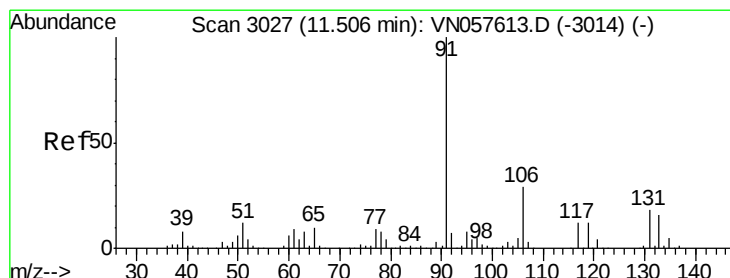
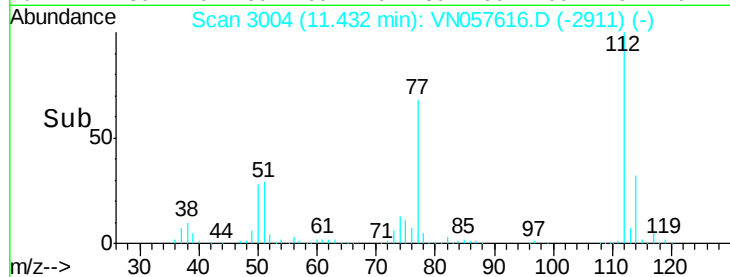
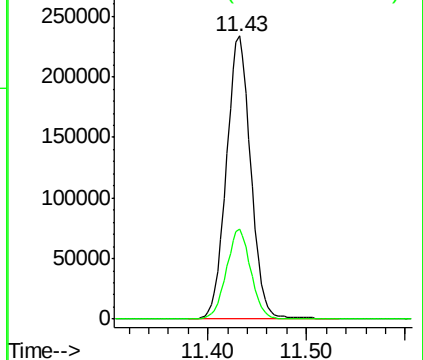
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.855 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

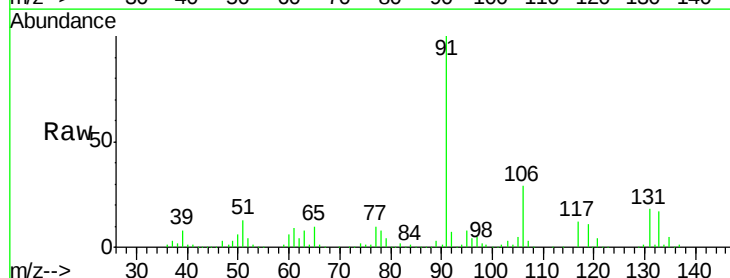
Tgt Ion:131 Resp: 143010

Ion Ratio Lower Upper

131 100

133 95.9 47.8 143.4

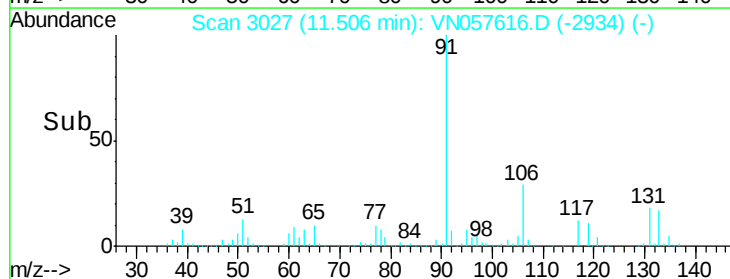
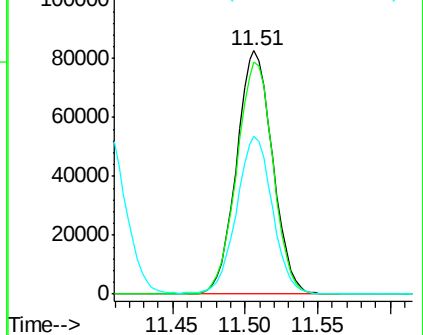
119 64.5 33.9 101.6

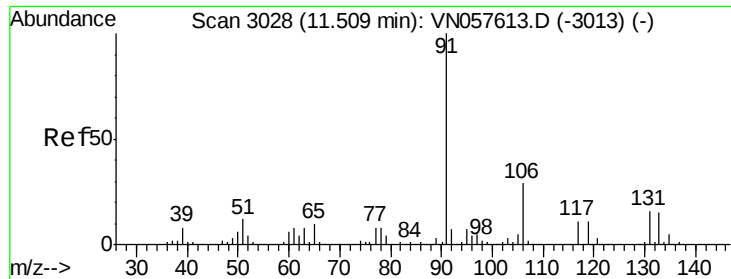


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 53.231 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

ClientSampled :

ICVVN090119

Tot Ion: 91 Resp: 802394

Ion Ratio Lower Upper

91 100

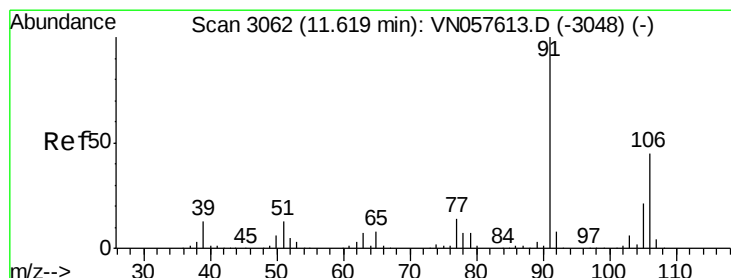
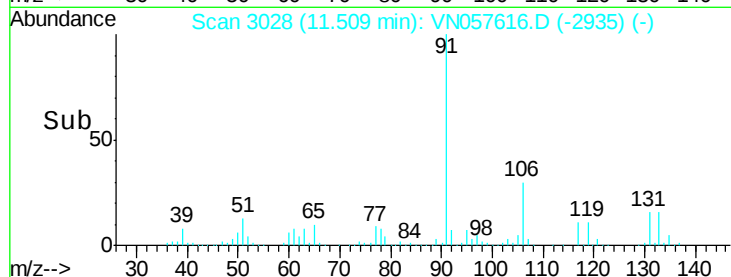
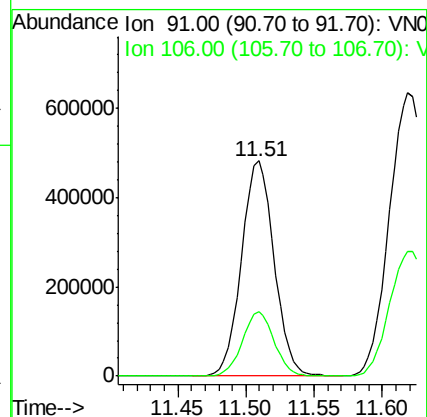
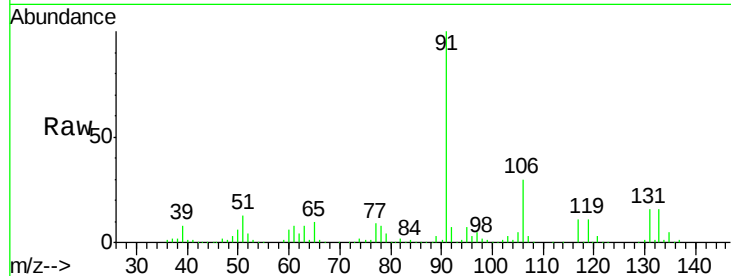
106 29.7 22.9 34.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 105.144 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057616.D

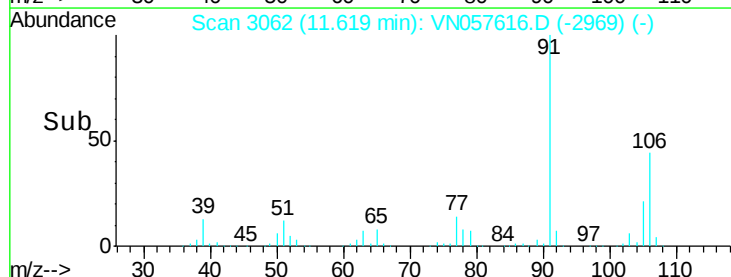
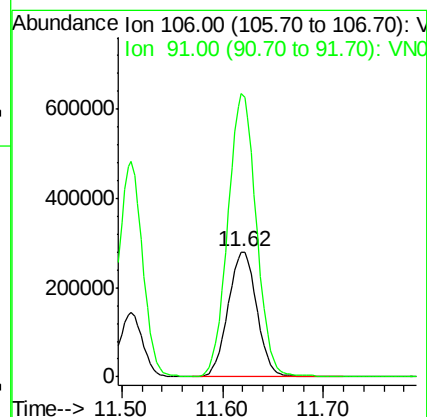
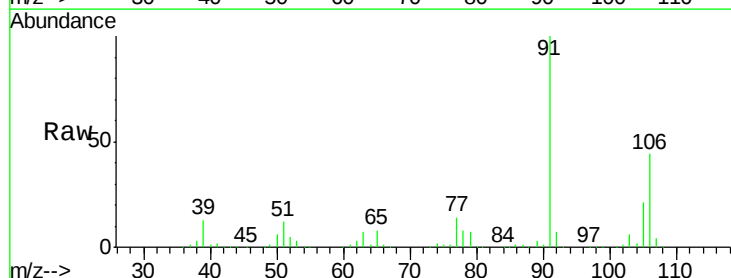
Acq: 31 Aug 2019 15:17

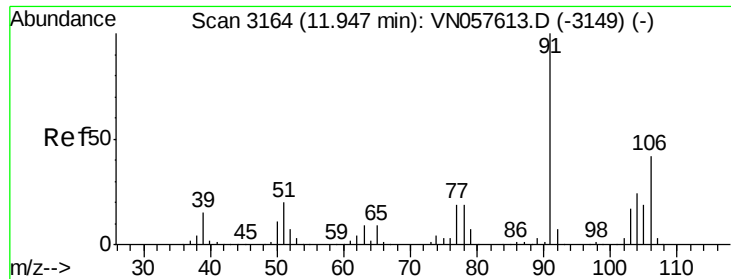
Tgt Ion: 106 Resp: 558362

Ion Ratio Lower Upper

106 100

91 224.3 176.2 264.2





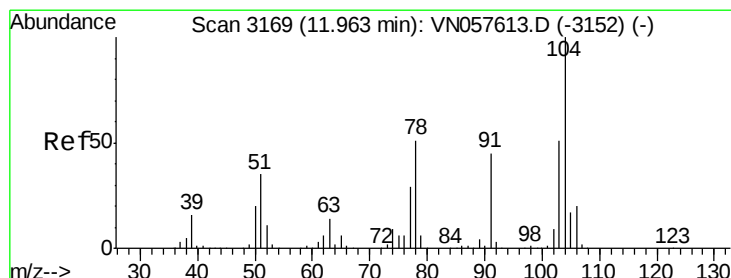
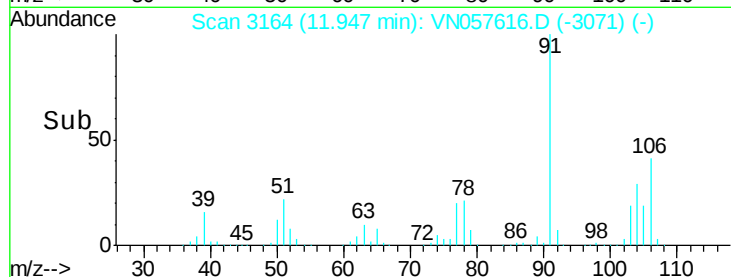
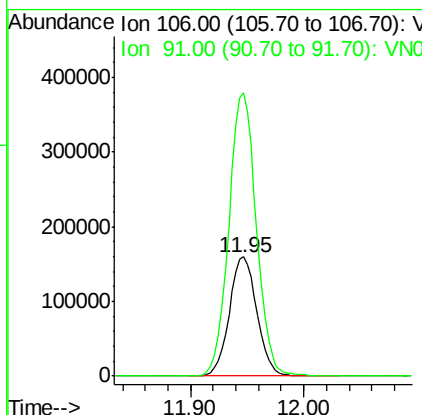
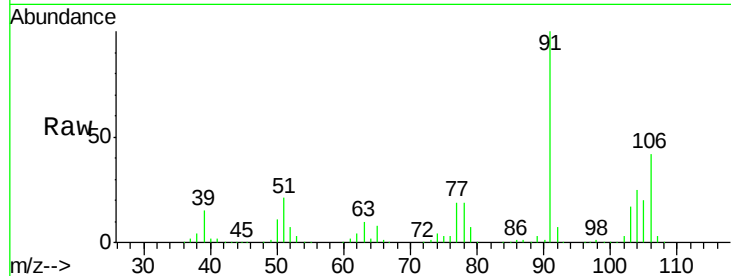
#69
o-Xylene
Concen: 52.488 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		270128		
91	237.1	117.3	351.8		

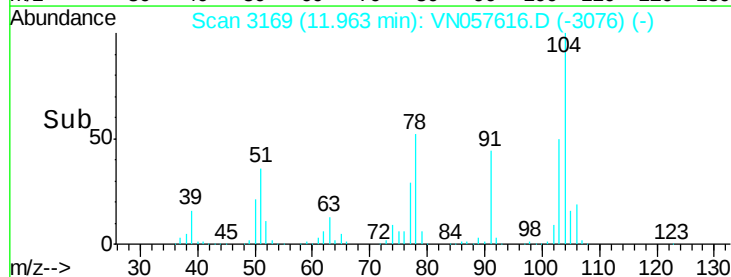
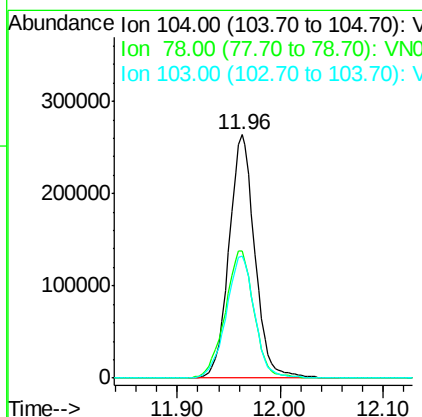
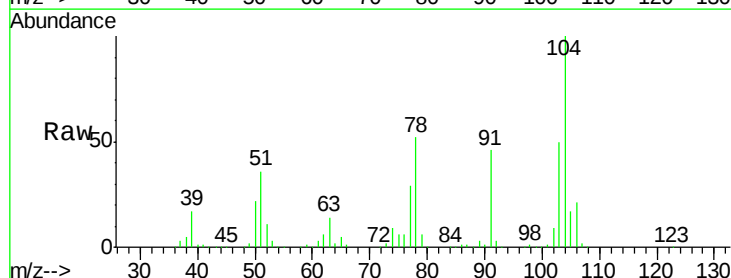
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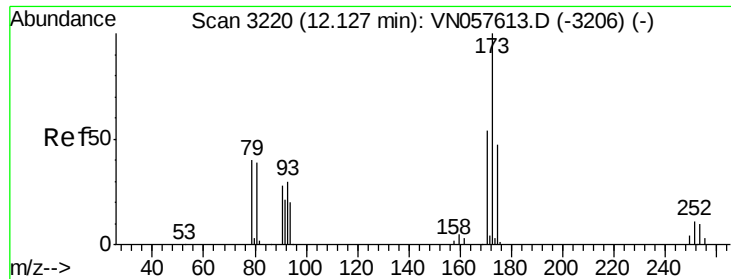
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#70
Styrene
Concen: 49.682 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		460014		
78	58.7	46.6	70.0		
103	55.3	44.7	67.1		





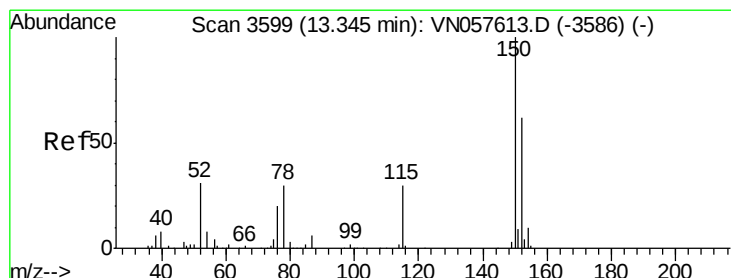
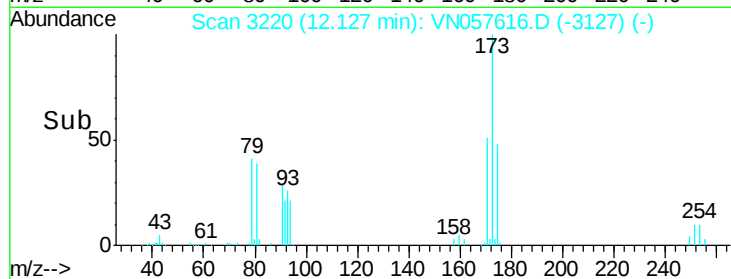
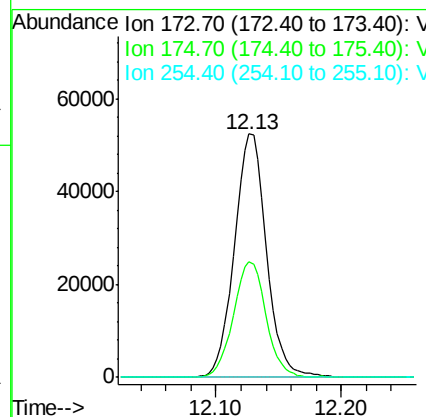
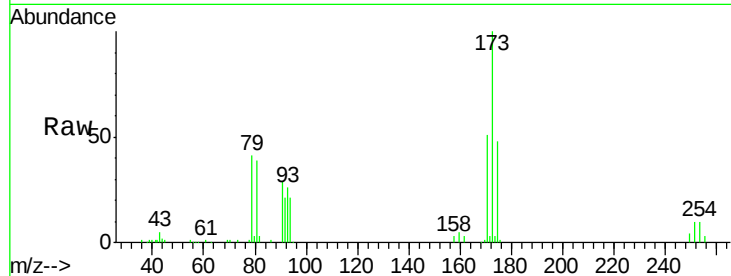
#71
Bromoform
Concen: 46.728 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090119

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.4	73.4
254	0.0	0.0	0.0

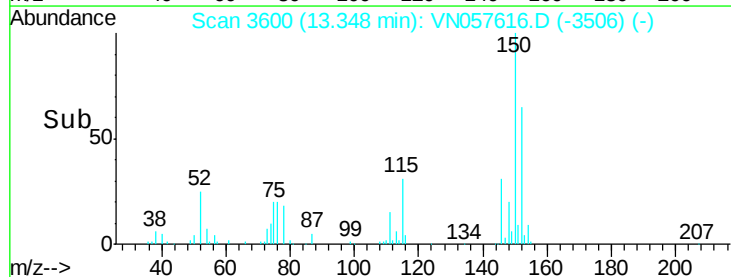
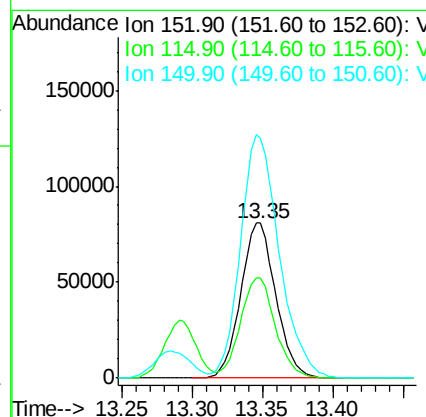
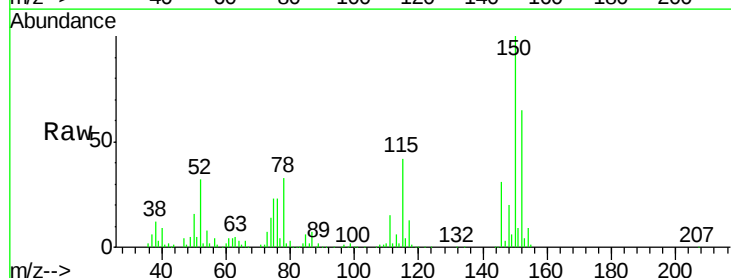
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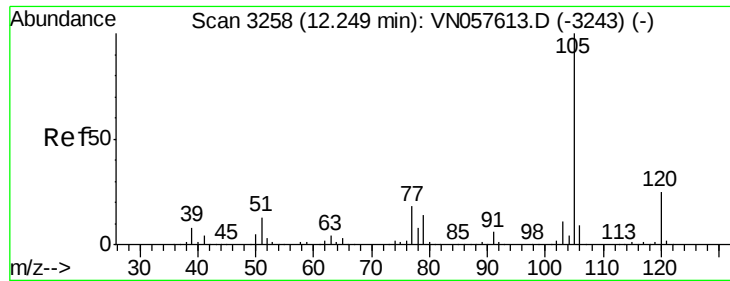
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	33.2	99.6
150	173.4	0.0	365.2





#73

Isopropylbenzene

Concen: 53.776 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

ClientSampled :

ICVVN090119

Tot Ion: 105 Resp: 764426

Ion Ratio Lower Upper

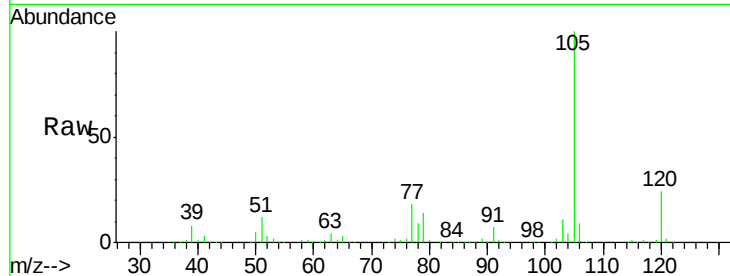
105 100

120 24.3 12.7 38.1

Manual Integrations
APPROVED

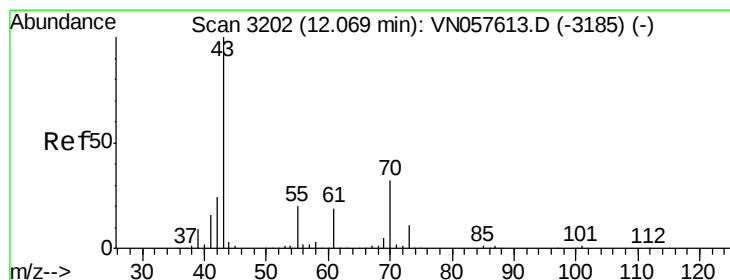
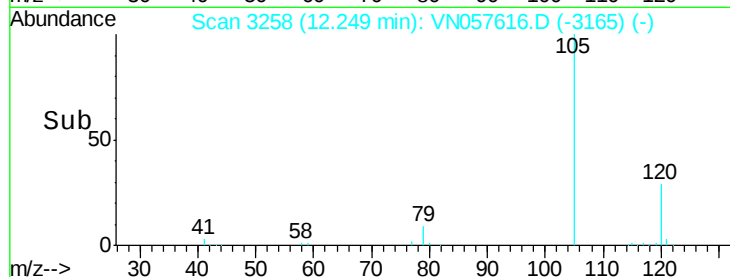
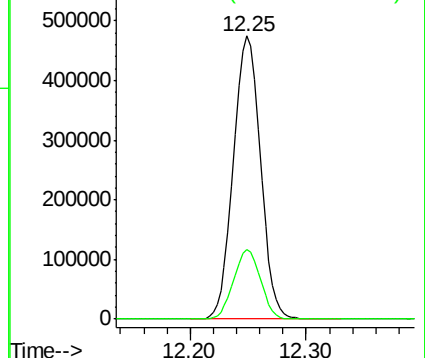
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.319 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Tgt Ion: 43 Resp: 364405

Ion Ratio Lower Upper

43 100

70 32.9 26.9 40.3

55 20.9 16.8 25.2

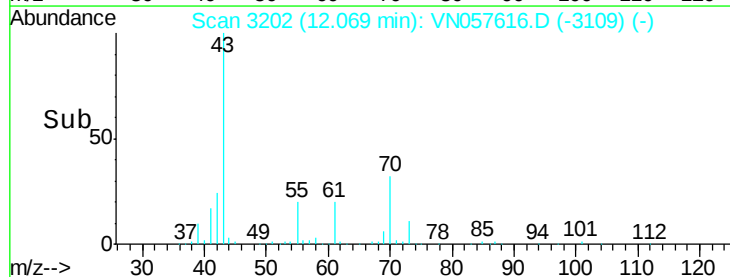
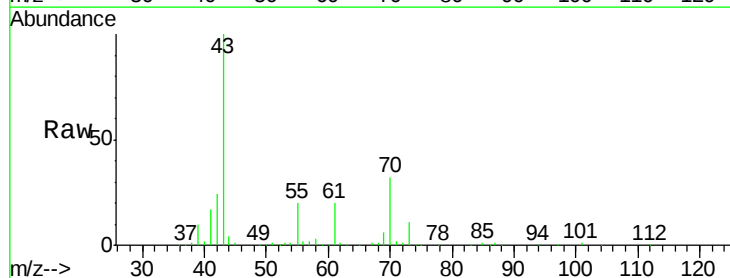
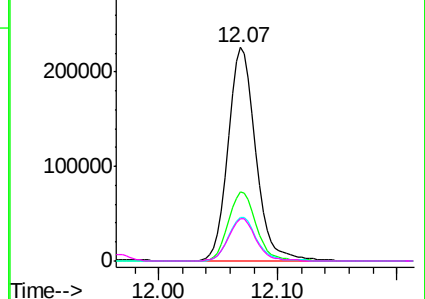
61 19.9 15.1 22.7

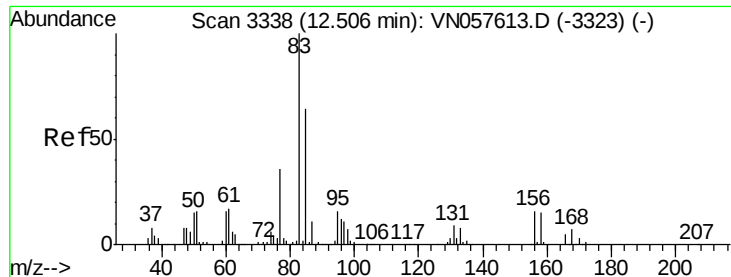
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.736 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

ClientSampleId :

ICVVN090119

Tot Ion: 83 Resp: 208372
Ion Ratio Lower Upper

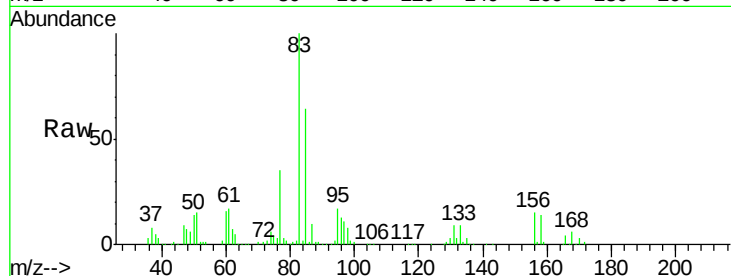
83 100

131 9.3 4.5 13.7

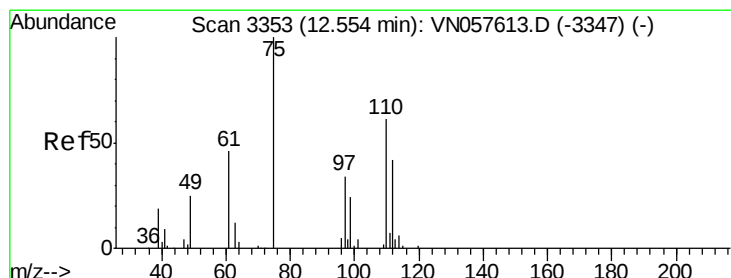
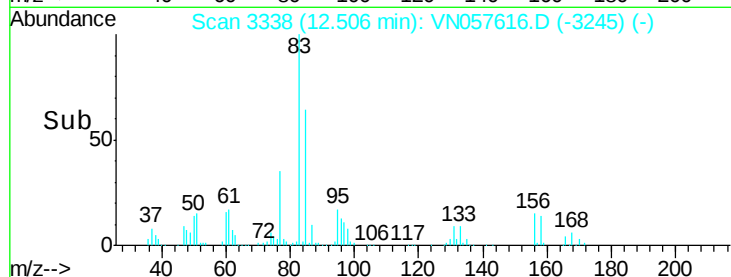
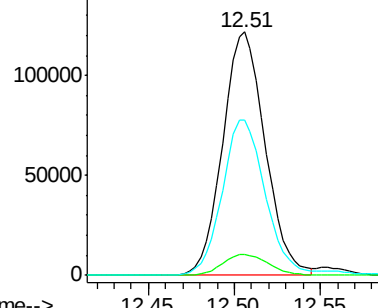
85 64.6 31.3 93.8

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 51.599 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

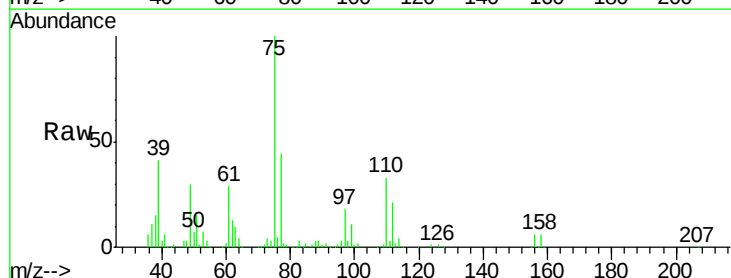
Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

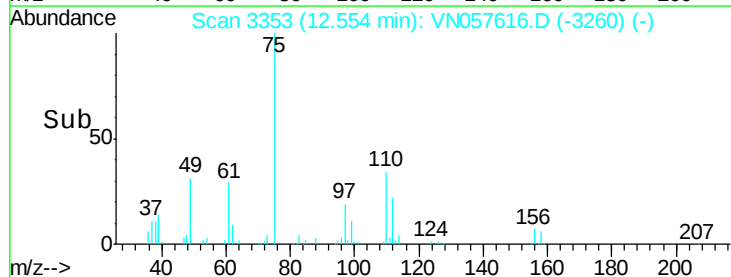
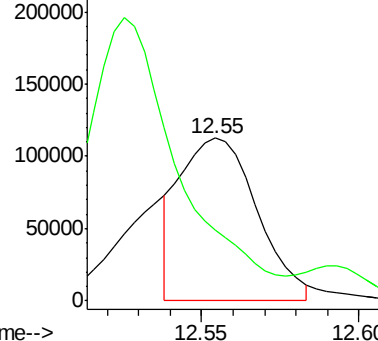
Tgt Ion: 75 Resp: 191098
Ion Ratio Lower Upper

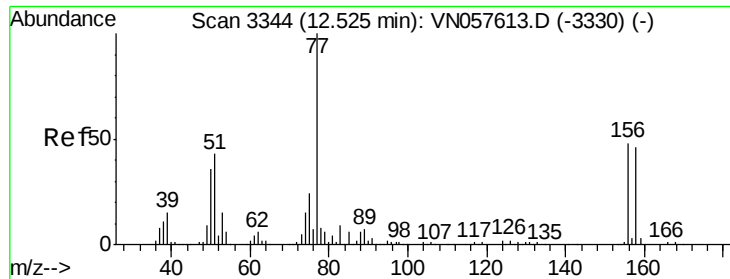
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 54.114 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

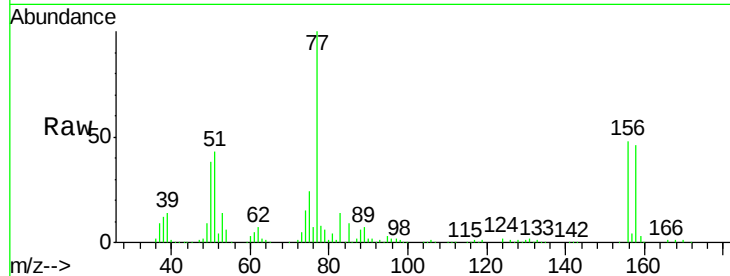
ClientSampled :

ICVVN090119

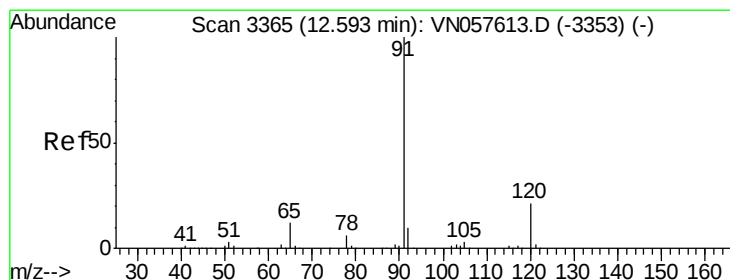
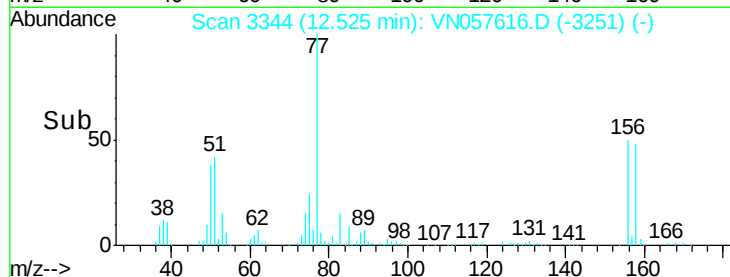
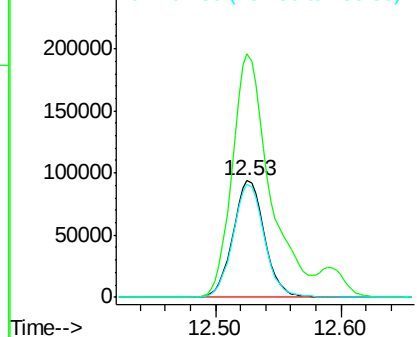
Tot Ion:	156	Resp:	163722
Ion Ratio	Lower	Upper	
156	100		
77	246.9	123.5	370.5
158	96.2	47.8	143.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VNO
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.548 ug/l

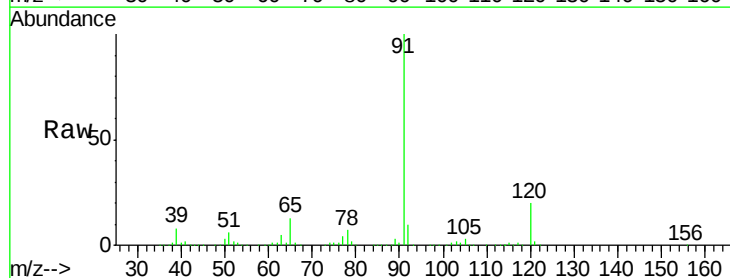
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

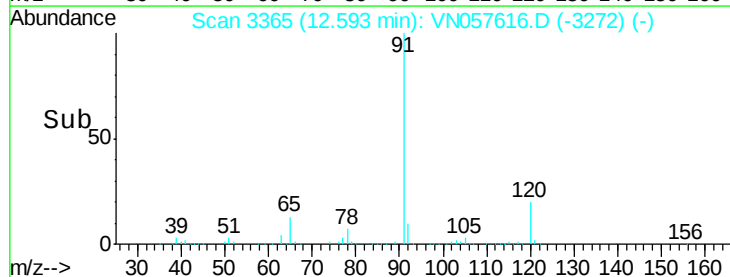
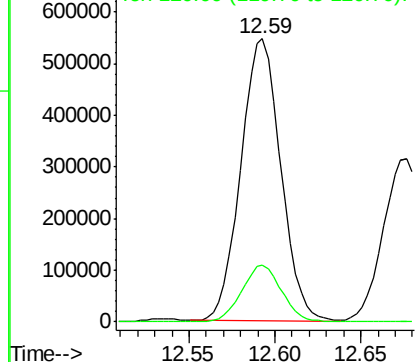
Lab File: VN057616.D

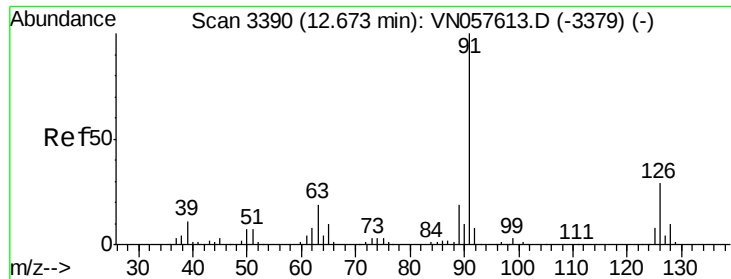
Acq: 31 Aug 2019 15:17

Tgt Ion:	91	Resp:	878857
Ion Ratio	Lower	Upper	
91	100		
120	20.2	10.4	31.4



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.694 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

ClientSampled :

ICVVN090119

Tot Ion: 91 Resp: 529727

Ion Ratio Lower Upper

91 100

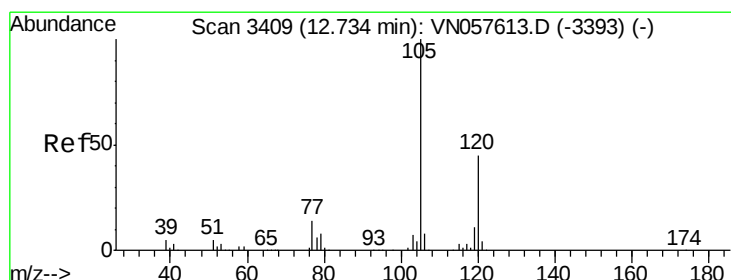
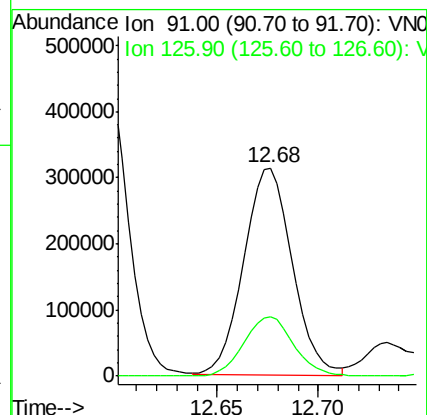
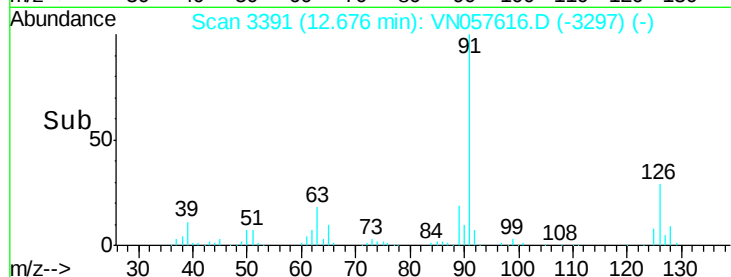
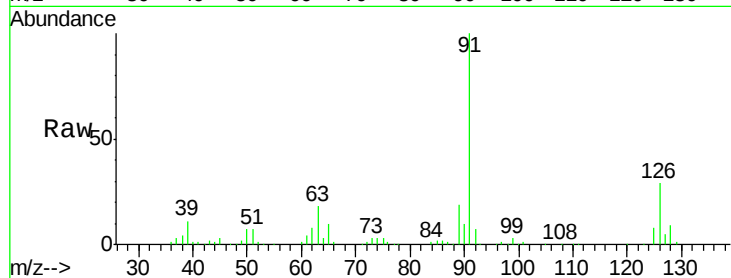
126 29.6 14.9 44.5

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#80

1,3,5-Trimethylbenzene

Concen: 54.509 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057616.D

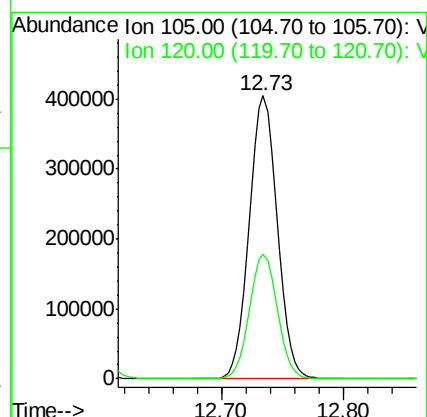
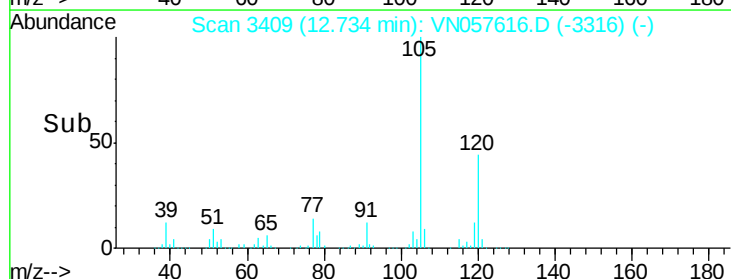
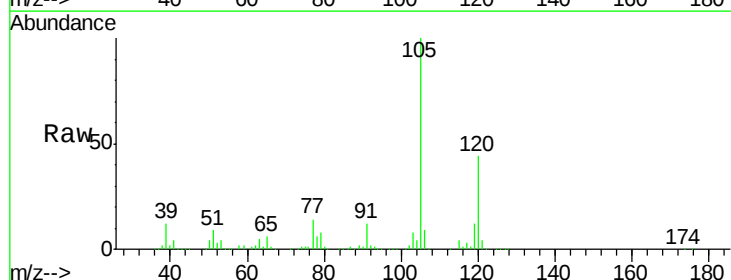
Acq: 31 Aug 2019 15:17

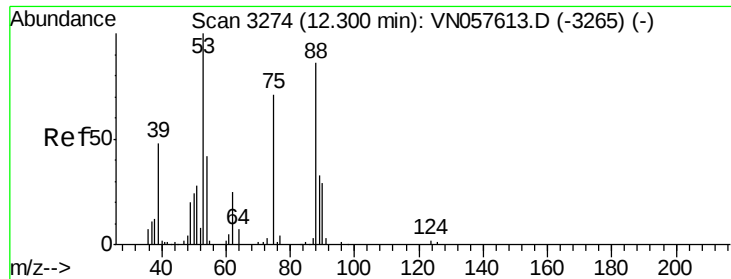
Tgt Ion: 105 Resp: 637447

Ion Ratio Lower Upper

105 100

120 44.0 22.6 67.8





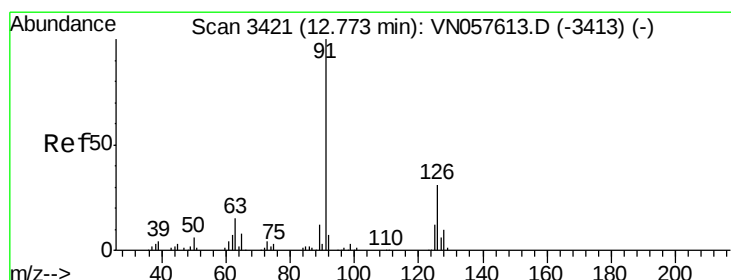
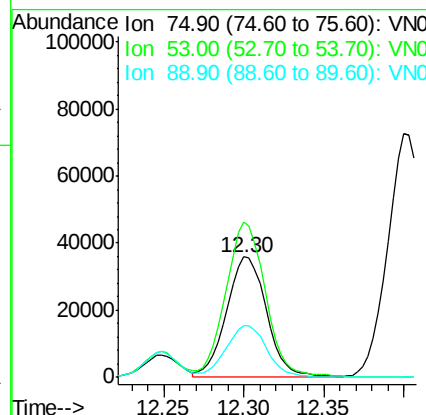
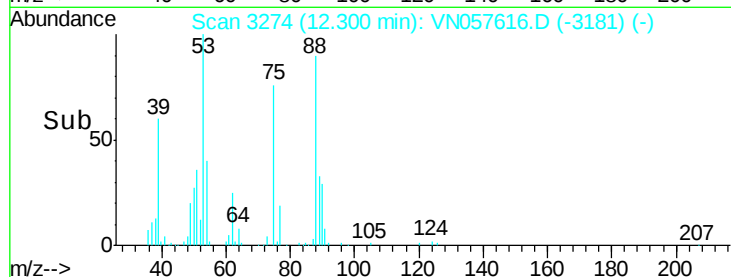
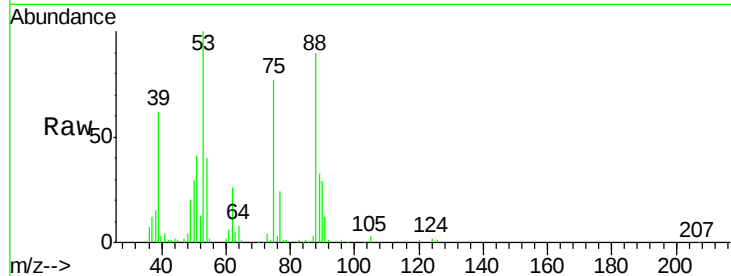
#81
trans-1,4-Dichloro-2-butene
Concen: 56.029 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090119

Tot Ion	Ratio	Lower	Upper
75	100		
53	129.4	111.0	166.6
89	44.7	38.3	57.5

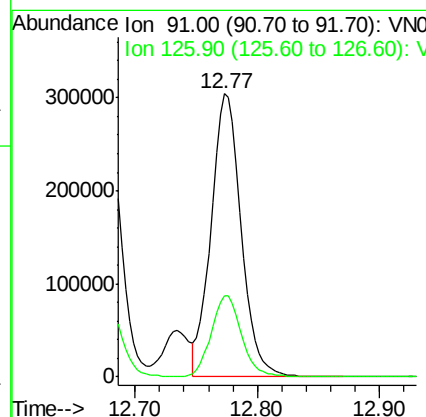
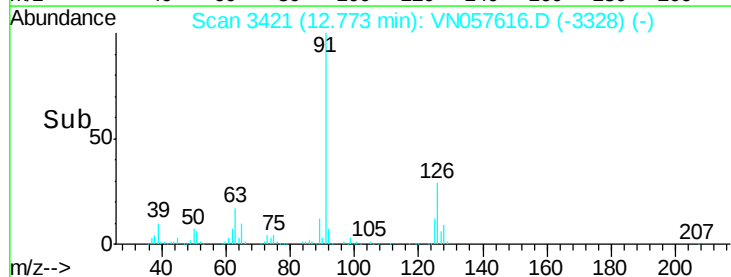
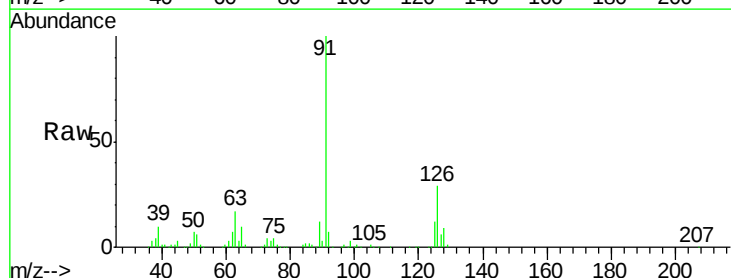
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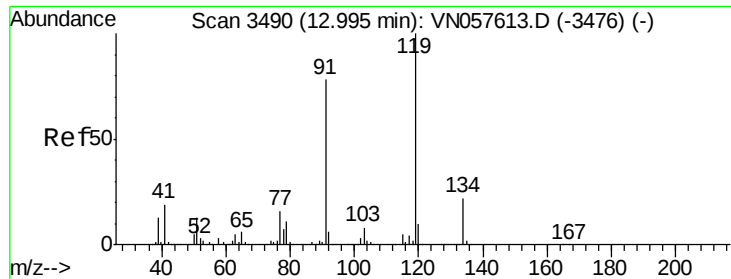
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#82
4-Chlorotoluene
Concen: 53.634 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.4	43.2





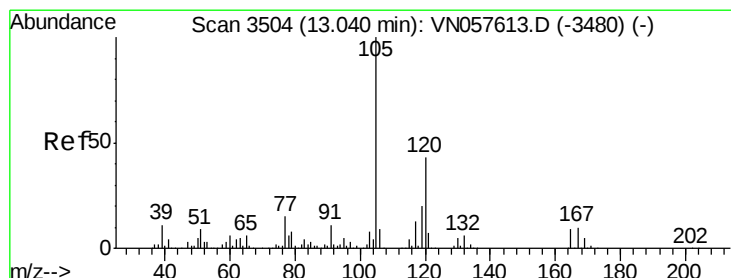
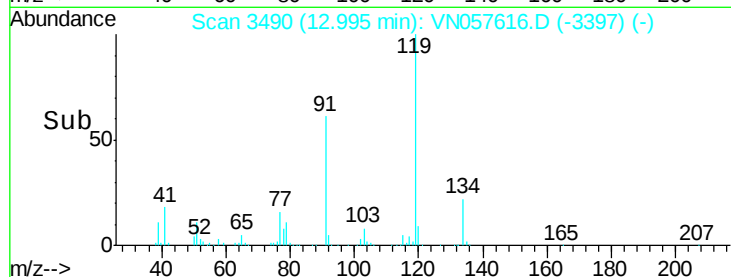
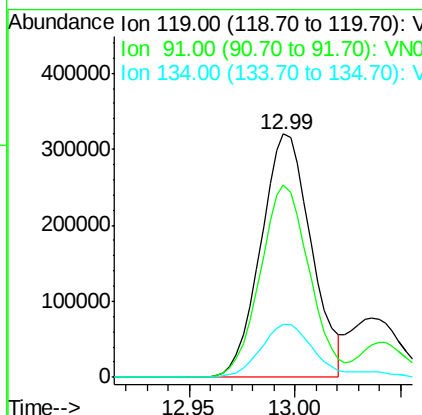
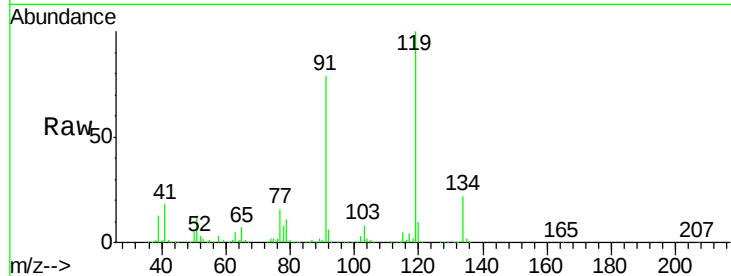
#83
 tert-Butylbenzene
 Concen: 53.549 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN090119

Tot Ion	Ratio	Lower	Upper
119	100		
91	77.2	38.3	114.9
134	24.3	11.3	33.8

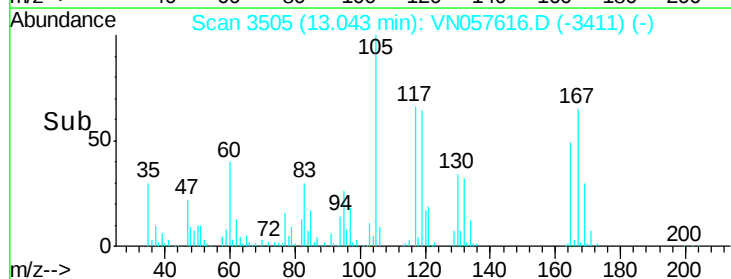
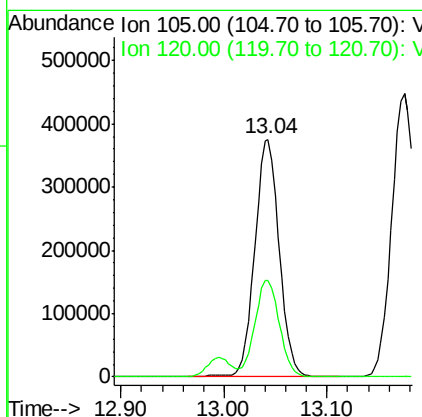
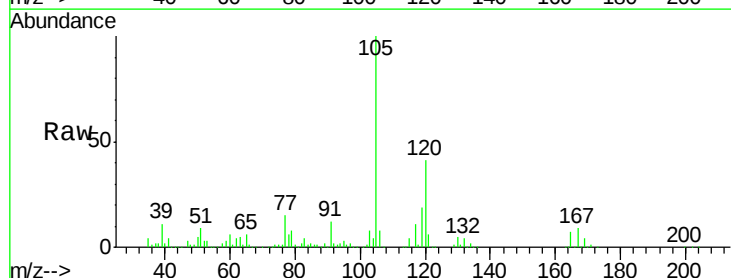
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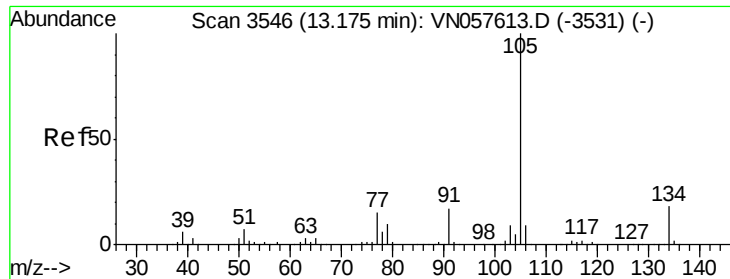
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.377 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.0	20.8	62.5





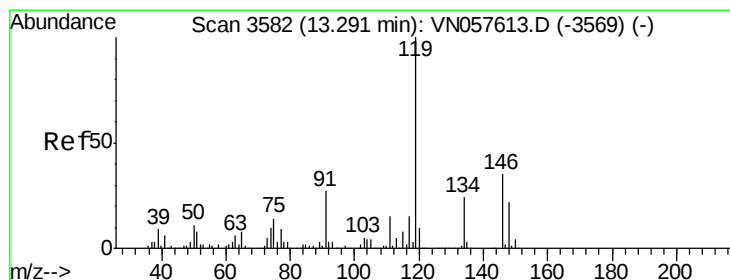
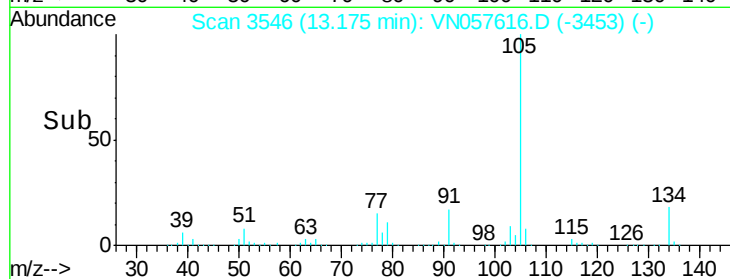
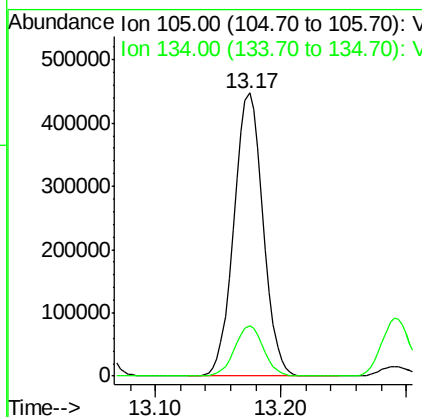
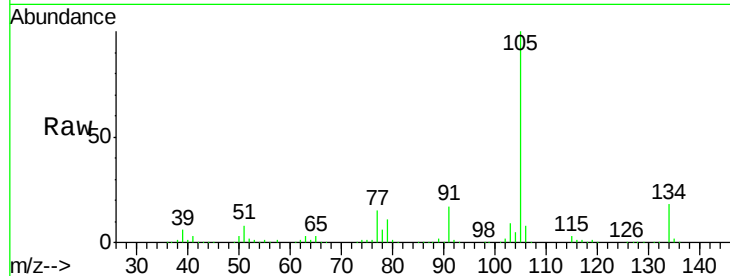
#85
 sec-Butylbenzene
 Concen: 53.969 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN090119

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.5	8.9	26.8

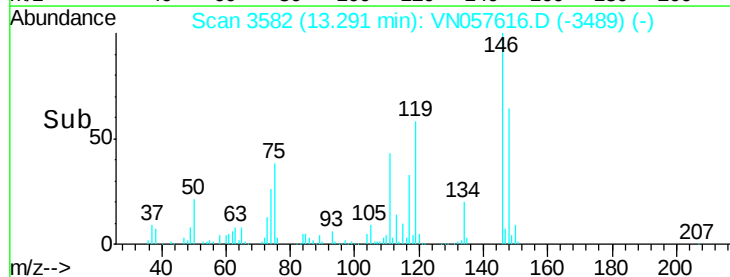
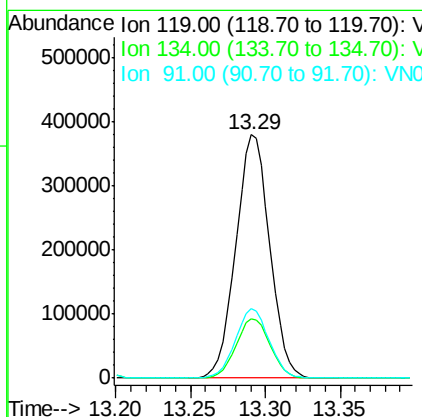
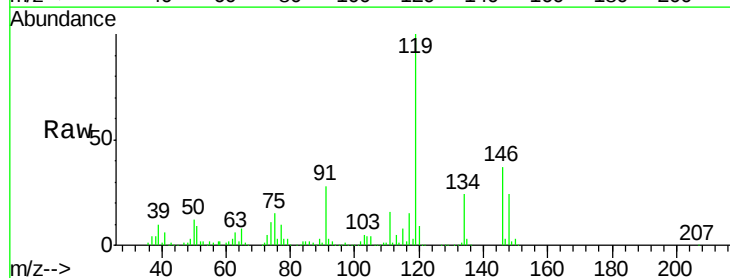
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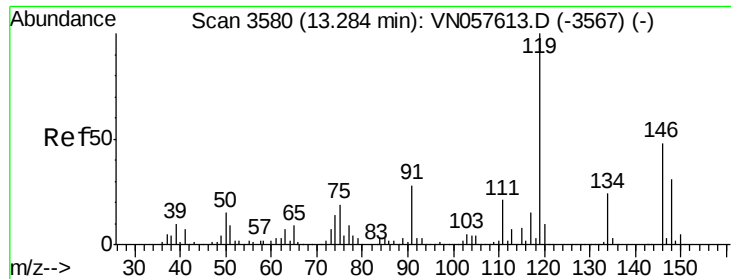
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#86
 p-Isopropyltoluene
 Concen: 54.102 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.6	11.9	35.5
91	28.2	13.7	41.0





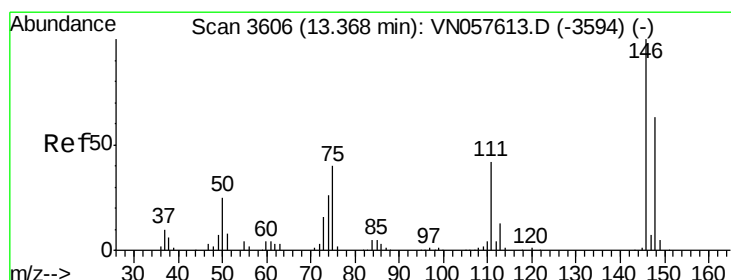
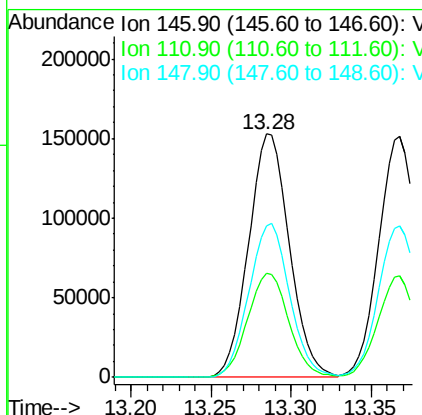
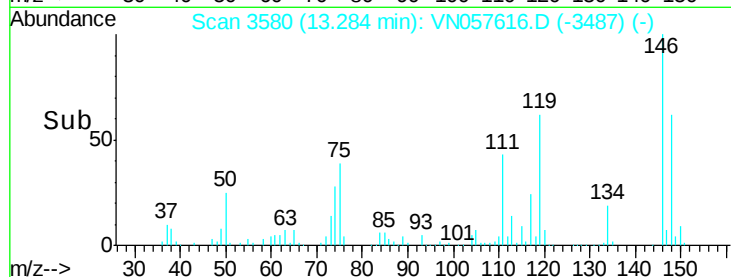
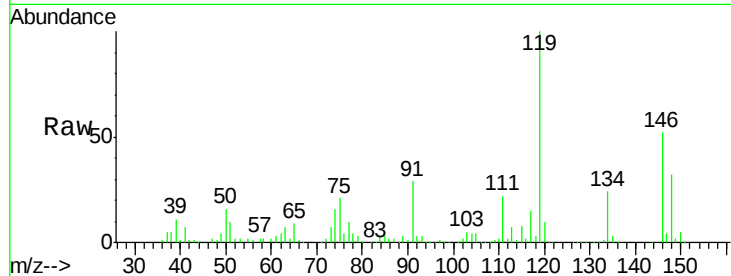
#87
 1,3-Dichlorobenzene
 Concen: 54.667 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN090119

Tot Ion	Ratio	Resp	Lower	Upper
146	100	269451		
111	43.1	21.8	65.3	
148	63.0	31.4	94.2	

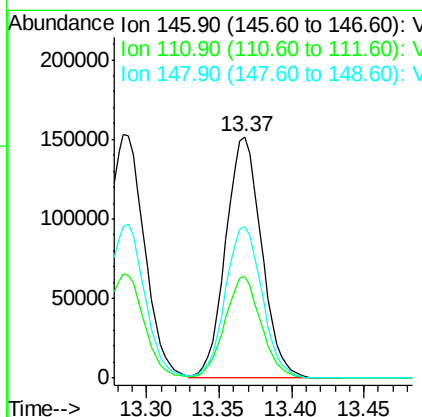
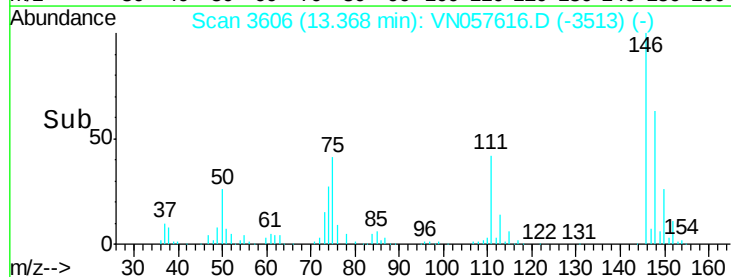
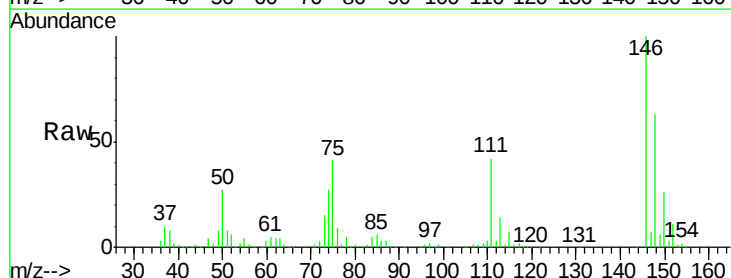
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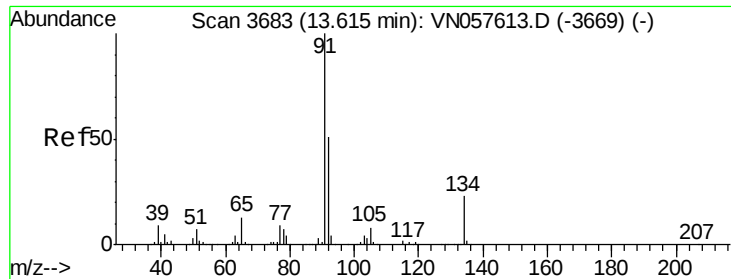
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#88
 1,4-Dichlorobenzene
 Concen: 54.816 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	260987		
111	42.5	21.6	65.0	
148	64.4	32.2	96.6	





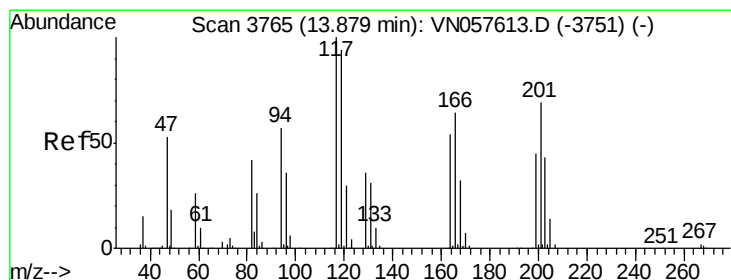
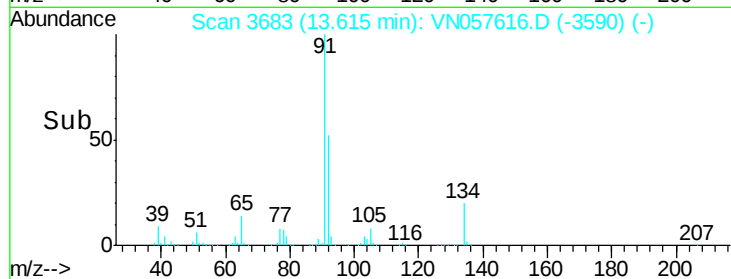
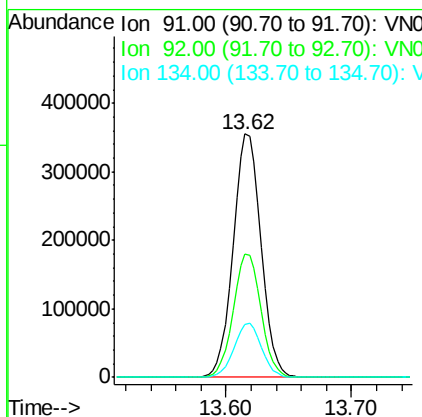
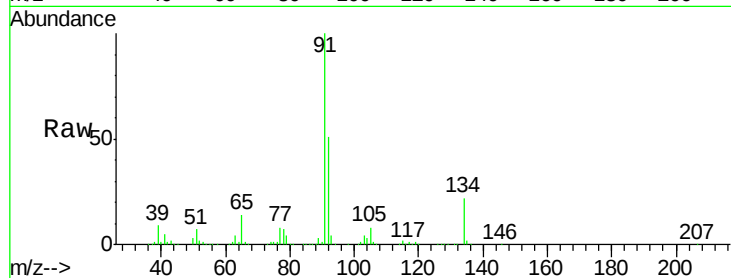
#89
n-Butylbenzene
Concen: 52.770 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Instrument :
MSVOA_N
ClientSampleId :
ICVVN090119

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.4	76.0
134	22.1	11.0	33.0

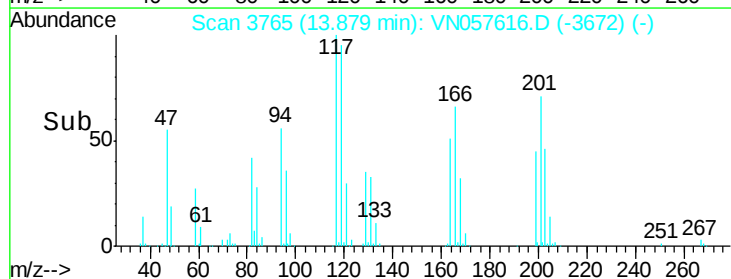
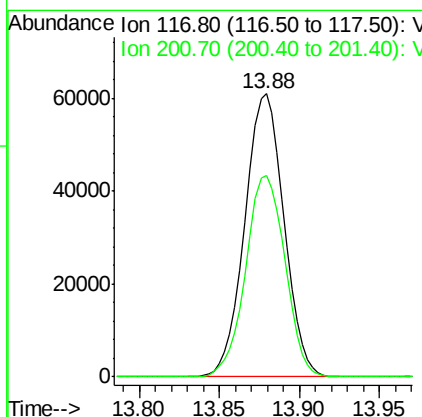
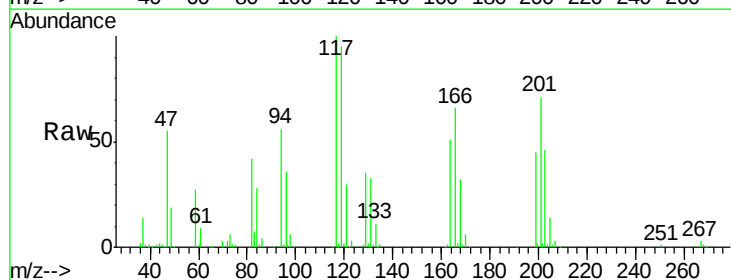
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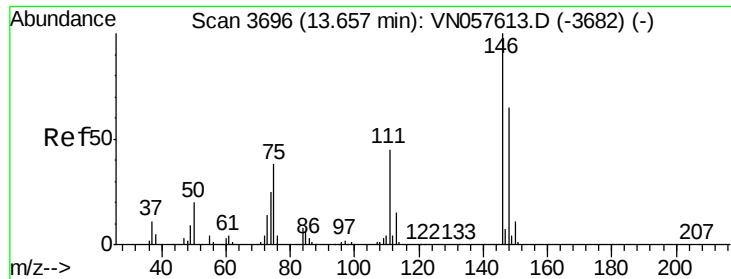
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#90
Hexachloroethane
Concen: 53.016 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN057616.D
Acq: 31 Aug 2019 15:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.6	34.4	103.2





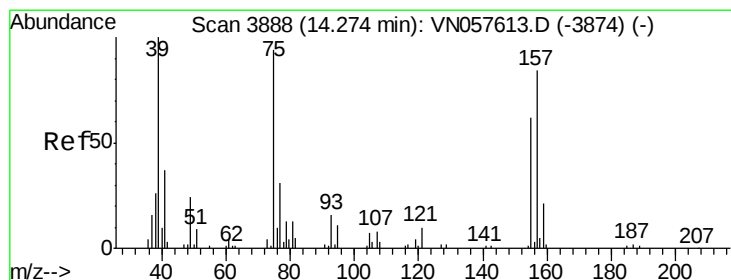
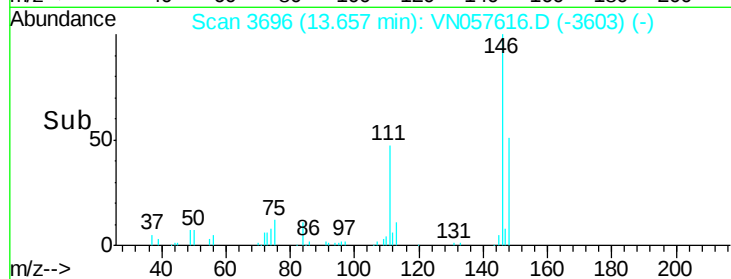
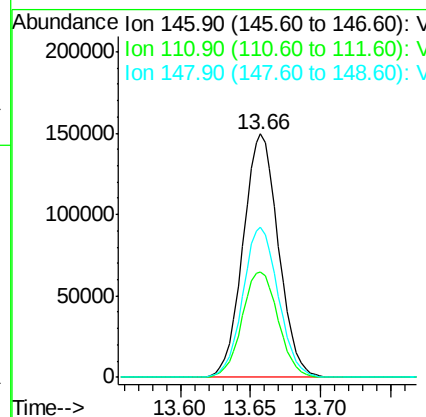
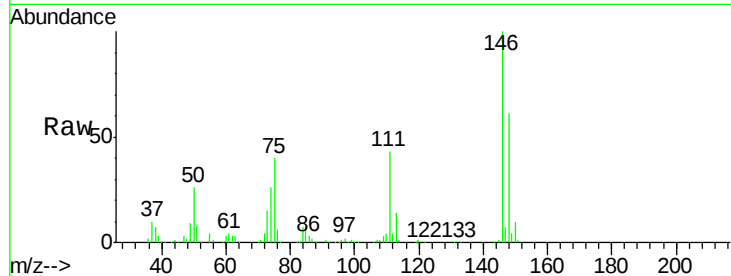
#91
 1,2-Dichlorobenzene
 Concen: 55.737 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN090119

Tot Ion	Ratio	Resp	Lower	Upper
146	100	262155		
111	44.3	22.1	66.5	
148	62.0	31.6	94.7	

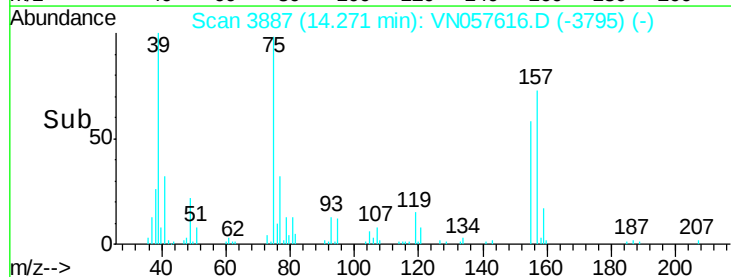
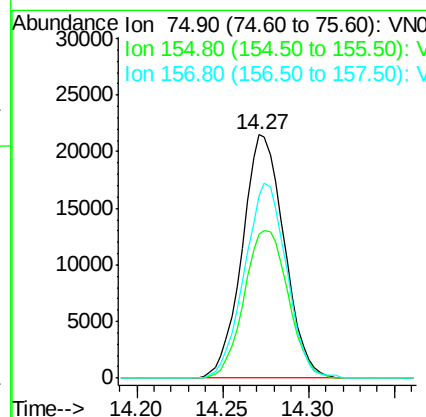
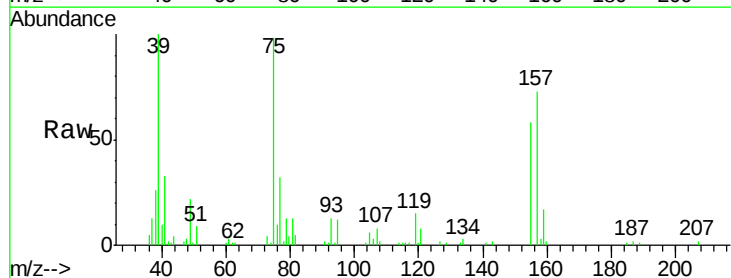
Manual Integrations
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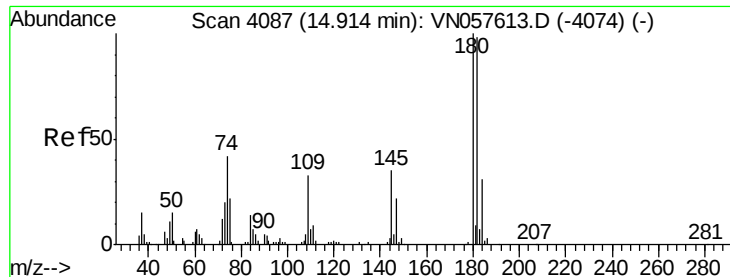
MMDadoda
 9/3/2019 11:52:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.656 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	36549		
155	63.2	30.1	90.5	
157	80.0	41.4	124.4	





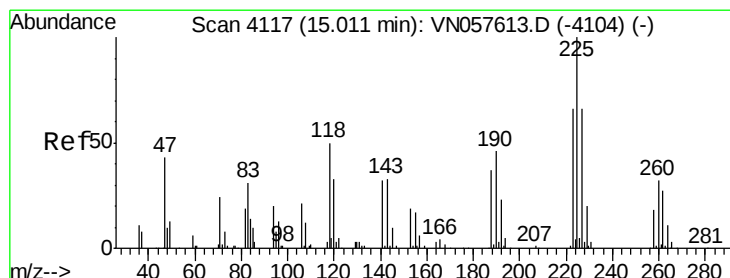
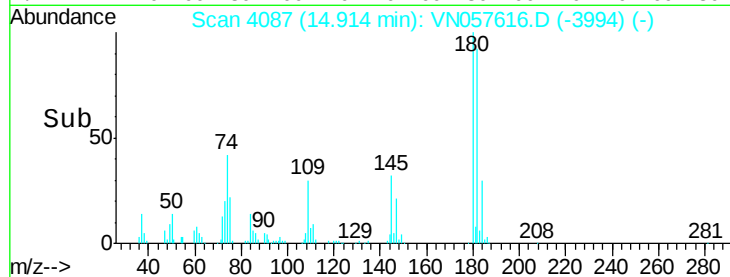
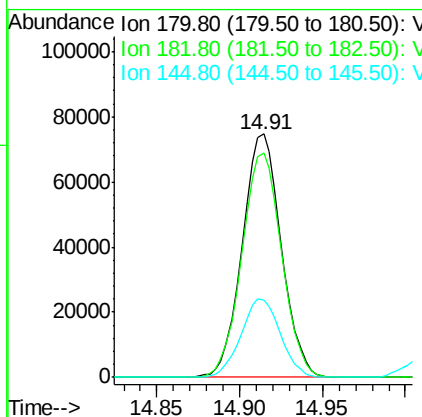
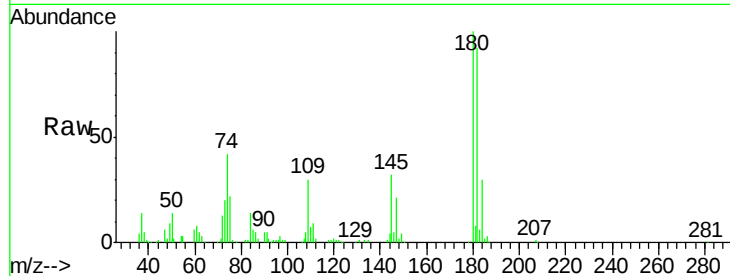
#93
 1,2,4-Trichlorobenzene
 Concen: 58.275 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN090119

Tot Ion	Ratio	Resp	Lower	Upper
180	100	122327		
182	94.3	47.8	143.3	
145	32.5	16.9	50.7	

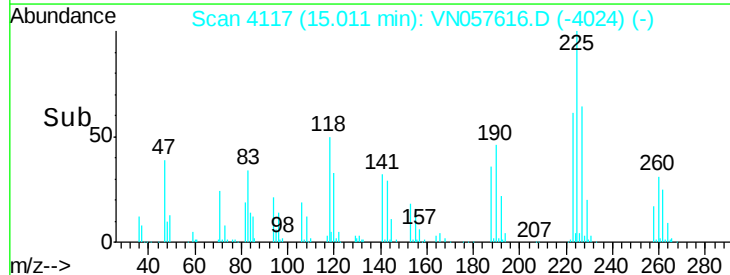
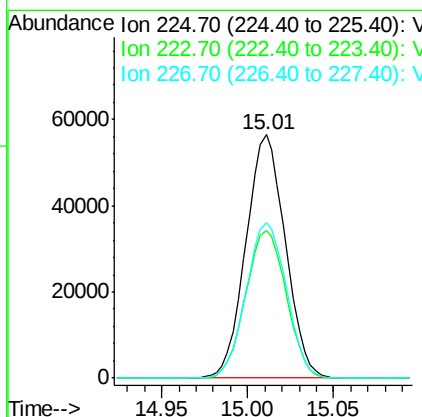
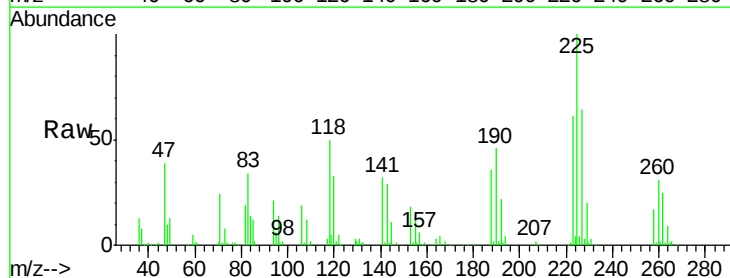
Manual Integrations
 APPROVED

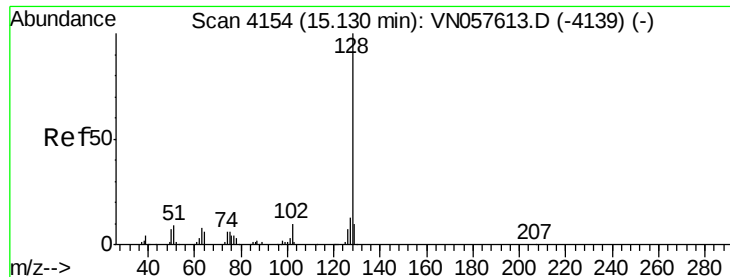
MMDadoda
 9/3/2019 11:52:10 AM



#94
 Hexachlorobutadiene
 Concen: 55.571 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057616.D
 Acq: 31 Aug 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	89694		
223	62.6	32.3	96.8	
227	65.2	32.4	97.2	





#95

Naphthalene

Concen: 54.857 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Instrument :

MSVOA_N

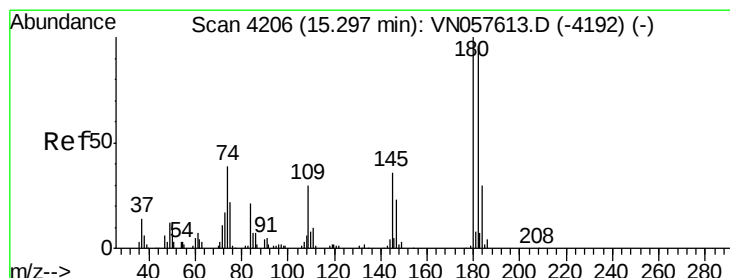
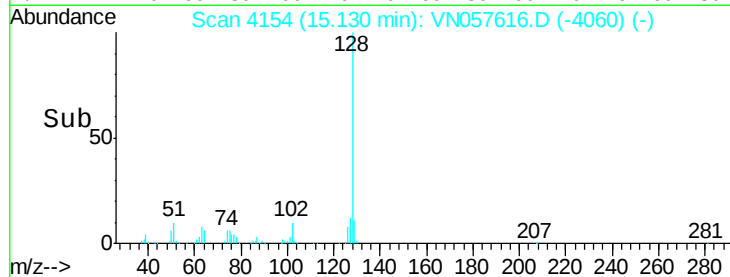
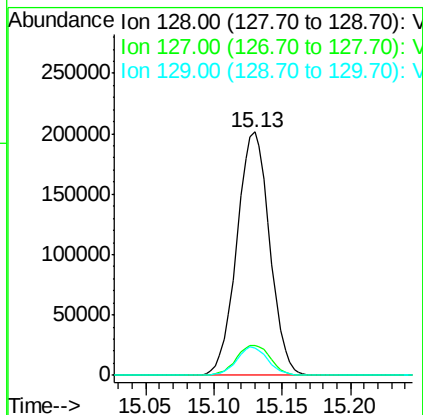
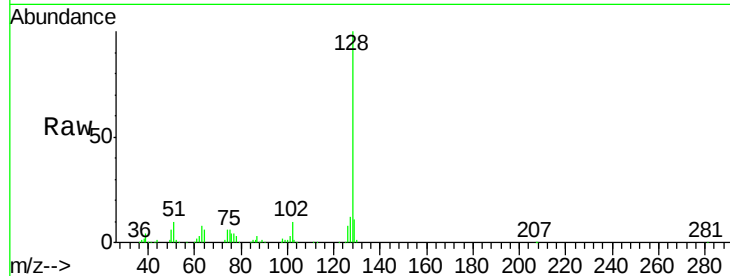
ClientSampleId :

ICVVN090119

Tot Ion:	128	Resp:	335586
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	11.2	8.6	12.8

Manual Integrations
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9/3/2019 11:52:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 56.890 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057616.D

Acq: 31 Aug 2019 15:17

Tgt Ion:	180	Resp:	118778
Ion Ratio	Lower	Upper	
180	100		
182	96.0	46.3	138.9
145	34.5	17.8	53.3

