

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091219\
 Data File : VN057946.D
 Acq On : 11 Sep 2019 23:51
 Operator : JC/SP
 Sample : VN0912WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:07:07 AM

Quant Time: Sep 12 03:52:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	302083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	505374	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	471100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	268776	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	321620	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
35) Dibromofluoromethane	7.58	113	225194	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
50) Toluene-d8	10.09	98	931957	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.41	95	321857	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	89335	21.384	ug/l	98
3) Chloromethane	2.03	50	81160	19.061	ug/l	98
4) Vinyl Chloride	2.16	62	85548	18.983	ug/l	96
5) Bromomethane	2.54	94	43069	16.368	ug/l	98
6) Chloroethane	2.68	64	54405	18.946	ug/l	99
7) Trichlorofluoromethane	2.99	101	103100	18.180	ug/l	98
8) Diethyl Ether	3.39	74	45875	19.395	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	71842	20.081	ug/l	99
10) Methyl Iodide	3.93	142	65971	16.571	ug/l	98
11) Tert butyl alcohol	4.77	59	73035	98.626	ug/l	99
12) 1,1-Dichloroethene	3.72	96	63276	19.671	ug/l	99
13) Acrolein	3.59	56	41174	65.537	ug/l	99
14) Allyl chloride	4.30	41	113628	18.051	ug/l	99
15) Acrylonitrile	4.96	53	206871	101.636	ug/l	99
16) Acetone	3.80	43	174437	86.969	ug/l	99
17) Carbon Disulfide	4.03	76	87204	17.522	ug/l	97
18) Methyl Acetate	4.31	43	114983	21.501	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	271074	20.250	ug/l	100
20) Methylene Chloride	4.53	84	84994	21.559	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	66576	19.146	ug/l	95
22) Diisopropyl ether	5.93	45	302416	20.486	ug/l	98
23) Vinyl Acetate	5.88	43	1053547	100.701	ug/l	100
24) 1,1-Dichloroethane	5.83	63	162682	20.164	ug/l	98
25) 2-Butanone	6.82	43	281813	97.076	ug/l	99
26) 2,2-Dichloropropane	6.81	77	93396	14.628	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	91654	19.669	ug/l	99
28) Bromochloromethane	7.18	49	84350	20.927	ug/l	97
29) Tetrahydrofuran	7.20	42	180622	100.971	ug/l	98
30) Chloroform	7.36	83	170565	20.219	ug/l	99
31) Cyclohexane	7.64	56	116859	19.909	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	129364	19.336	ug/l	98
36) 1,1-Dichloropropene	7.78	75	104772	17.876	ug/l	98
37) Ethyl Acetate	6.91	43	108267	17.879	ug/l	96
38) Carbon Tetrachloride	7.76	117	99833	18.657	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	109829	17.826	ug/l	96
40) Benzene	8.03	78	345614	19.587	ug/l	99
41) Methacrylonitrile	7.16	41	53746	19.553	ug/l	96
42) 1,2-Dichloroethane	8.11	62	139874	19.820	ug/l	100
43) Isopropyl Acetate	8.15	43	190963	18.752	ug/l #	90
44) Trichloroethene	8.83	130	80507	18.602	ug/l	98
45) 1,2-Dichloropropane	9.11	63	101744	19.816	ug/l	97
46) Dibromomethane	9.20	93	60602	19.532	ug/l	100
47) Bromodichloromethane	9.40	83	117371	18.944	ug/l	99
48) Methyl methacrylate	9.19	41	98003	18.972	ug/l	100
49) 1,4-Dioxane	9.19	88	32599	373.173	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	618847	102.692	ug/l	100
52) Toluene	10.15	92	213315	19.194	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	112754	17.281	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	130555	18.124	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	91674	19.473	ug/l	97
56) Ethyl methacrylate	10.43	69	134767	19.010	ug/l	100
57) 1,3-Dichloropropane	10.71	76	161692	19.930	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	336079	100.653	ug/l	100
59) 2-Hexanone	10.75	43	440869	97.605	ug/l	100
60) Dibromochloromethane	10.90	129	77954	17.832	ug/l	99
61) 1,2-Dibromoethane	11.00	107	86474	19.430	ug/l	100
64) Tetrachloroethene	10.63	164	67841	19.504	ug/l	98
65) Chlorobenzene	11.44	112	240401	19.499	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	83698	19.564	ug/l	99
67) Ethyl Benzene	11.51	91	429977	19.900	ug/l	98
68) m/p-Xylenes	11.62	106	311615	39.372	ug/l	98
69) o-Xylene	11.95	106	153195	19.470	ug/l	95
70) Styrene	11.97	104	266631	19.690	ug/l	98
71) Bromoform	12.13	173	46575	17.462	ug/l #	96
73) Isopropylbenzene	12.25	105	426945	20.471	ug/l	100
74) N-amyl acetate	12.07	43	176077	19.399	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	138748	19.758	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	116570m	19.172	ug/l	
77) Bromobenzene	12.53	156	103600	19.924	ug/l	93
78) n-propylbenzene	12.60	91	501766	20.951	ug/l	100
79) 2-Chlorotoluene	12.68	91	300672	19.864	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	362877	20.592	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	26256	15.196	ug/l	87
82) 4-Chlorotoluene	12.78	91	311120	20.015	ug/l	99
83) tert-Butylbenzene	13.00	119	314140	20.054	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	365029	20.381	ug/l	100
85) sec-Butylbenzene	13.18	105	427967	20.613	ug/l	99
86) p-Isopropyltoluene	13.29	119	367109	20.068	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	187775	19.674	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	184680	19.063	ug/l	99
89) n-Butylbenzene	13.62	91	333251	19.290	ug/l	100
90) Hexachloroethane	13.88	117	48678	17.892	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	187322	19.645	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	21331	18.394	ug/l	98

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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	109744	17.609	ug/l	98
94) Hexachlorobutadiene	15.01	225	48251	18.263	ug/l	99
95) Naphthalene	15.13	128	315143	19.057	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	105792	20.054	ug/l	98

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

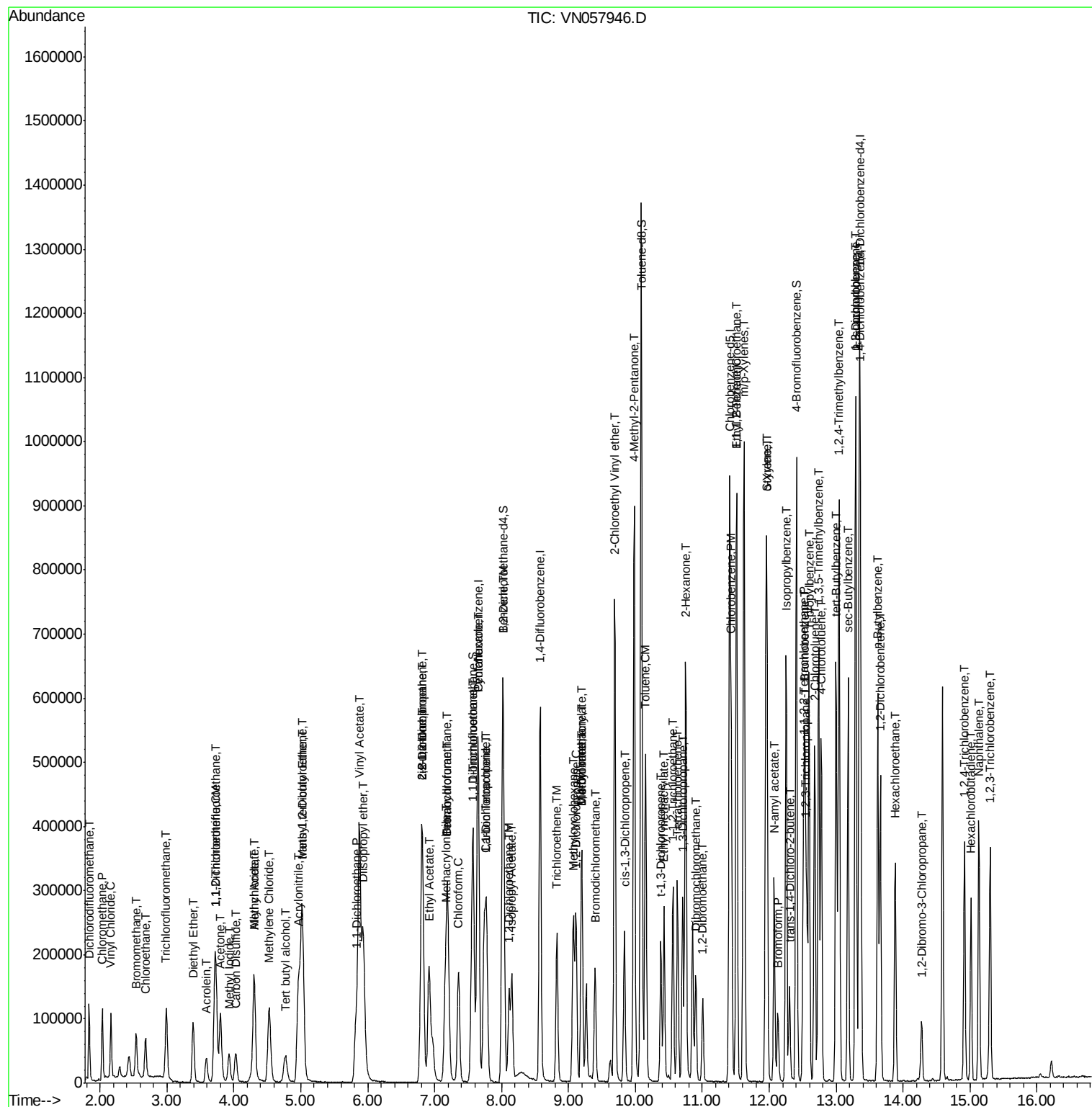
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 Acd On : 11 Sep 2019 23:51
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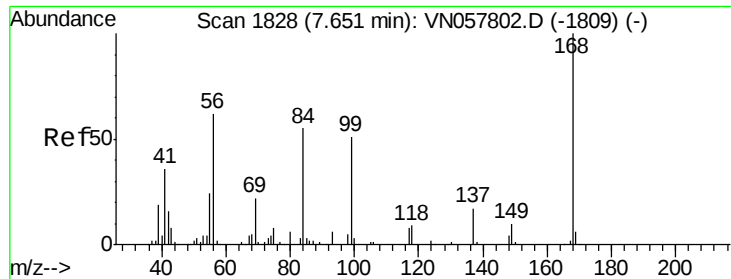
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0912WBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBSD01

Tot Ion:168 Resp: 302083

Ion Ratio Lower Upper

168 100

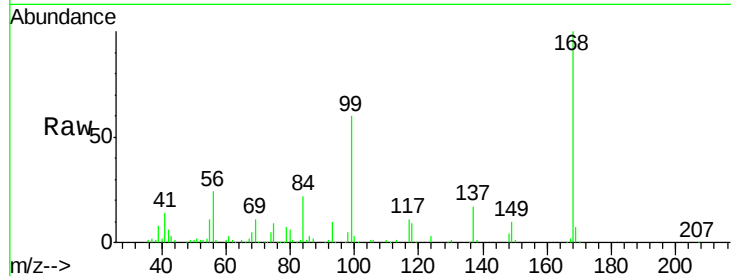
99 59.7 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

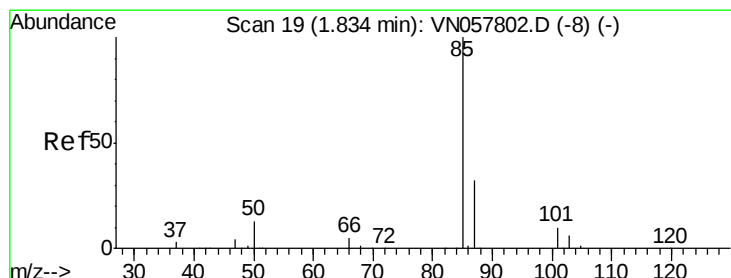
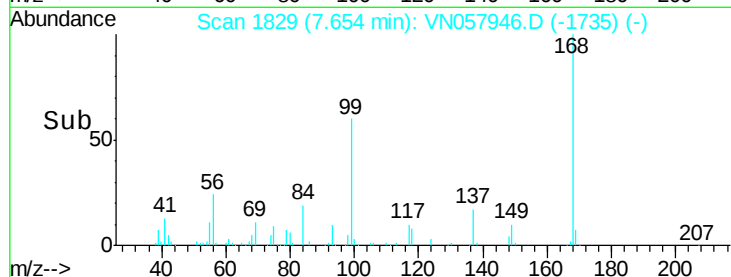
7.65

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.384 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN057946.D

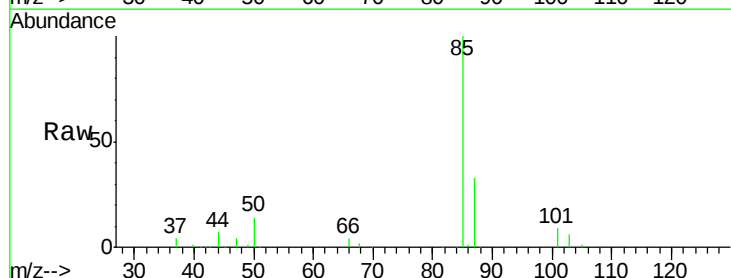
Acq: 11 Sep 2019 23:51

Tgt Ion: 85 Resp: 89335

Ion Ratio Lower Upper

85 100

87 32.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

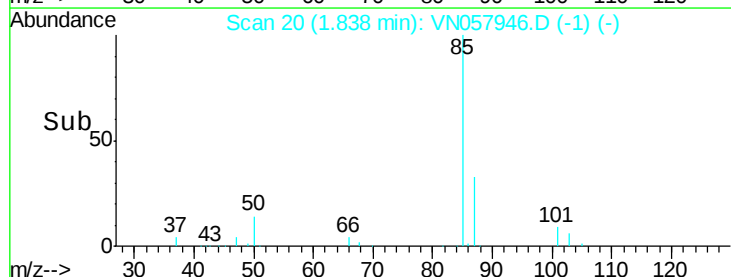
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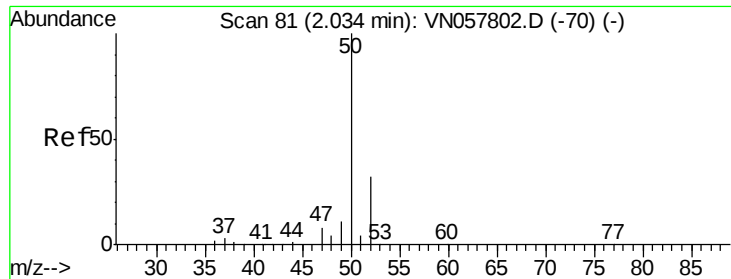
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20000

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Time-->





#3

Chloromethane

Concen: 19.061 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBSD01

Tot Ion: 50 Resp: 81160

Ion Ratio Lower Upper

50 100

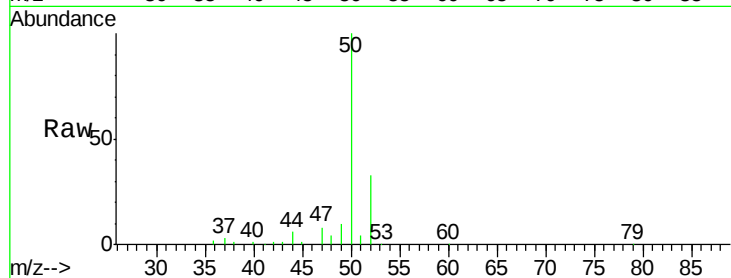
52 33.2 25.5 38.3

Manual Integrations

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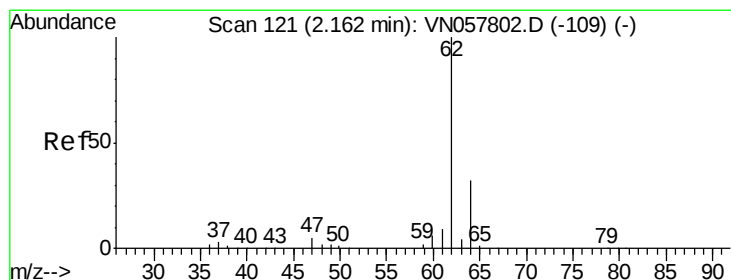
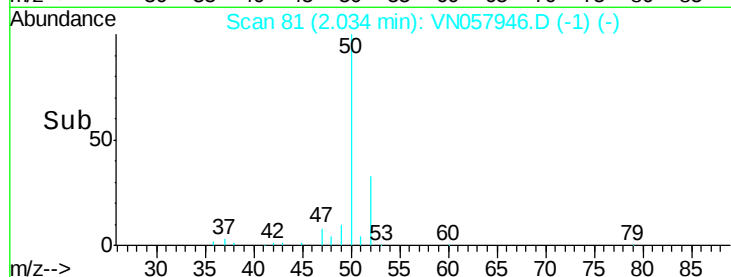
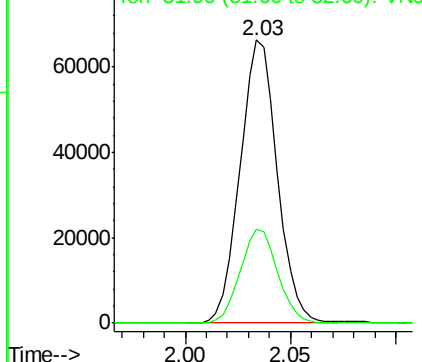
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.983 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057946.D

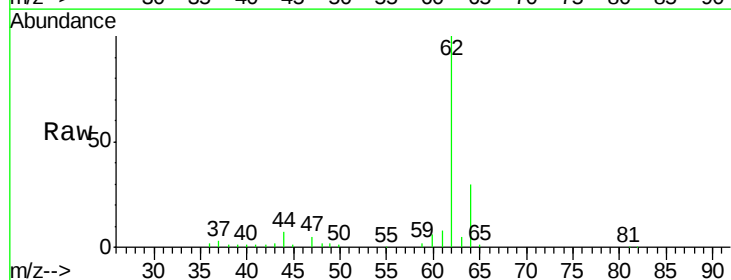
Acq: 11 Sep 2019 23:51

Tgt Ion: 62 Resp: 85548

Ion Ratio Lower Upper

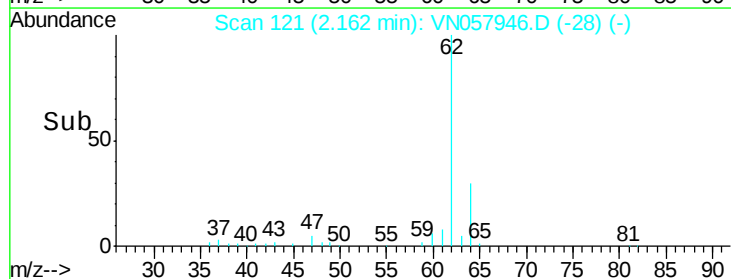
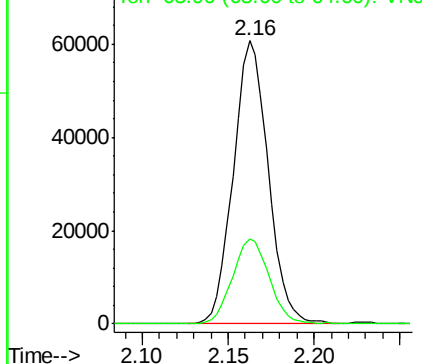
62 100

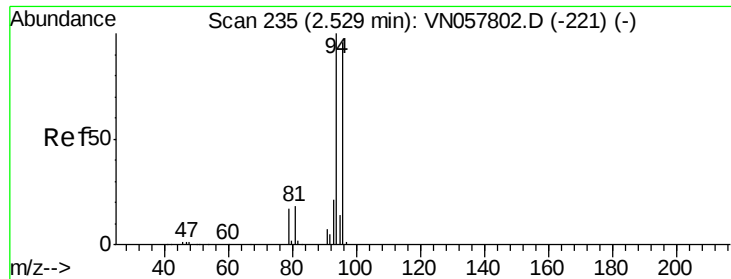
64 29.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 16.368 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

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VN0912WBSD01

Tot Ion: 94 Resp: 43069

Ion Ratio Lower Upper

94 100

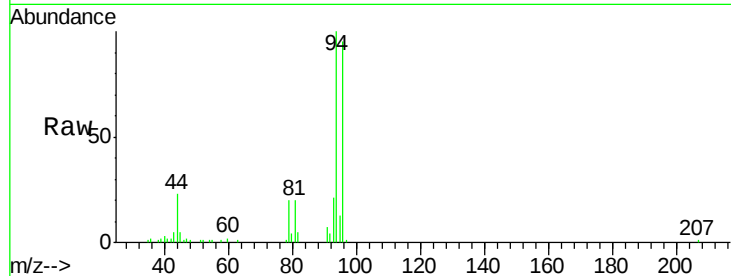
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Manual Integrations

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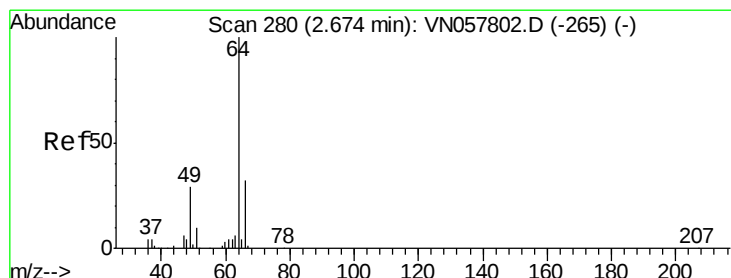
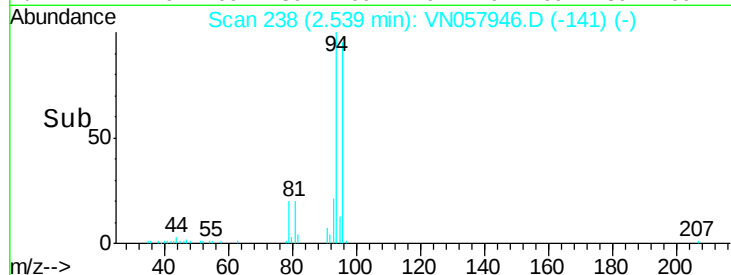
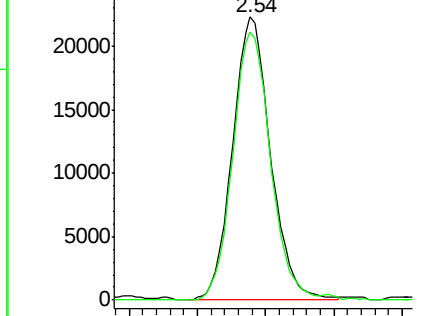
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.946 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN057946.D

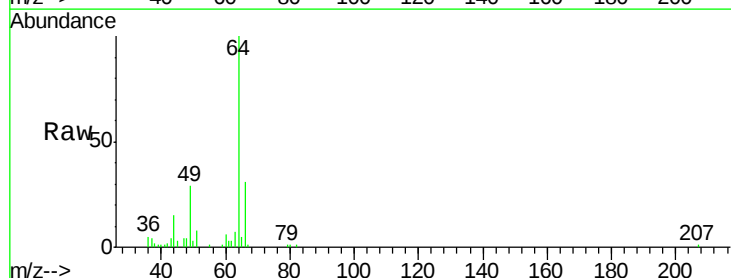
Acq: 11 Sep 2019 23:51

Tgt Ion: 64 Resp: 54405

Ion Ratio Lower Upper

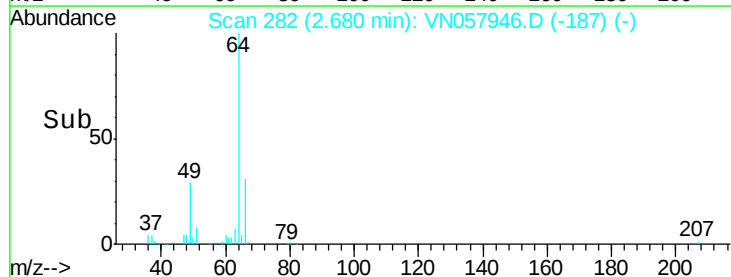
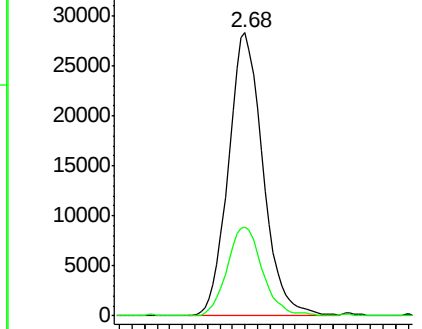
64 100

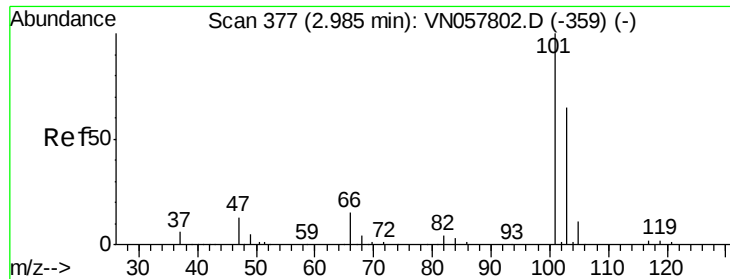
66 31.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

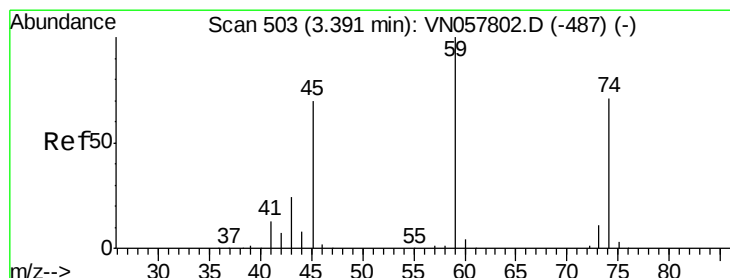
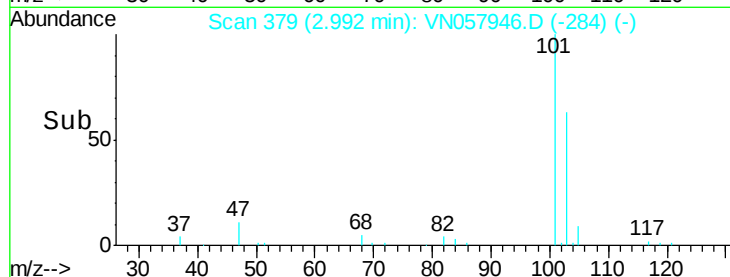
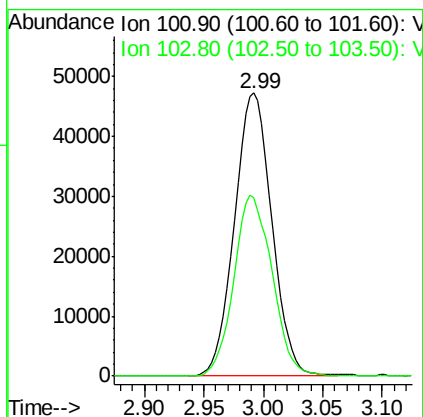
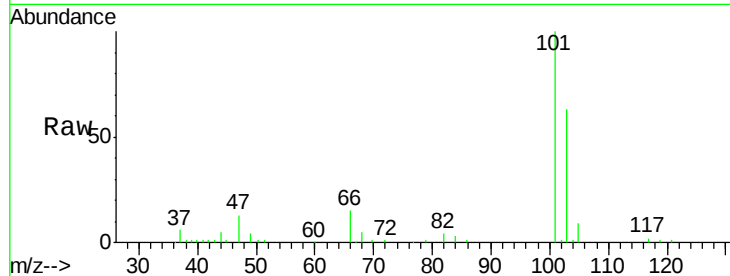
Trichlorofluoromethane
 Concen: 18.180 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. 0.01 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.9	77.9

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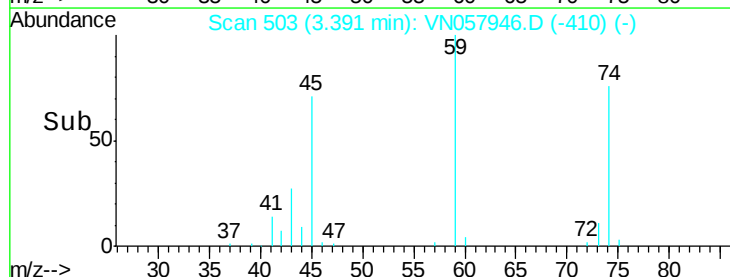
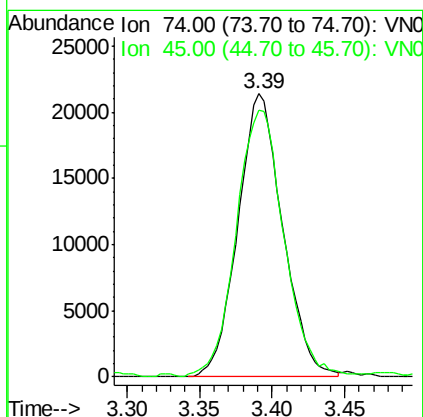
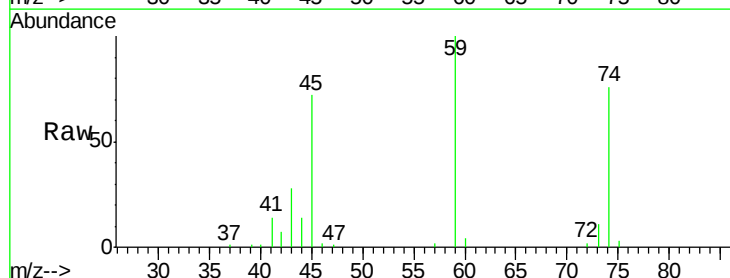
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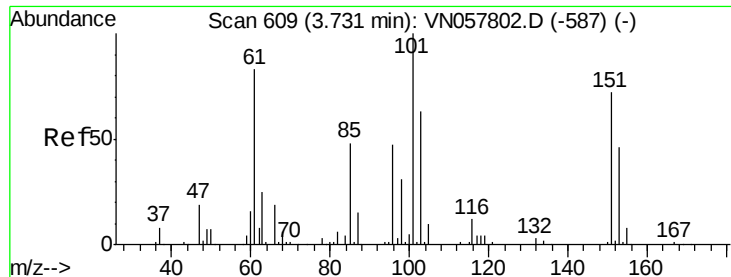


#8

Diethyl Ether
 Concen: 19.395 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.081 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

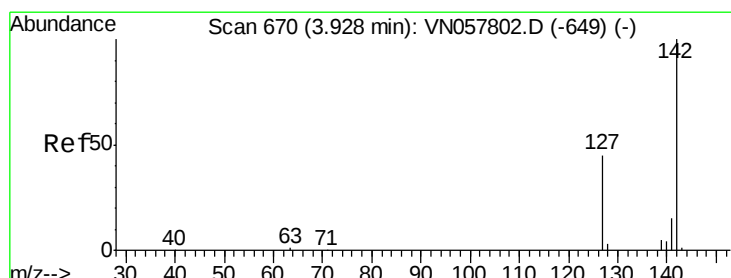
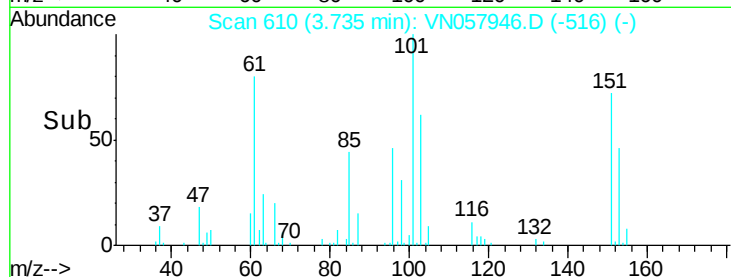
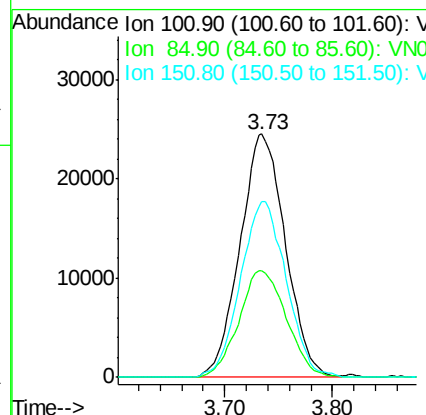
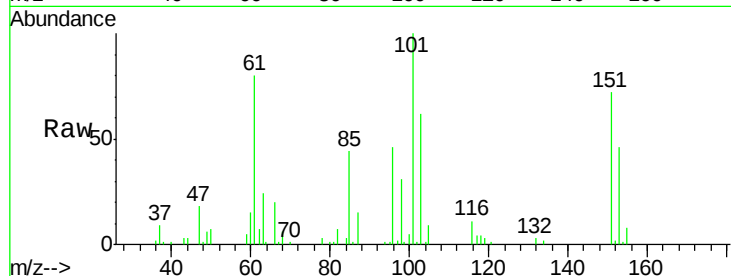
ClientSampleId :

VN0912WBSD01

Tot Ion:	101	Resp:	71842
Ion Ratio	Lower	Upper	
101	100		
85	46.0	38.1	57.1
151	72.7	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 16.571 ug/l

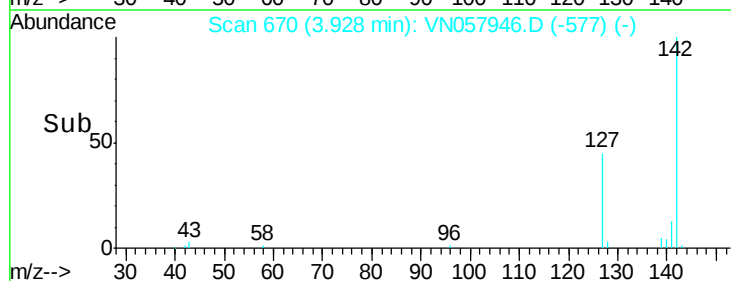
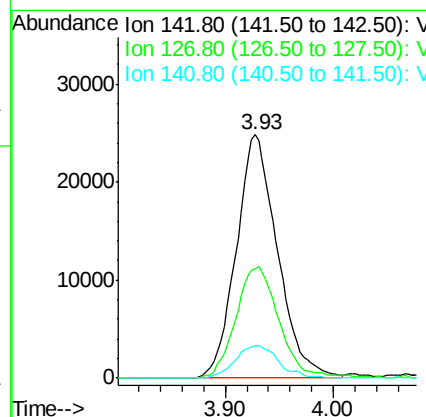
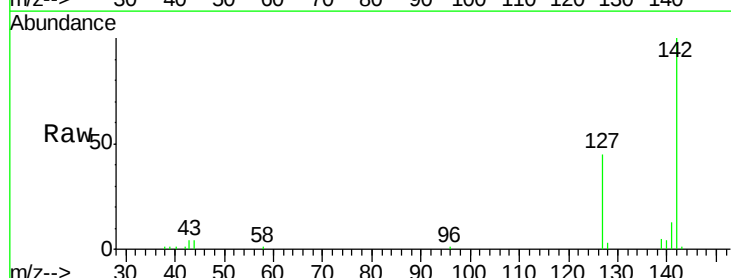
RT: 3.93 min Scan# 670

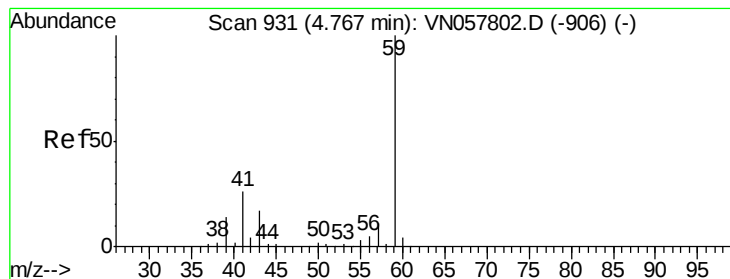
Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Tgt Ion:	142	Resp:	65971
Ion Ratio	Lower	Upper	
142	100		
127	47.3	36.7	55.1
141	14.0	11.4	17.0





#11

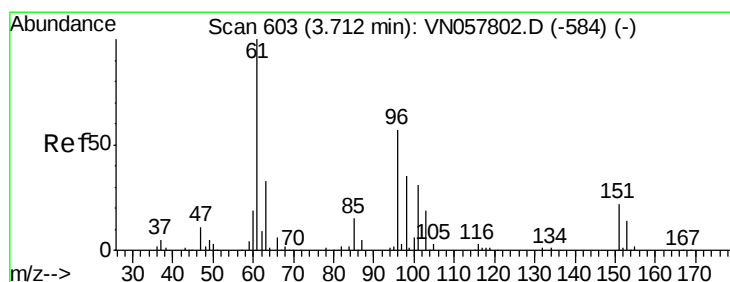
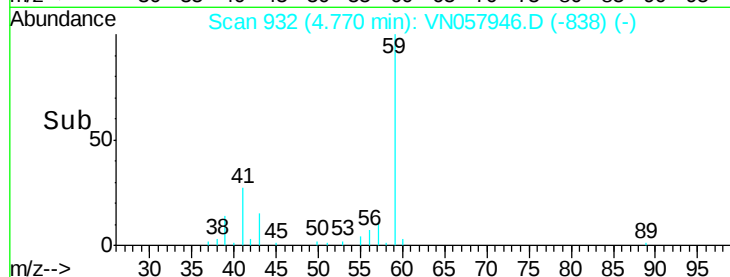
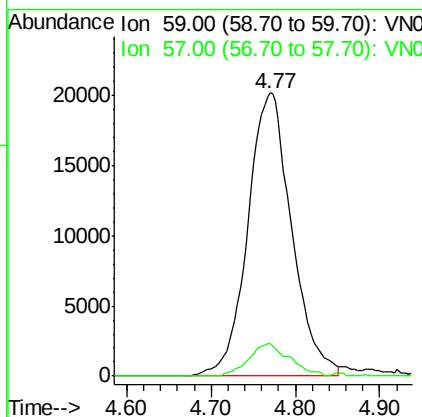
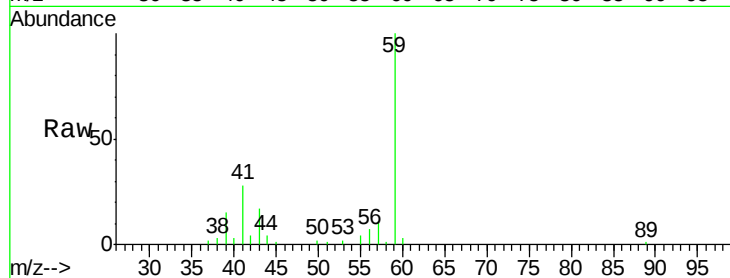
Tert butyl alcohol
 Concen: 98.626 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

Manual Integrations
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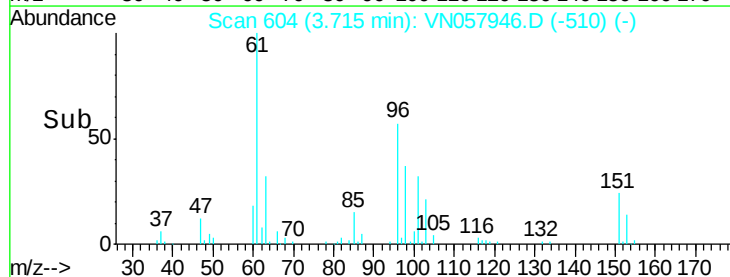
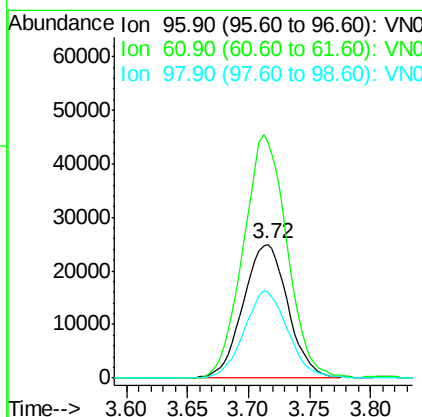
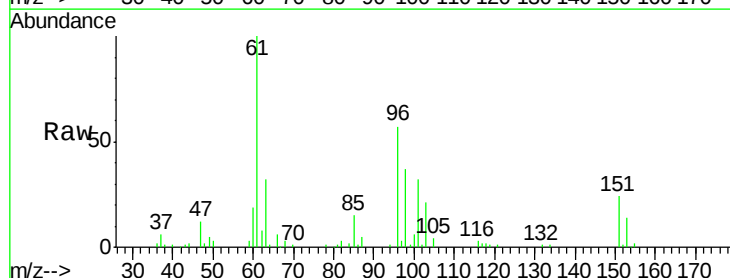
MMDadoda
 9/13/2019 11:07:07 AM

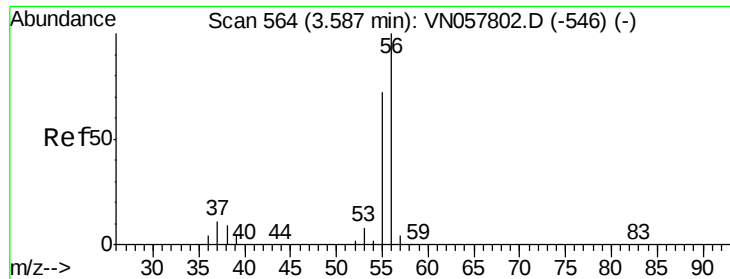


#12

1,1-Dichloroethene
 Concen: 19.671 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.6	141.2	211.8
98	64.5	49.9	74.9





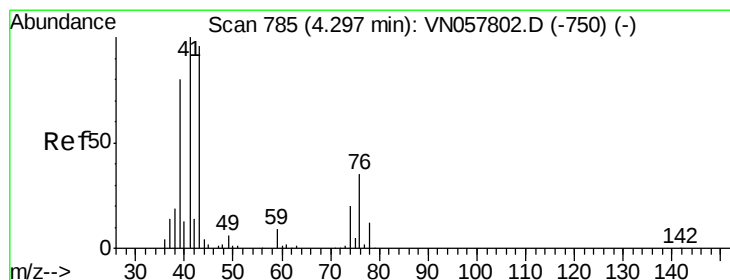
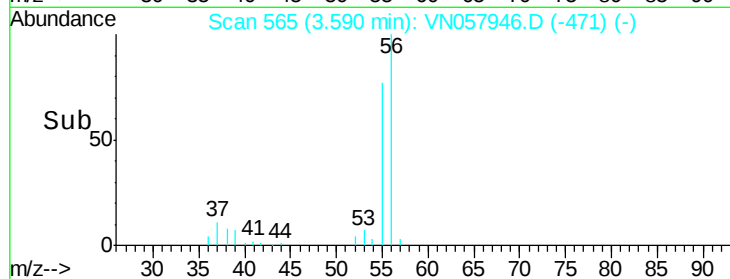
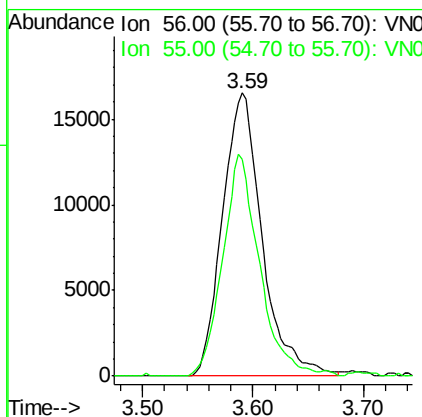
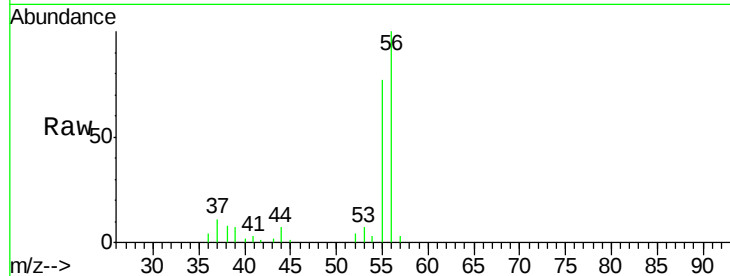
#13
Acrolein
Concen: 65.537 ug/l
RT: 3.59 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Instrument :
MSVOA_N
ClientSampled :
VN0912WBSD01

Tot Ion	56	Resp	41174
Ion Ratio	100	Lower	Upper
55	72.5	57.3	85.9

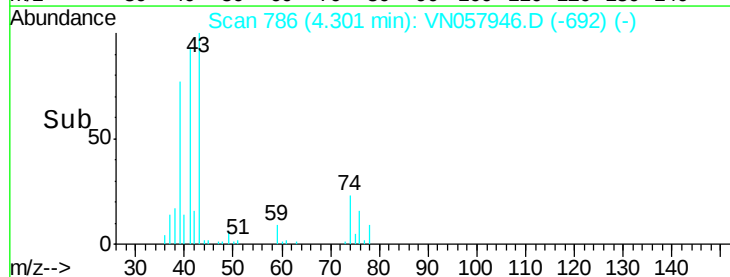
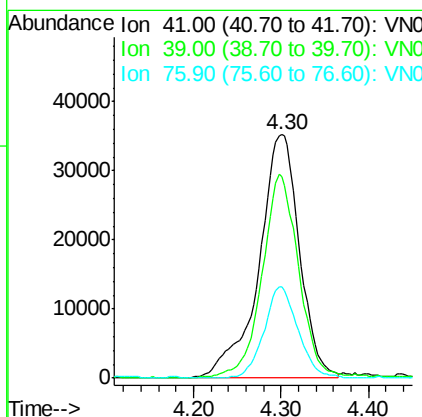
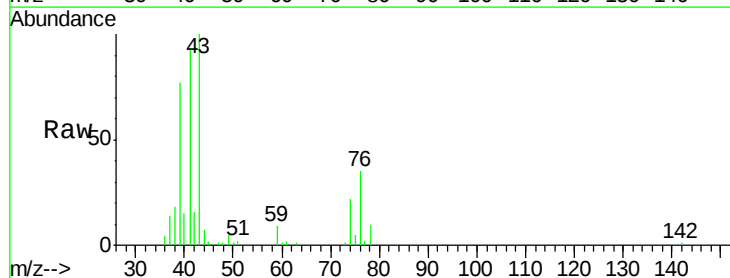
Manual Integrations
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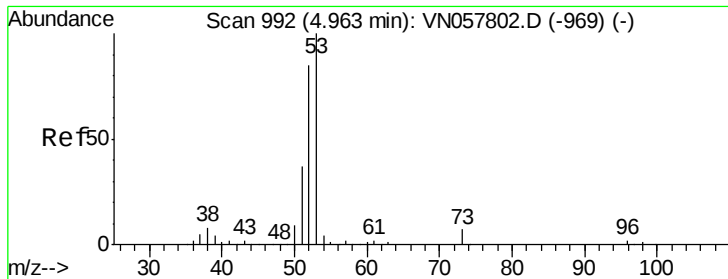
MMDadoda
9/13/2019 11:07:07 AM



#14
Allyl chloride
Concen: 18.051 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Tgt Ion	41	Resp	113628
Ion Ratio	100	Lower	Upper
39	75.3	59.4	89.2
76	31.3	26.0	39.0





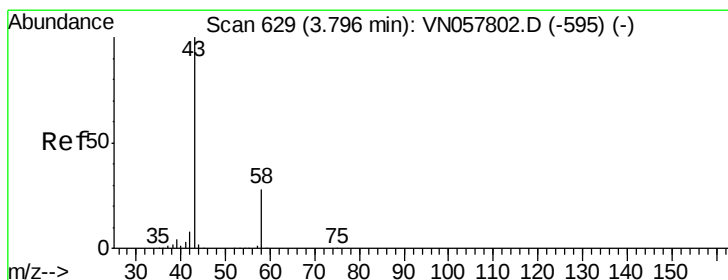
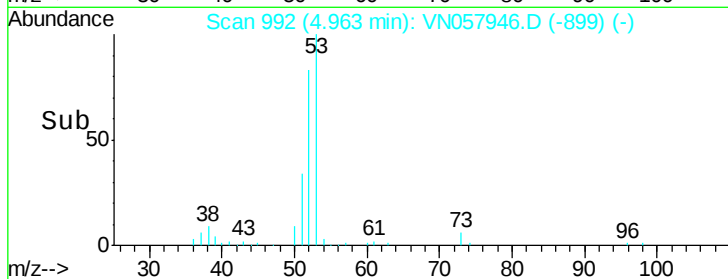
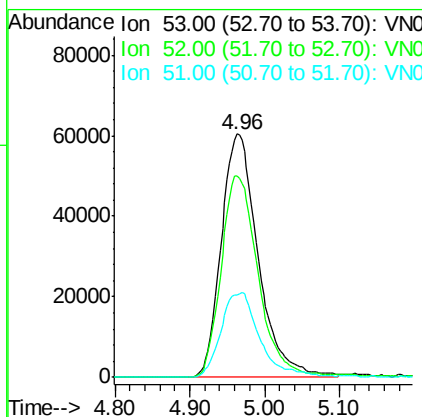
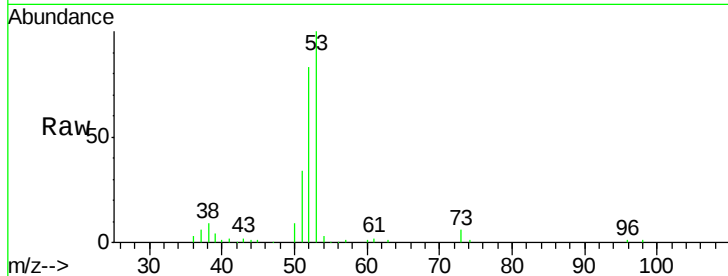
#15
 Acrylonitrile
 Concen: 101.636 ug/l
 RT: 4.96 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion:	53	Resp:	206871
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.6	100.0
51	36.6	29.8	44.8

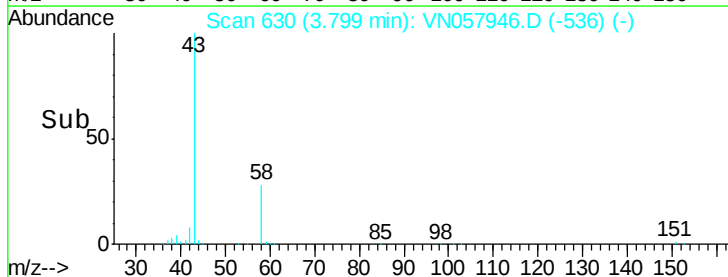
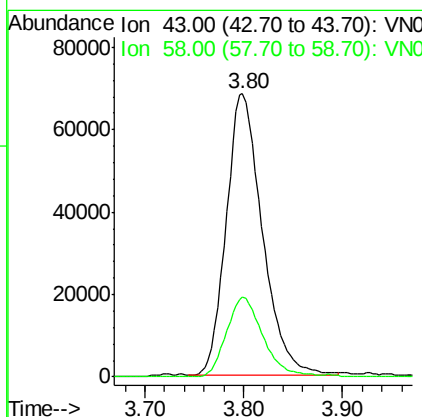
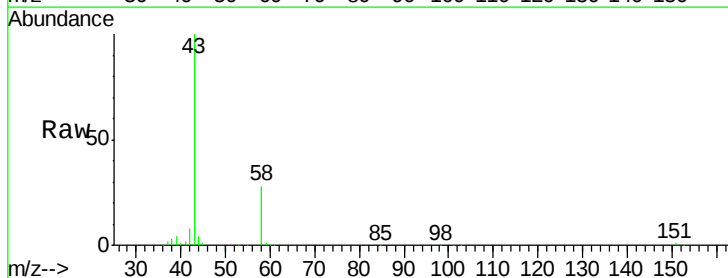
Manual Integrations
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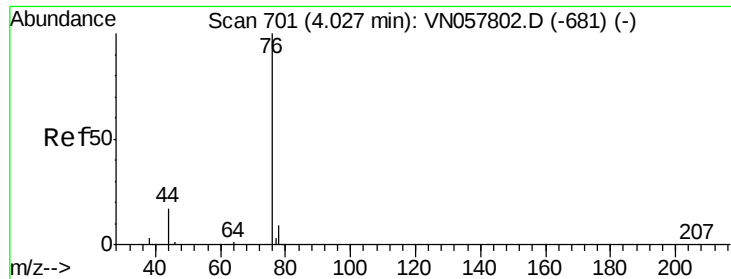
MMDadoda
 9/13/2019 11:07:07 AM



#16
 Acetone
 Concen: 86.969 ug/l
 RT: 3.80 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Tgt Ion:	43	Resp:	174437
Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.2	33.2





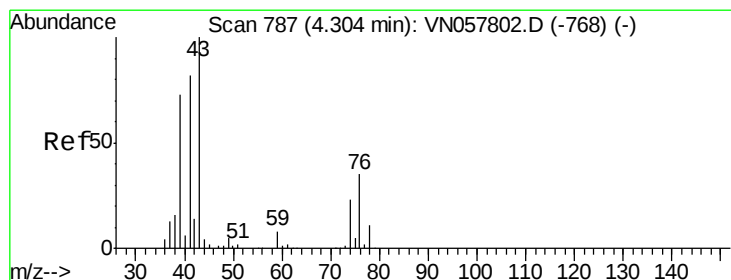
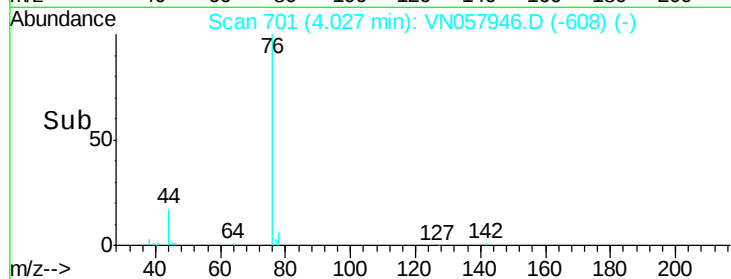
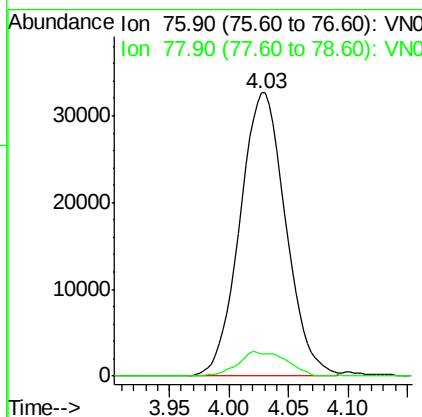
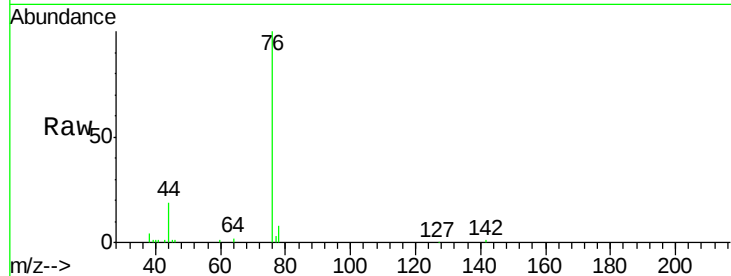
#17
Carbon Disulfide
Concen: 17.522 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.1	10.7

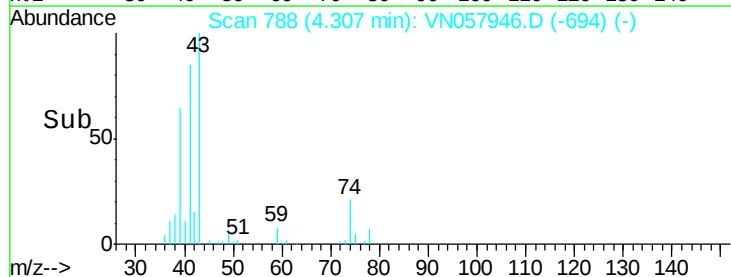
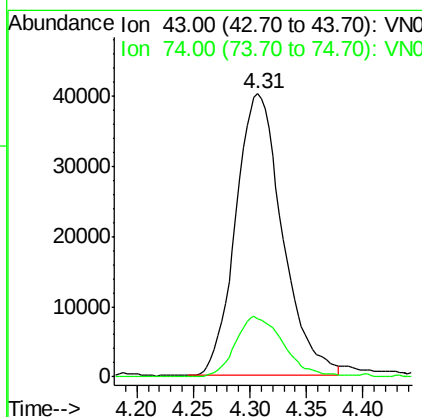
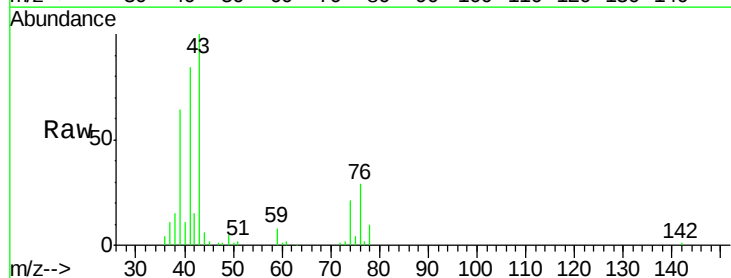
Manual Integrations
APPROVED

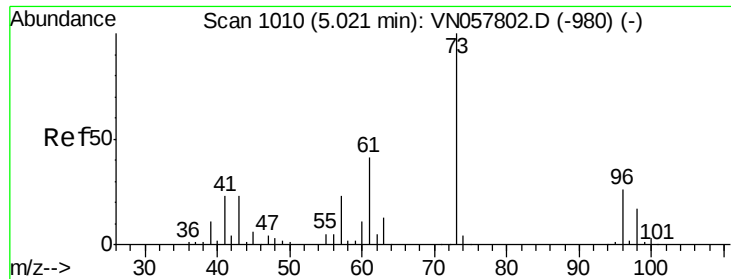
MMDadoda
9/13/2019 11:07:07 AM



#18
Methyl Acetate
Concen: 21.501 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.9	26.9





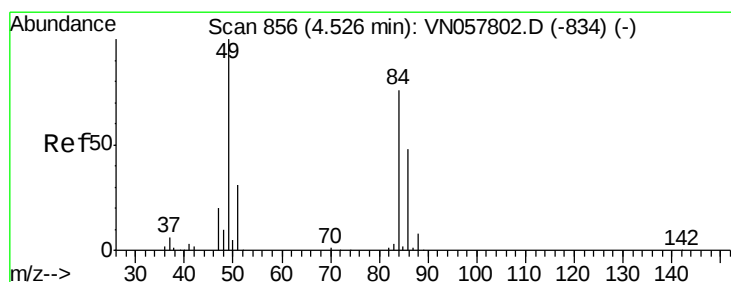
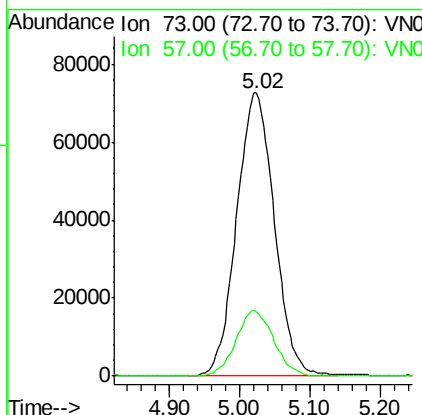
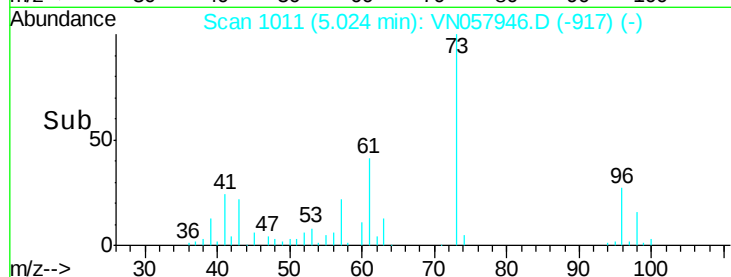
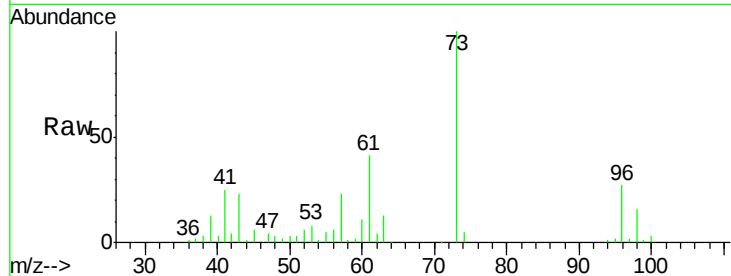
#19
Methvl tert-butvl Ether
Concen: 20.250 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion: 73 Resp: 271074
Ion Ratio Lower Upper
73 100
57 22.9 18.2 27.2

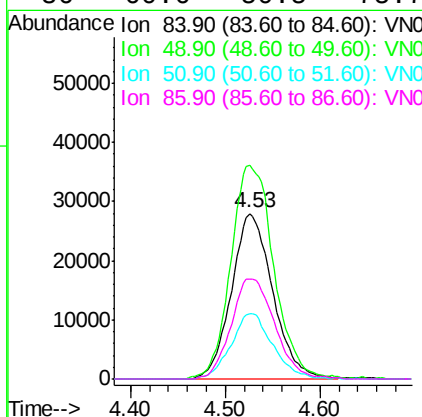
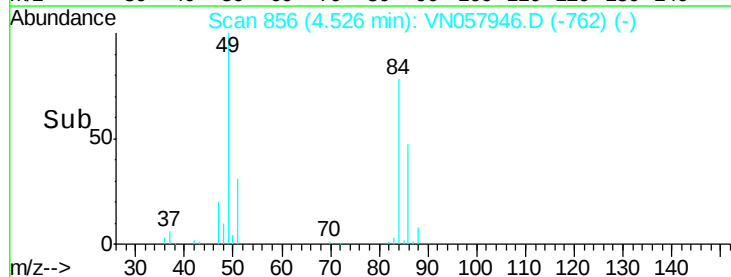
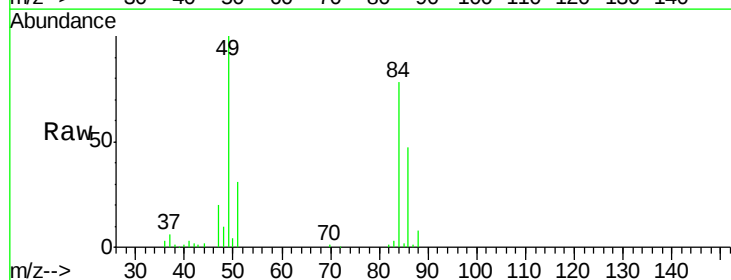
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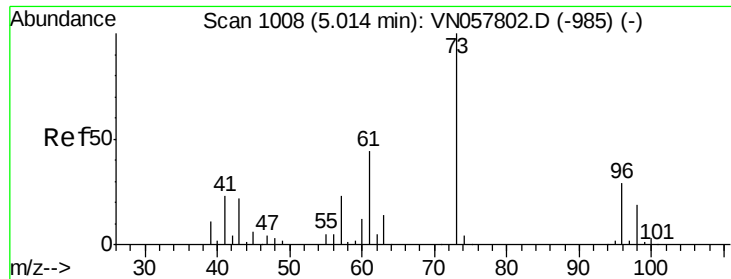
MMDadoda
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#20
Methylene Chloride
Concen: 21.559 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Tgt Ion: 84 Resp: 84994
Ion Ratio Lower Upper
84 100
49 128.2 104.8 157.2
51 39.6 33.0 49.4
86 60.6 50.5 75.7





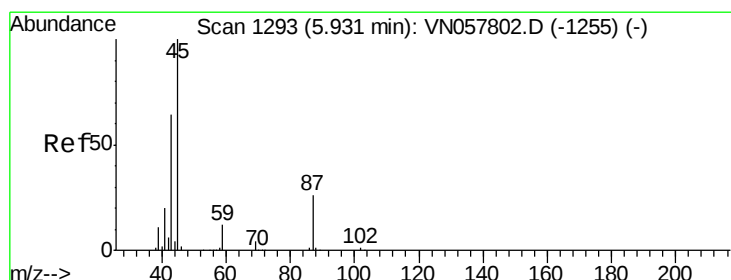
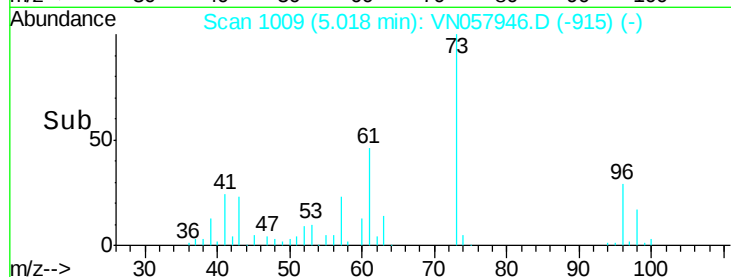
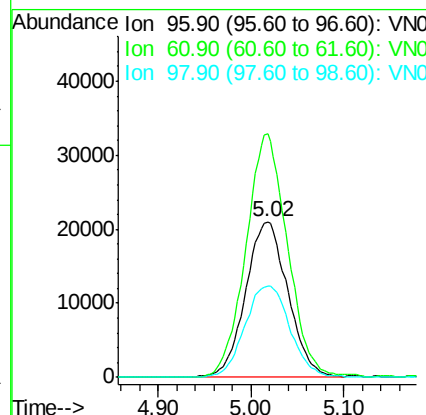
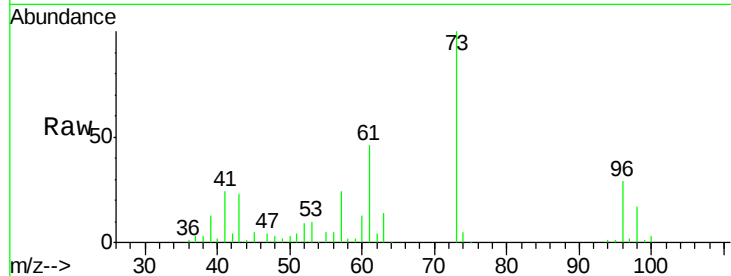
#21
trans-1,2-Dichloroethene
Concen: 19.146 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.7	121.9	182.9
98	58.9	52.2	78.4

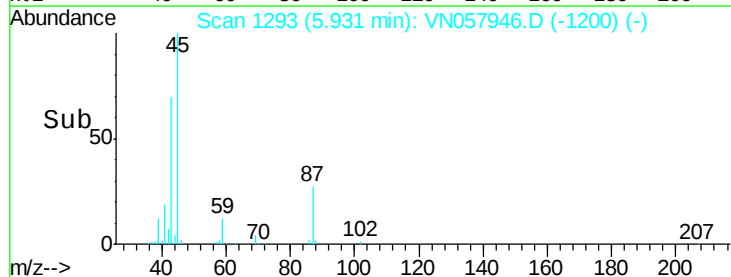
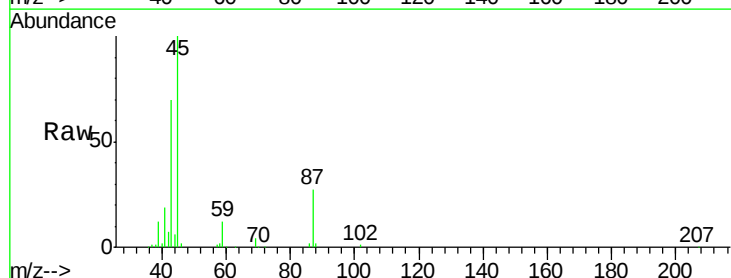
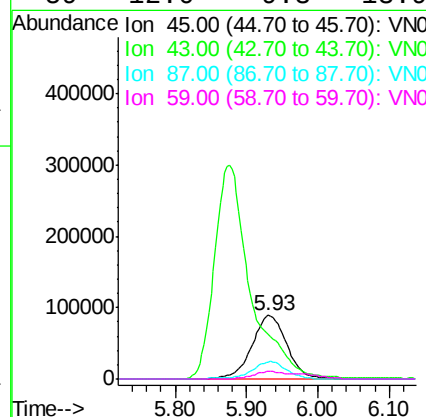
Manual Integrations
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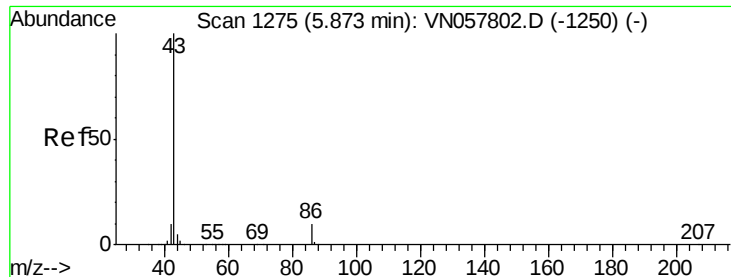
MMDadoda
9/13/2019 11:07:07 AM



#22
Diisopropyl ether
Concen: 20.486 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.0	51.4	77.2
87	26.9	21.3	31.9
59	12.0	9.3	13.9





#23

Vinyl Acetate

Concen: 100.701 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBSD01

Tot Ion: 43 Resp: 1053547

Ion Ratio Lower Upper

43 100

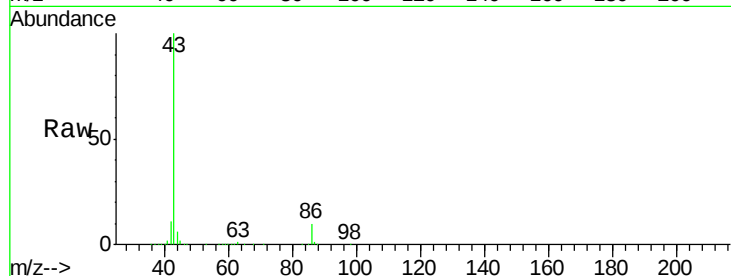
86 9.5 7.7 11.5

Manual Integrations

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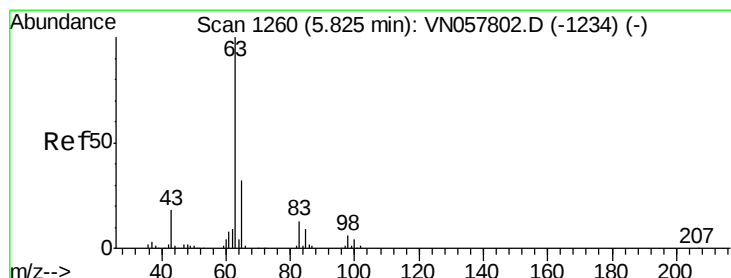
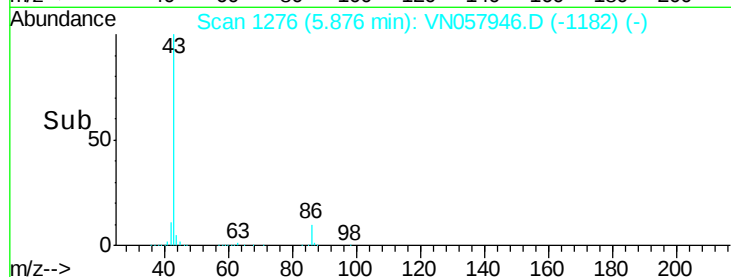
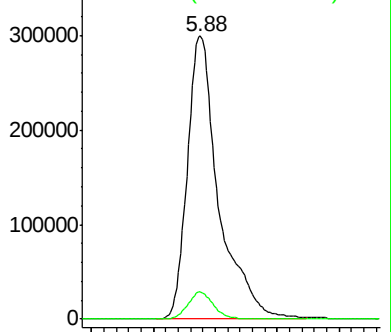
MMDadoda

9/13/2019 11:07:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.164 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

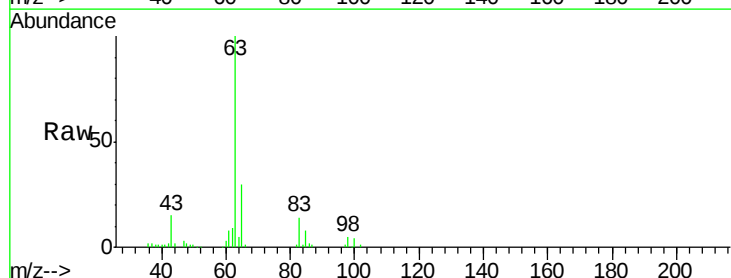
Tgt Ion: 63 Resp: 162682

Ion Ratio Lower Upper

63 100

98 5.2 3.0 9.2

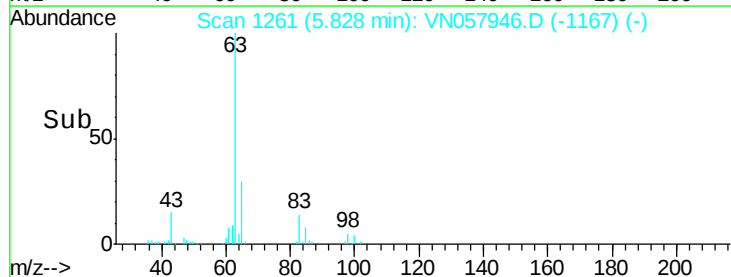
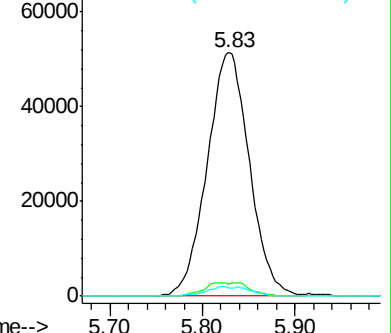
100 3.5 2.0 5.8

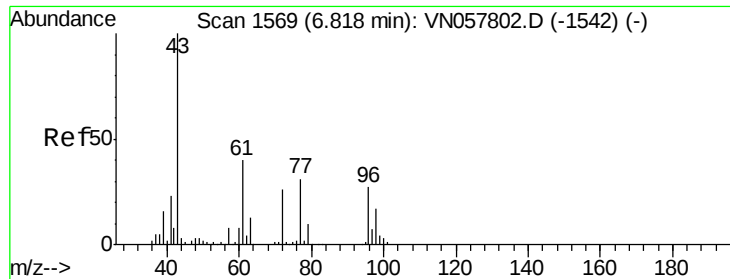


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 97.076 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBSD01

Tot Ion: 43 Resp: 281813

Ion Ratio Lower Upper

43 100

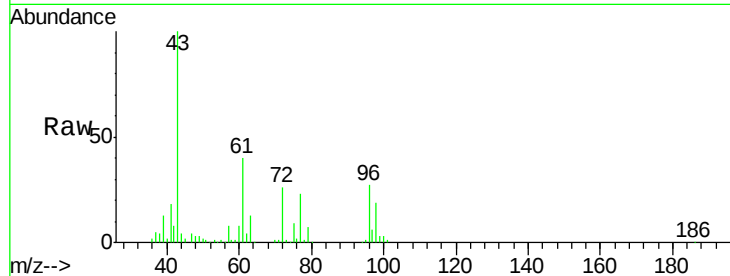
72 26.1 20.6 30.8

Manual Integrations

APPROVED

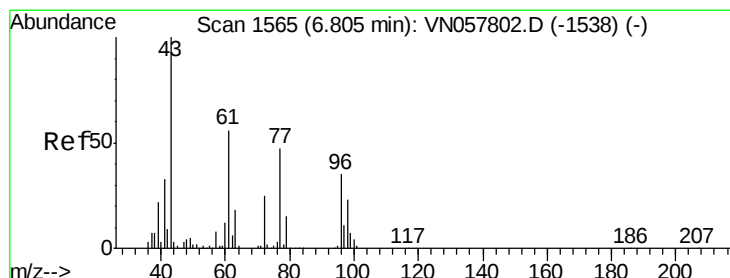
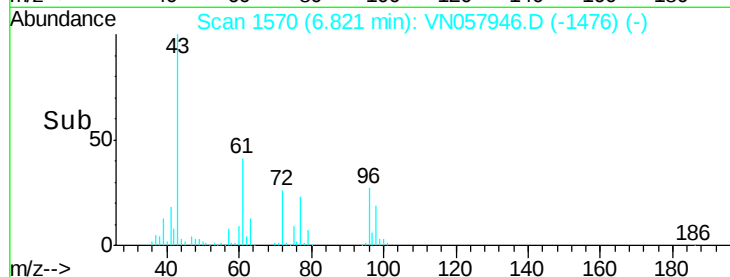
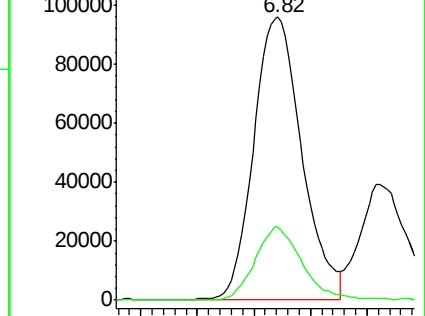
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 14.628 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057946.D

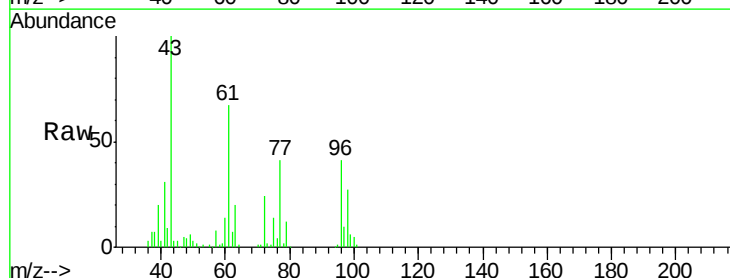
Acq: 11 Sep 2019 23:51

Tgt Ion: 77 Resp: 93396

Ion Ratio Lower Upper

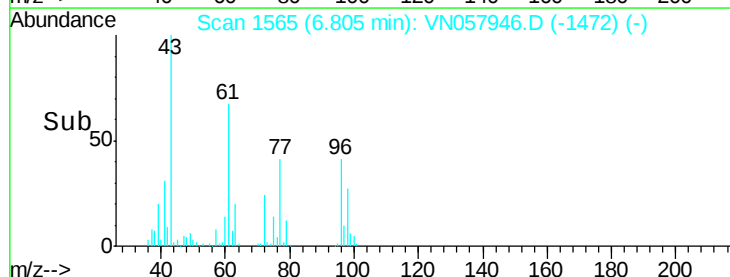
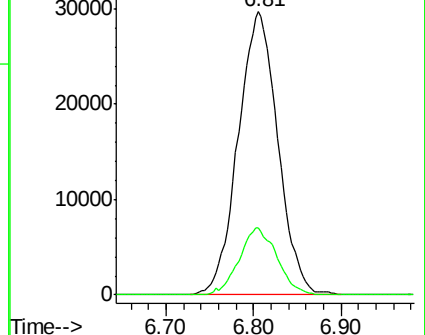
77 100

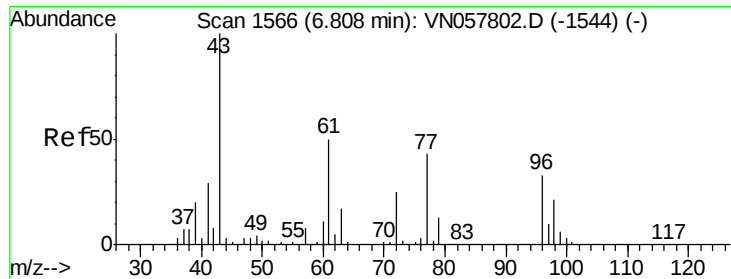
97 22.6 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.669 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

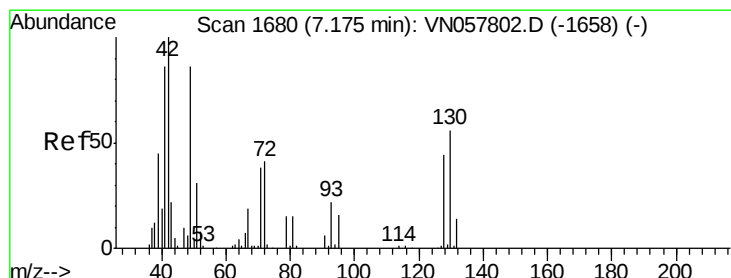
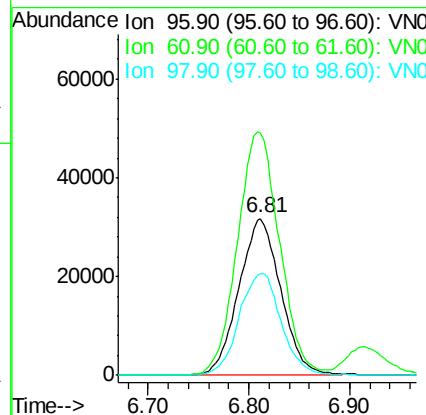
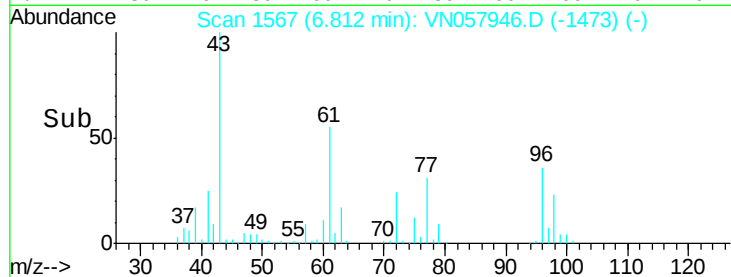
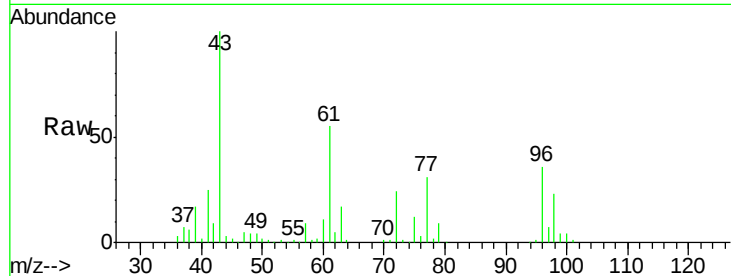
ClientSampleId :

VN0912WBSD01

Tot Ion:	96	Resp:	91654
Ion	Ratio	Lower	Upper
96	100		
61	156.1	0.0	314.0
98	65.0	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 20.927 ug/l

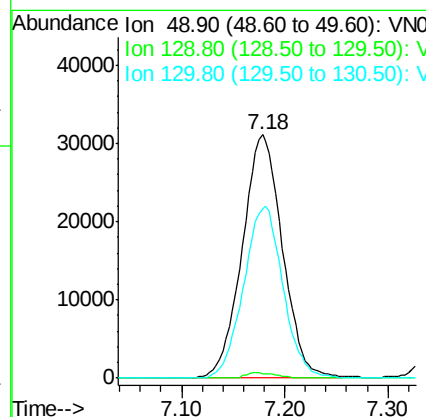
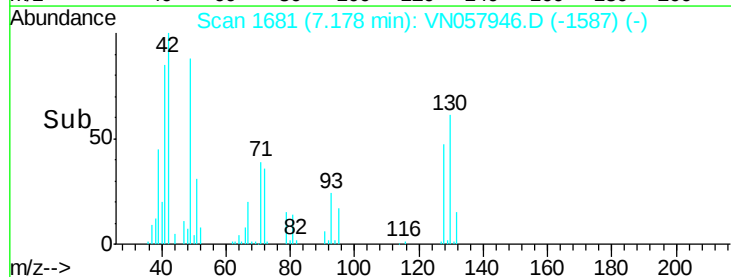
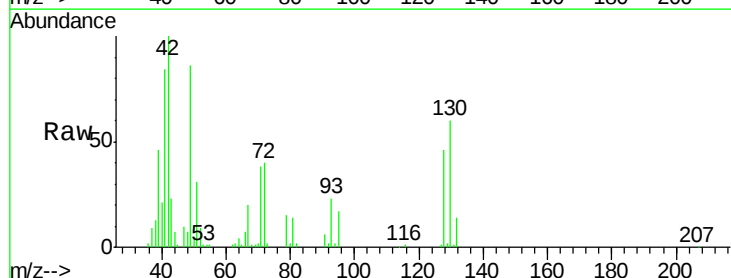
RT: 7.18 min Scan# 1681

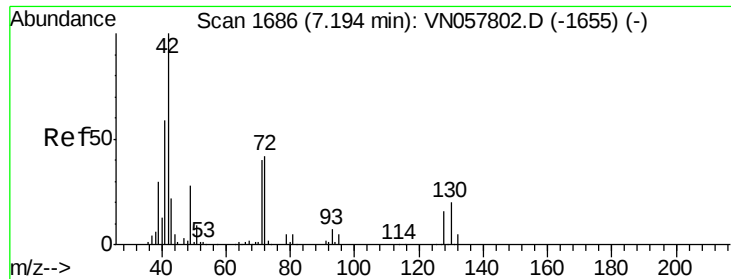
Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Tgt Ion:	49	Resp:	84350
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	68.9	53.0	79.6





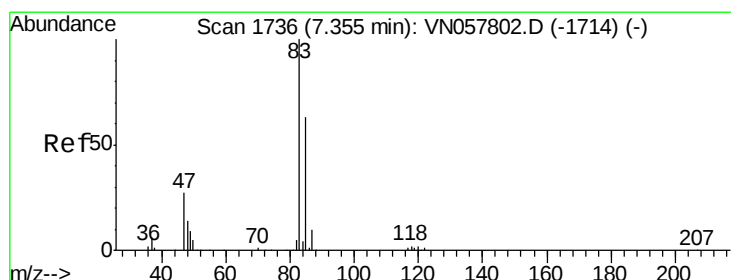
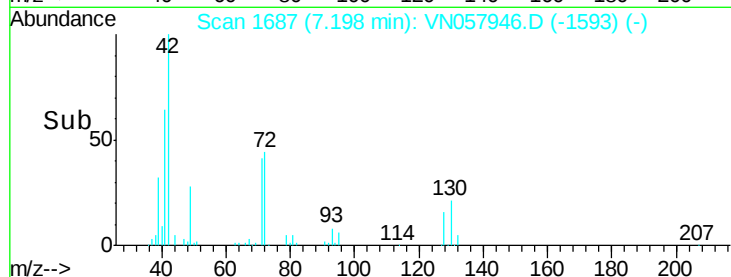
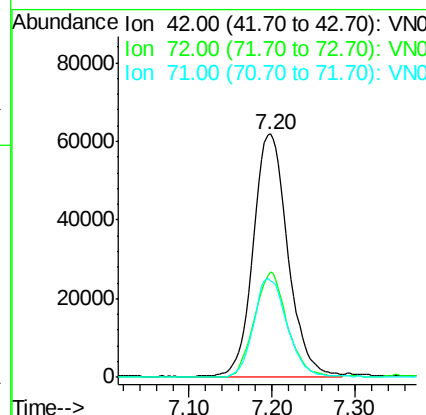
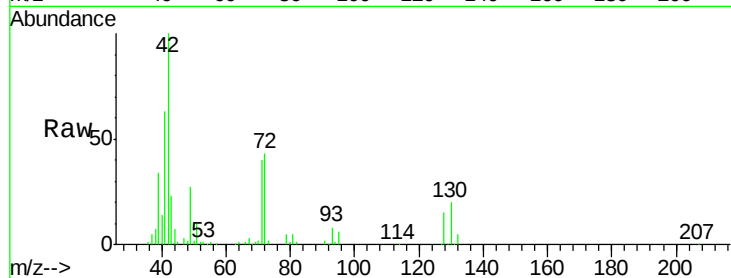
#29
Tetrahydrofuran
Concen: 100.971 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	33.7	50.5
71	39.2	31.9	47.9

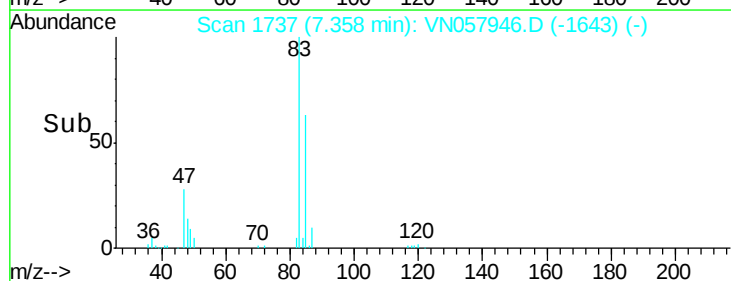
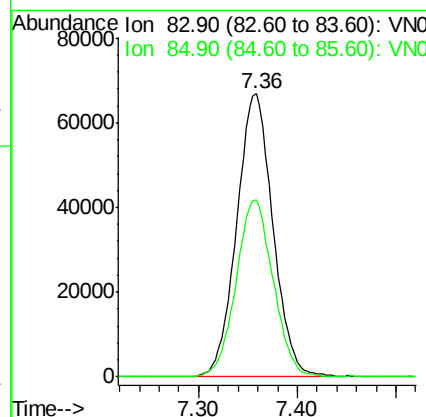
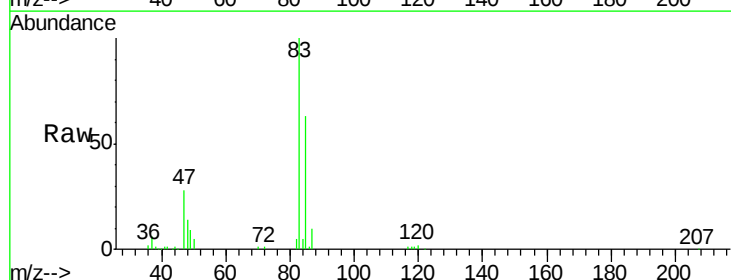
Manual Integrations
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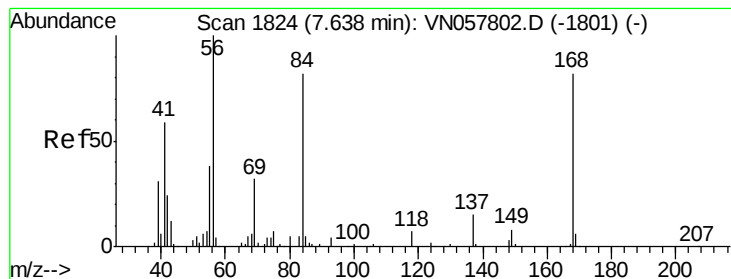
MMDadoda
9/13/2019 11:07:07 AM



#30
Chloroform
Concen: 20.219 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.6	75.8





#31

Cyclohexane

Concen: 19.909 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

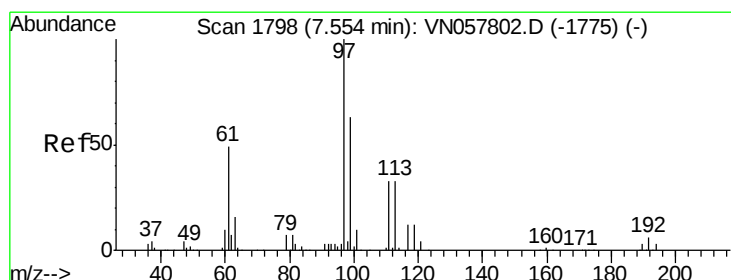
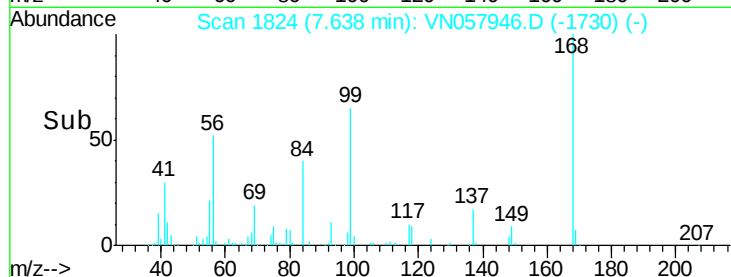
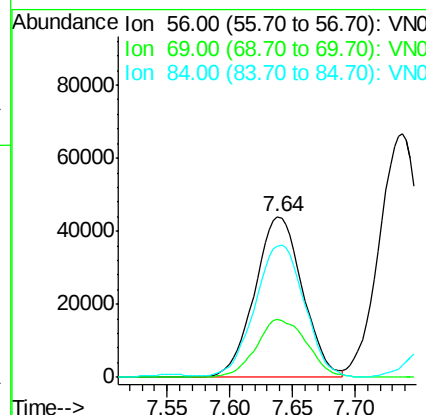
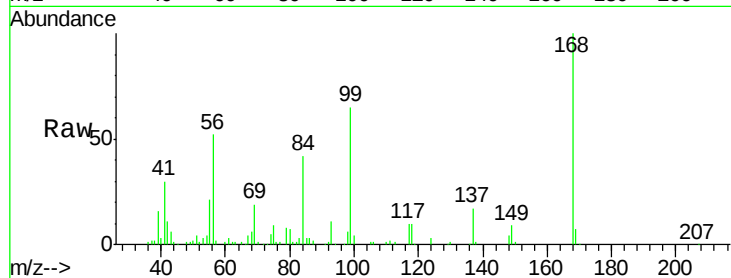
ClientSampleId :

VN0912WBSD01

Tot Ion:	56	Resp:	116859
Ion Ratio		Lower	Upper
56	100		
69	35.8	25.9	38.9
84	79.8	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.336 ug/l

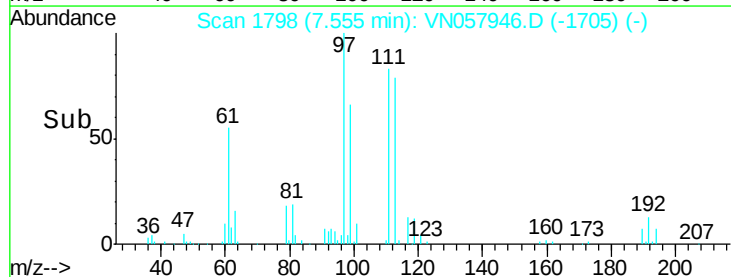
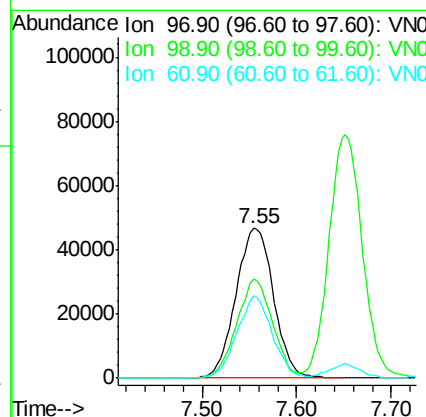
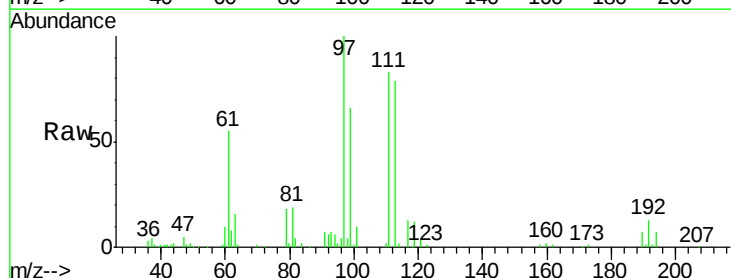
RT: 7.55 min Scan# 1798

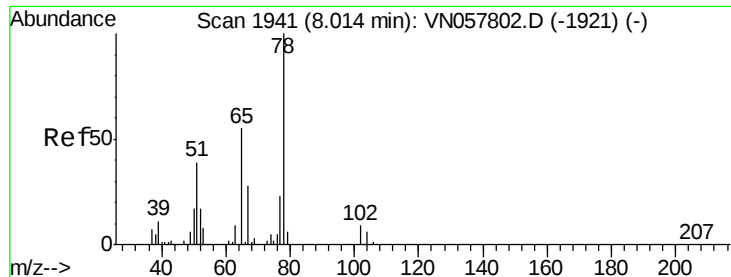
Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Tgt Ion:	97	Resp:	129364
Ion Ratio		Lower	Upper
97	100		
99	62.9	51.0	76.4
61	51.3	39.0	58.6





#33

1,2-Dichloroethane-d4

Concen: 52.566 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBSD01

Tot Ion: 65 Resp: 321620

Ion Ratio Lower Upper

65 100

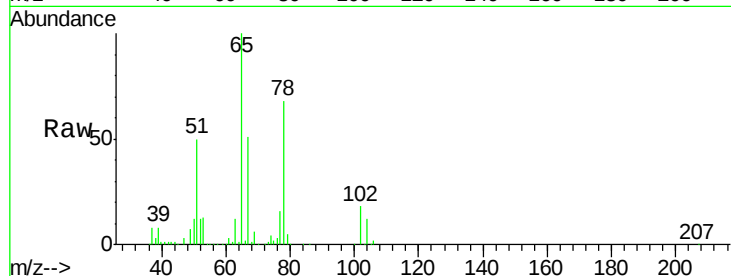
67 51.3 0.0 104.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN057802.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN057802.D (-1921) (-)

8.01

150000

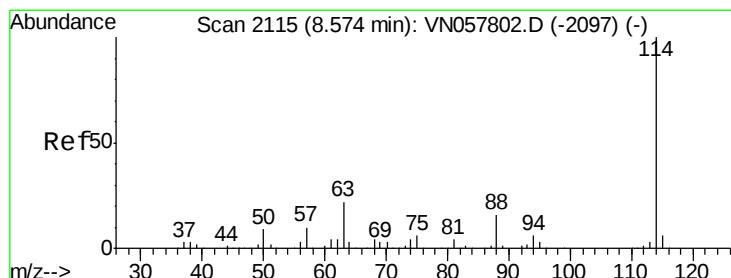
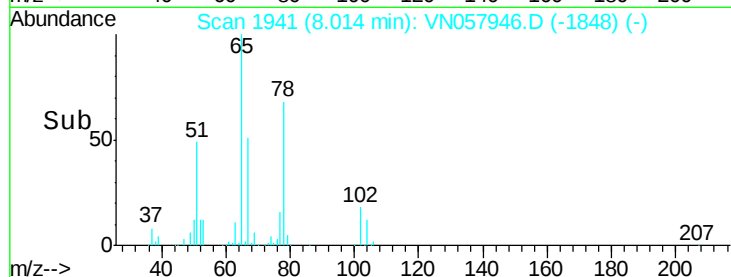
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

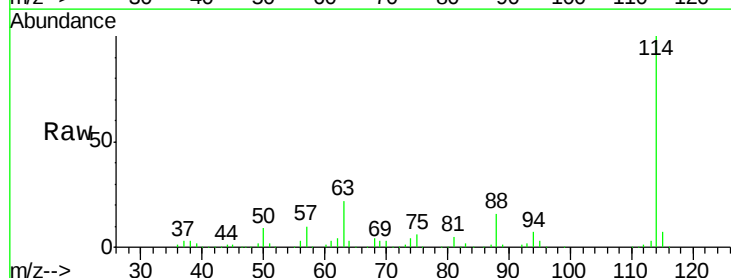
Tgt Ion: 114 Resp: 505374

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.0

88 15.7 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN057802.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN057802.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN057802.D (-2097) (-)

8.58

300000

250000

200000

150000

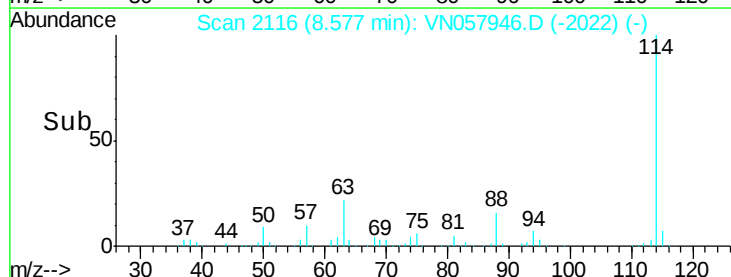
100000

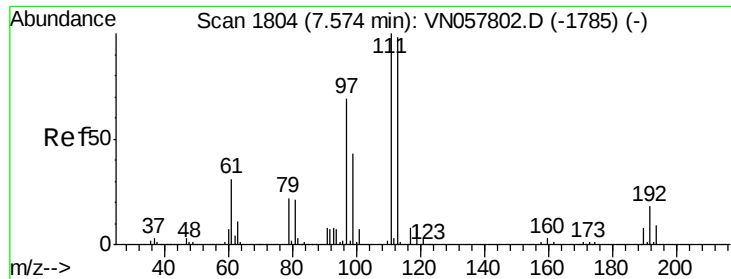
50000

0

8.50 8.55 8.60 8.65 8.70

Time-->





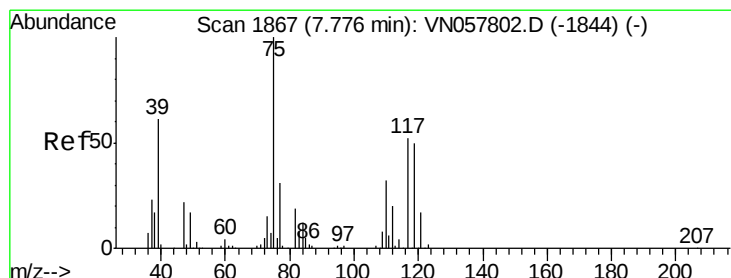
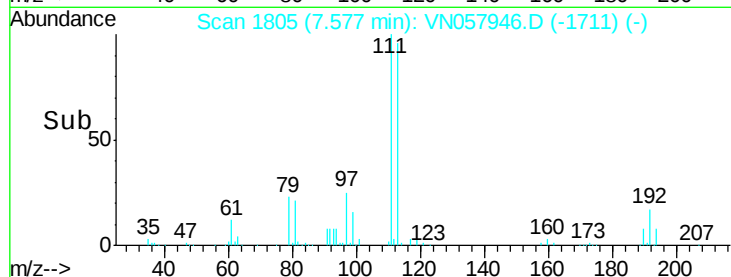
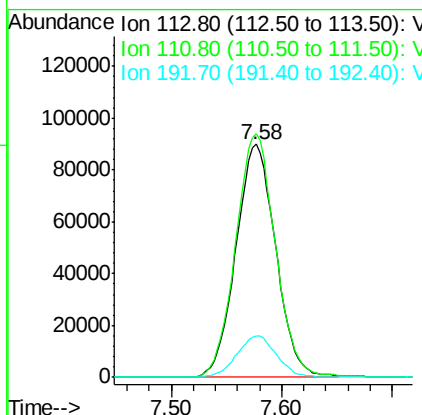
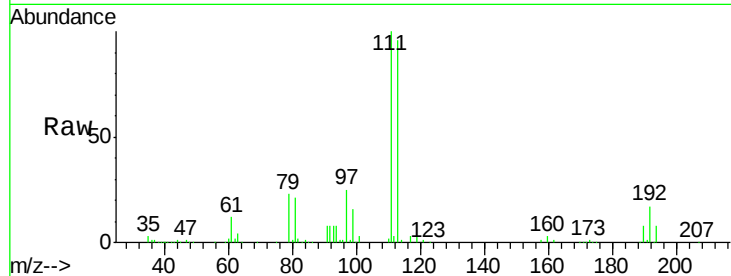
#35
 Dibromofluoromethane
 Concen: 48.279 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	225194		
111	104.3	81.3	121.9	
192	17.9	14.6	22.0	

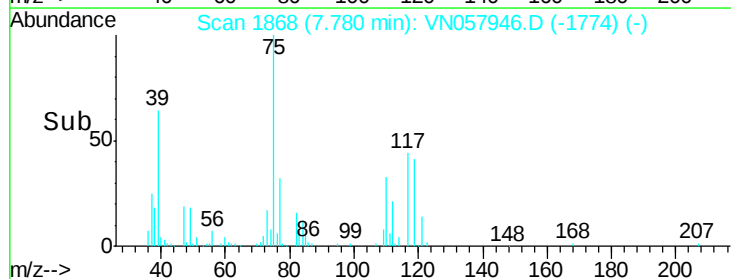
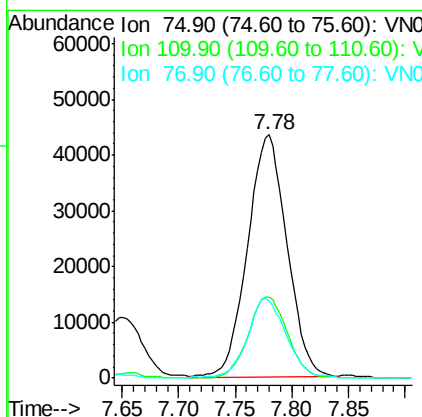
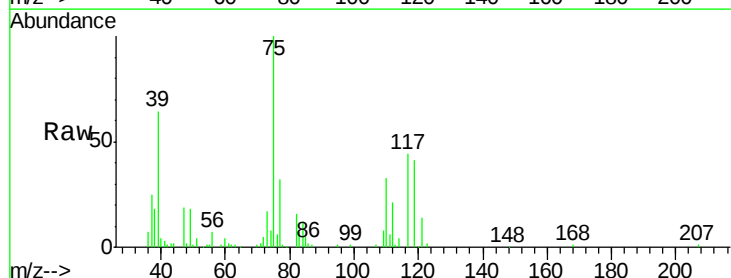
Manual Integrations
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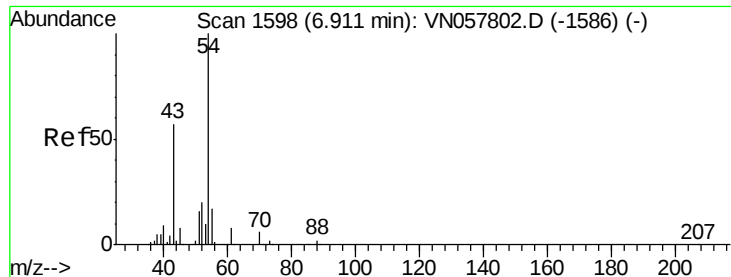
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 17.876 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	104772		
110	33.4	16.3	48.9	
77	32.7	25.0	37.4	





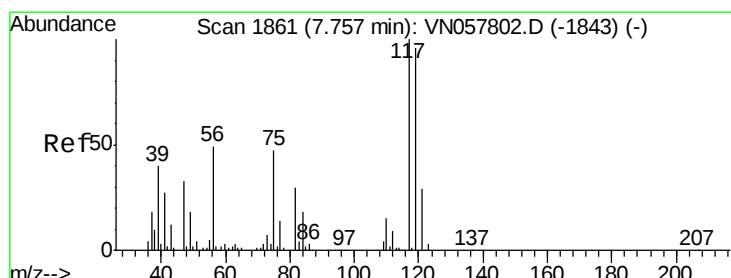
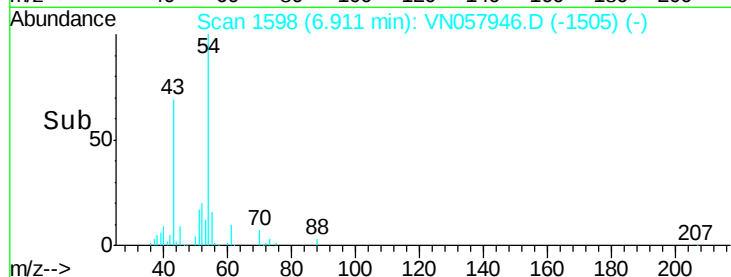
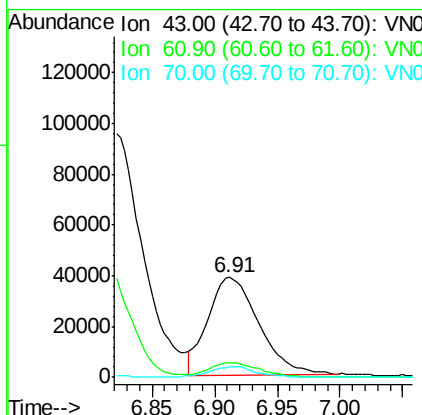
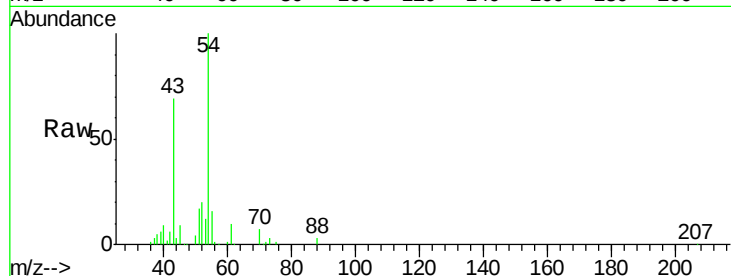
#37
Ethyl Acetate
Concen: 17.879 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.5	15.7
70	10.1	7.4	11.0

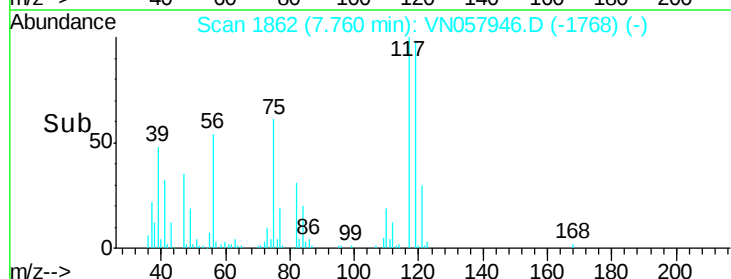
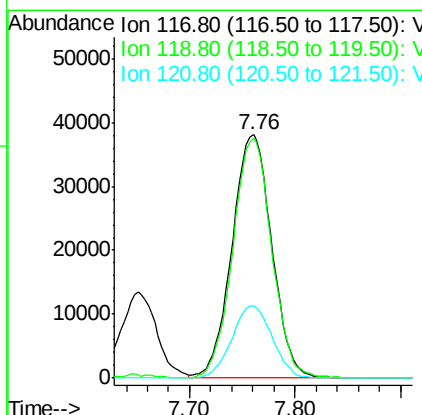
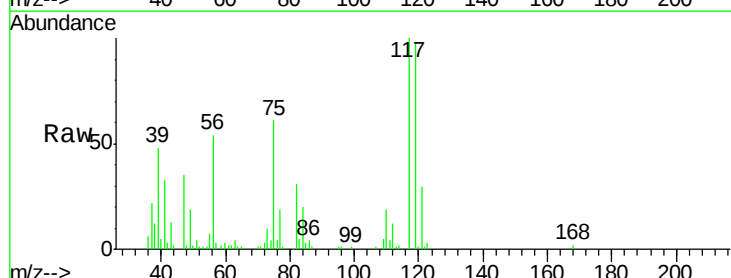
Manual Integrations
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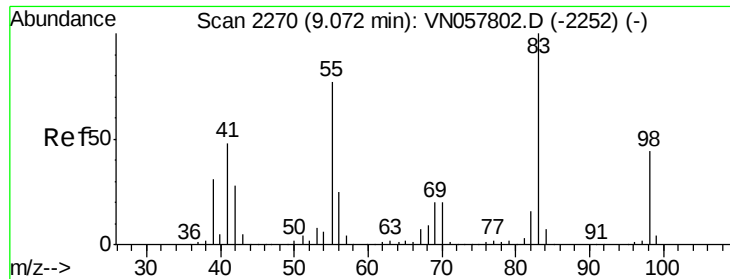
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.657 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.9	115.3
121	29.7	23.4	35.2





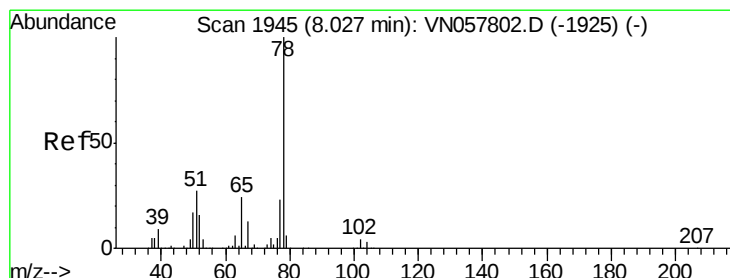
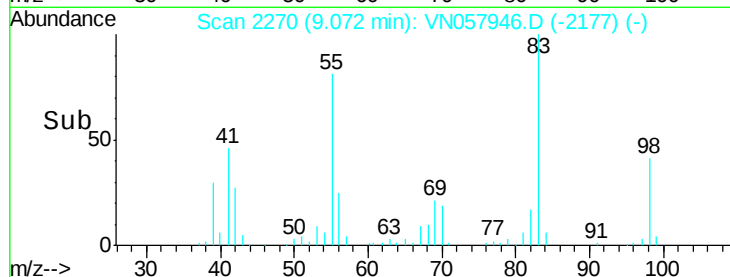
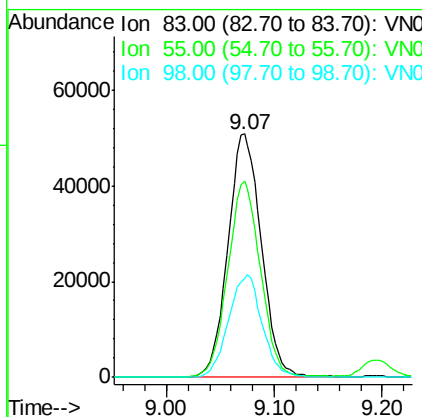
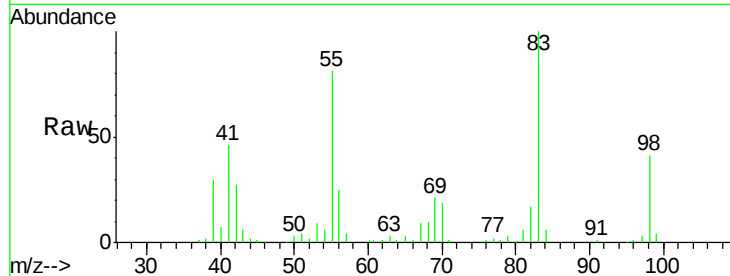
#39
Methvlcvclohexane
Concen: 17.826 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion	83.00	Resp	109829
Ion	Ratio	Lower	Upper
83	100		
55	80.5	61.6	92.4
98	40.8	34.9	52.3

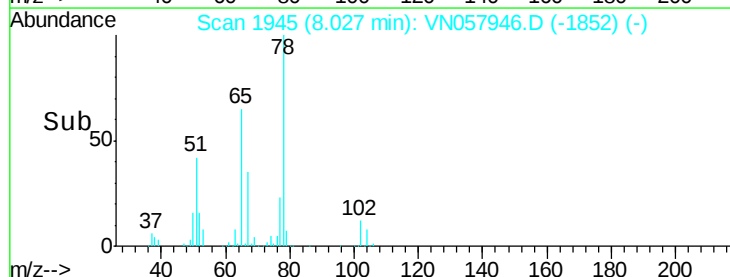
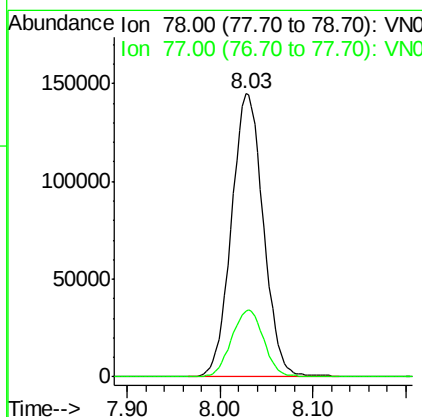
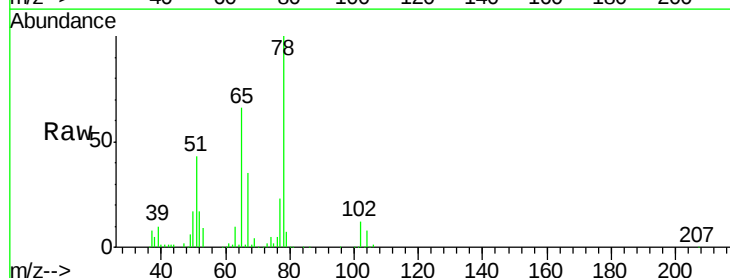
Manual Integrations
APPROVED

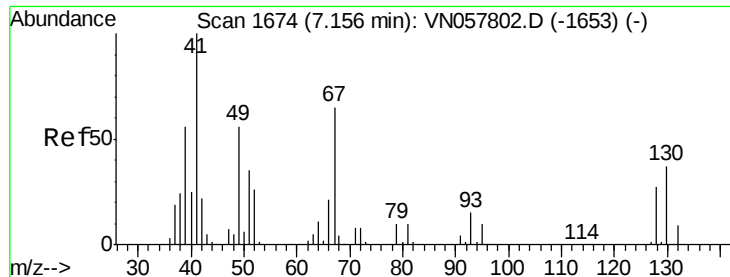
MMDadoda
9/13/2019 11:07:07 AM



#40
Benzene
Concen: 19.587 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Tgt Ion	78.00	Resp	345614
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.3	27.5





#41

Methacrylonitrile

Concen: 19.553 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBSD01

Tot Ion: 41 Resp: 53746

Ion Ratio Lower Upper

41 100

39 57.3 51.0 76.6

67 87.8 70.7 106.1

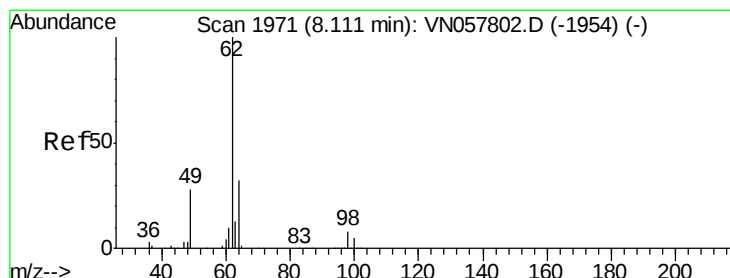
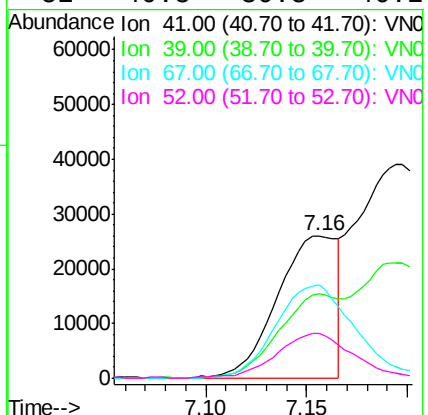
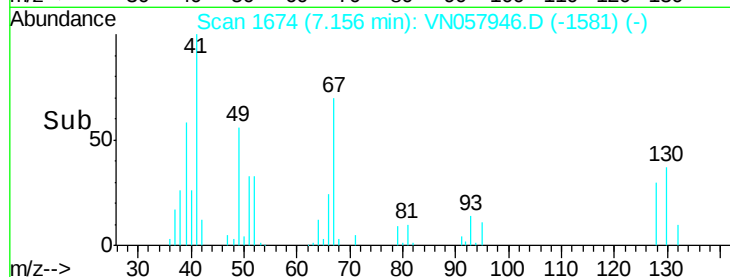
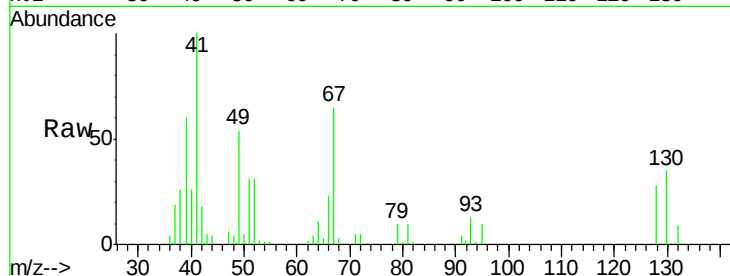
52 40.8 30.8 46.2

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#42

1,2-Dichloroethane

Concen: 19.820 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN057946.D

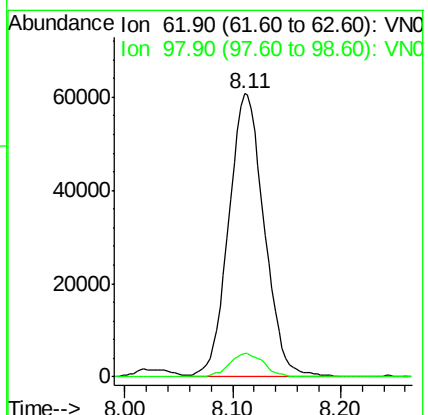
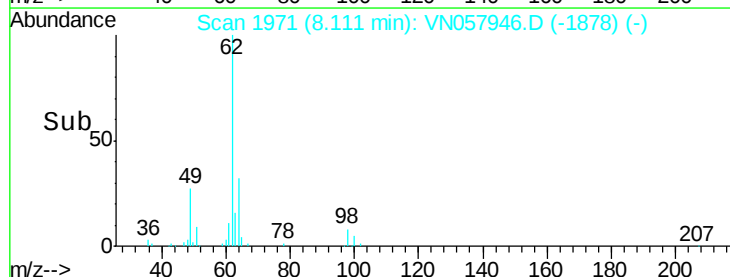
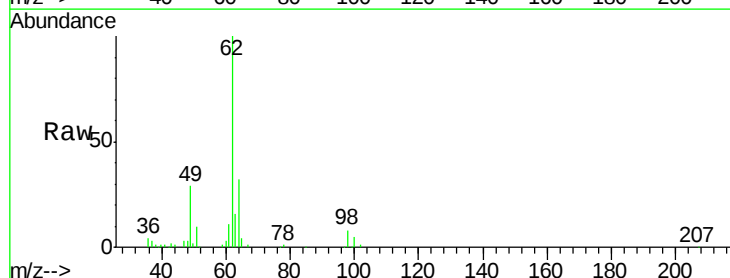
Acq: 11 Sep 2019 23:51

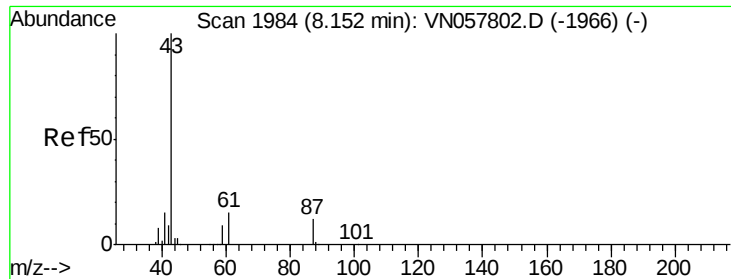
Tgt Ion: 62 Resp: 139874

Ion Ratio Lower Upper

62 100

98 8.1 0.0 15.8





#43

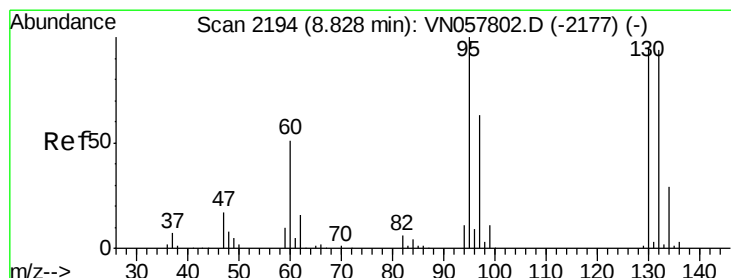
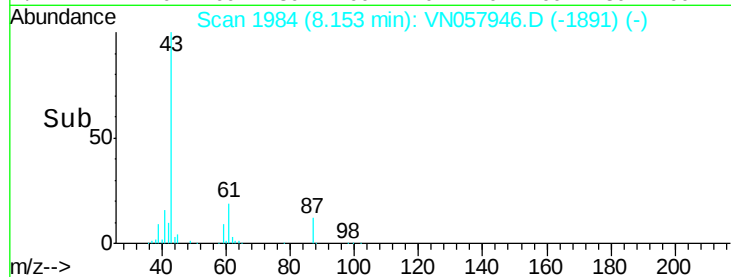
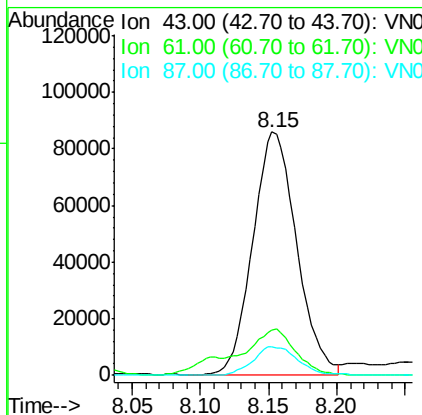
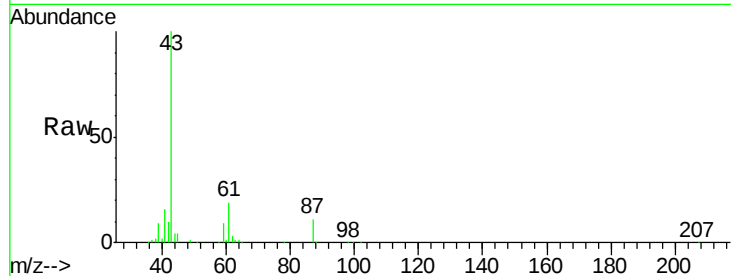
Isopropyl Acetate
 Concen: 18.752 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	20.1	30.1#
87	11.8	9.5	14.3

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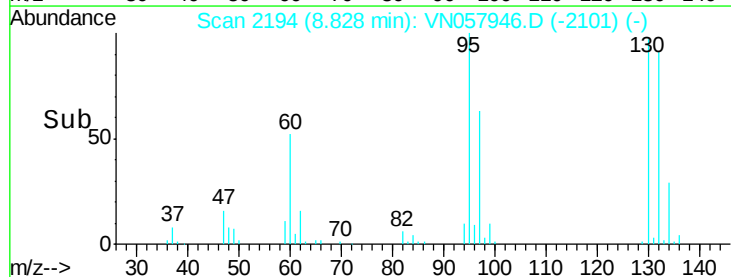
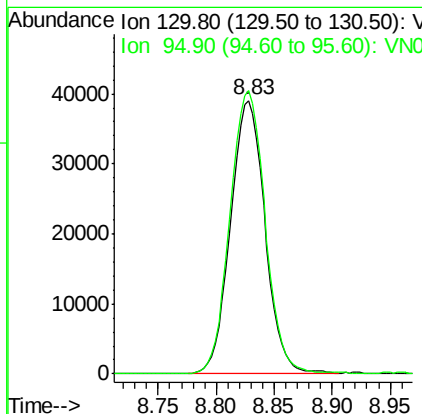
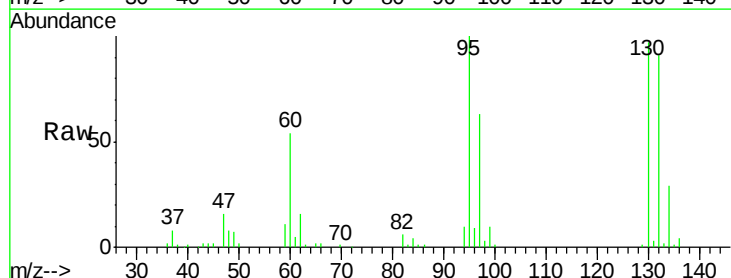
MMDadoda
 9/13/2019 11:07:07 AM

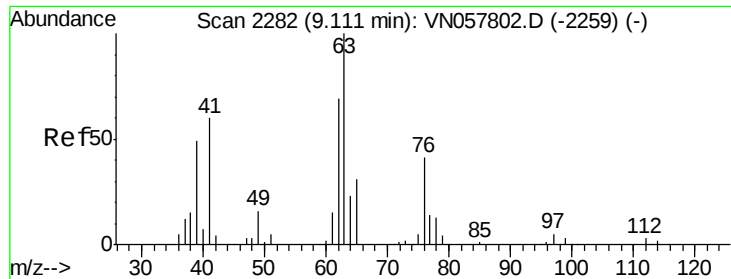


#44

Trichloroethene
 Concen: 18.602 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	211.4





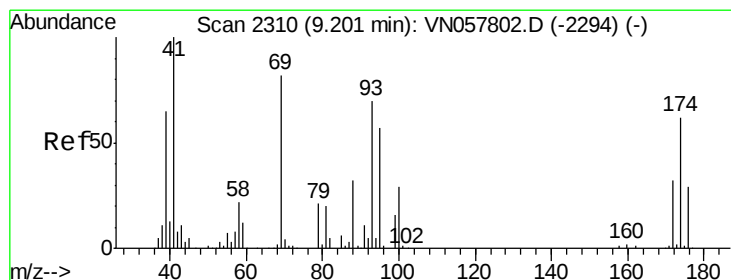
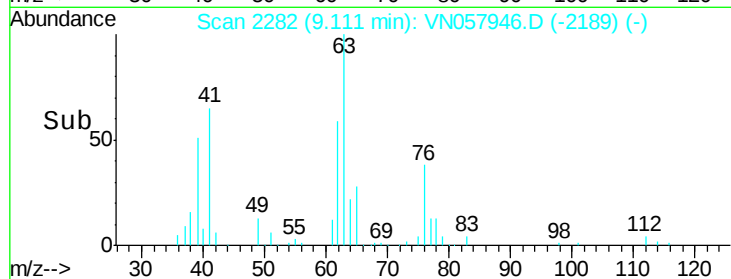
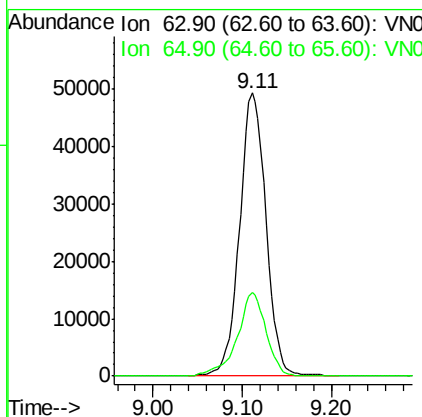
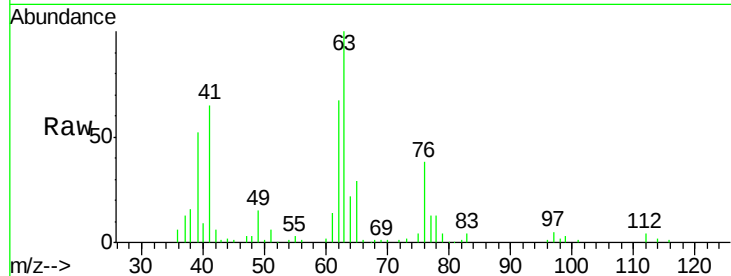
#45
 1,2-Dichloropropane
 Concen: 19.816 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion: 63 Resp: 101744
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.8 37.2

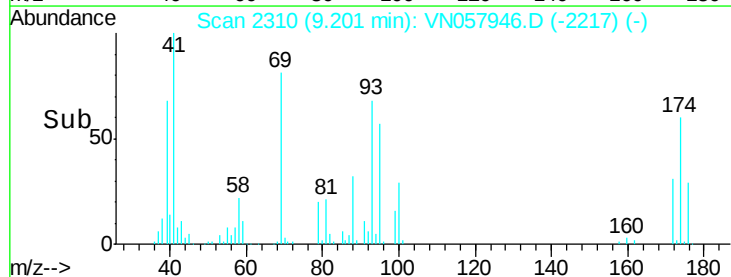
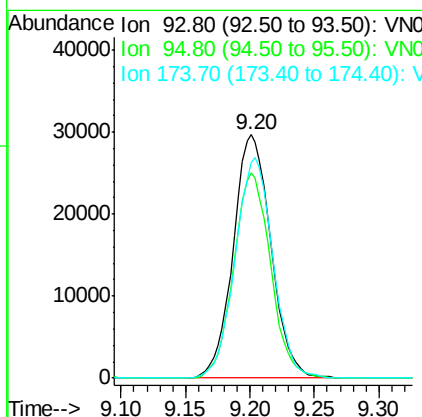
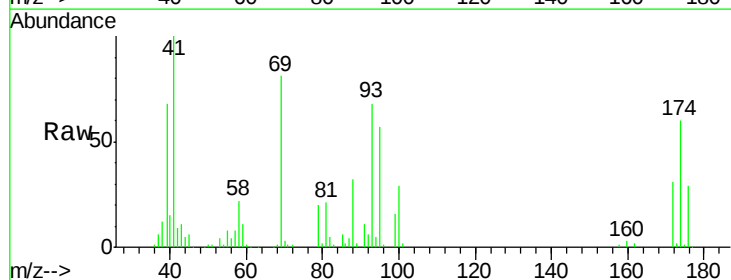
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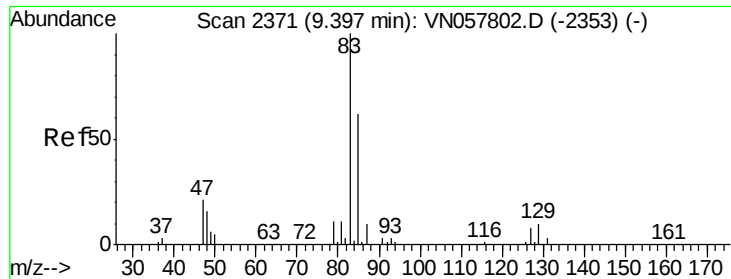
MMDadoda
 9/13/2019 11:07:07 AM



#46
 Dibromomethane
 Concen: 19.532 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Tgt Ion: 93 Resp: 60602
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.9 98.9
 174 90.0 71.8 107.6





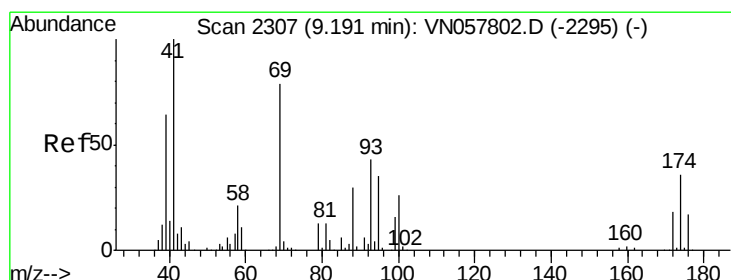
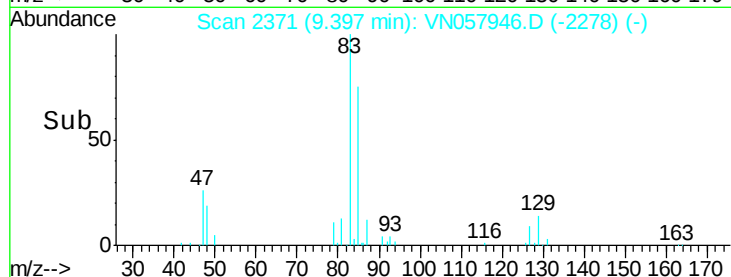
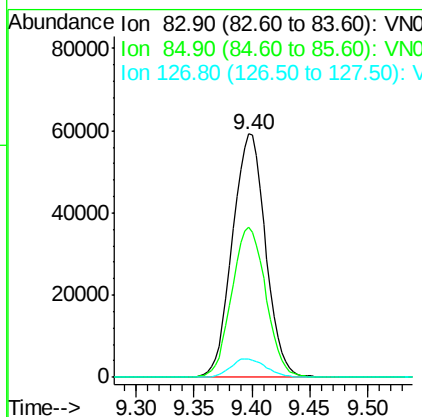
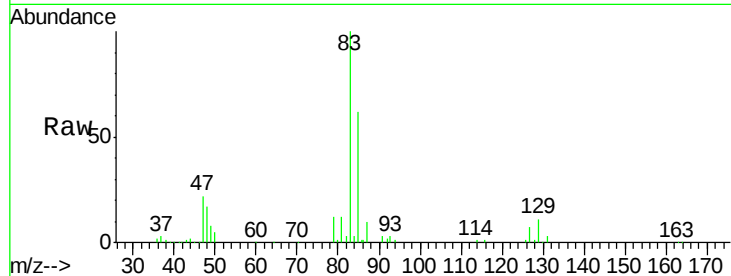
#47
Bromodichloromethane
Concen: 18.944 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion	83	Resp	117371
Ion Ratio	100	Lower	Upper
83	100		
85	61.9	49.9	74.9
127	7.4	6.5	9.7

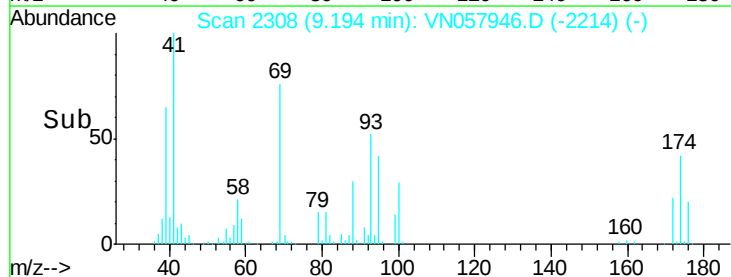
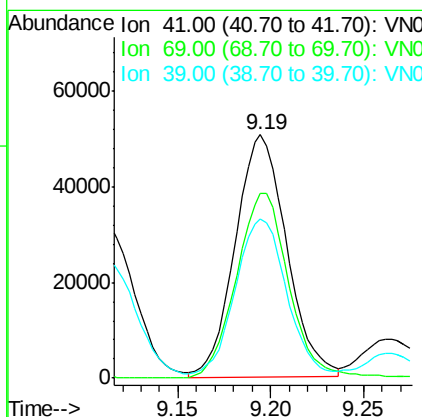
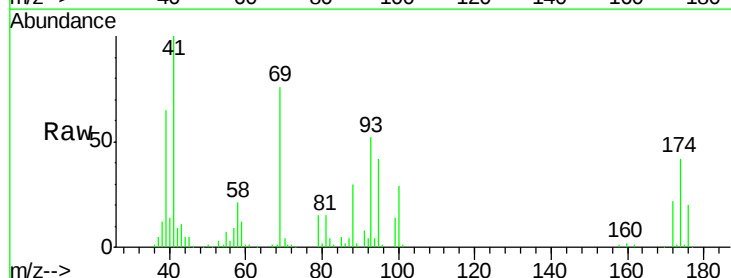
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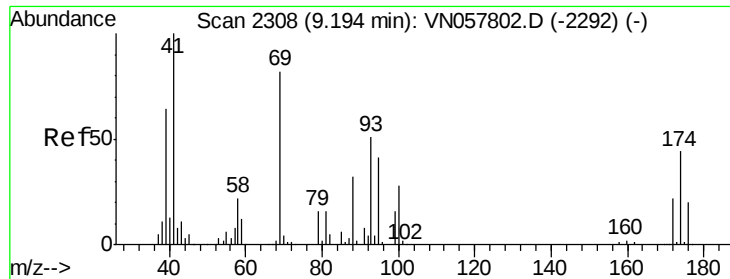
MMDadoda
9/13/2019 11:07:07 AM



#48
Methyl methacrylate
Concen: 18.972 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Tgt Ion	41	Resp	98003
Ion Ratio	100	Lower	Upper
41	100		
69	78.0	62.7	94.1
39	65.9	52.7	79.1





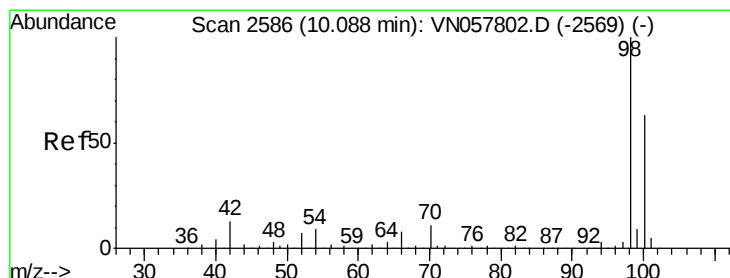
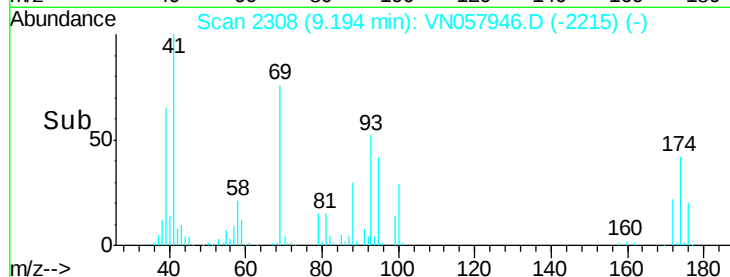
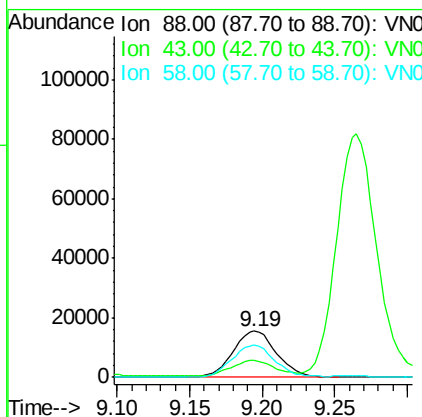
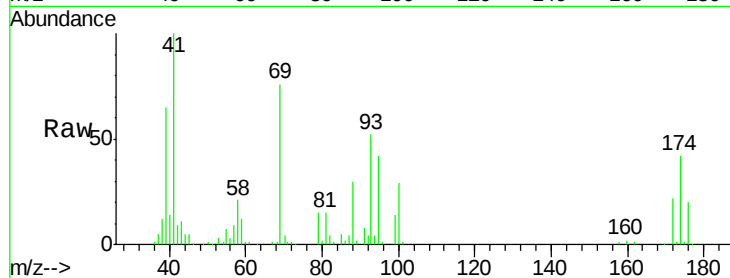
#49
 1,4-Dioxane
 Concen: 373.173 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	28.5	42.7
58	69.2	55.8	83.6

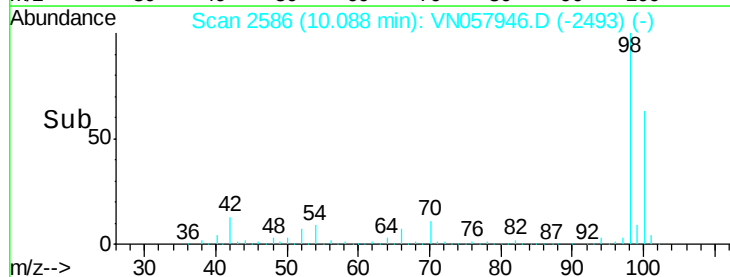
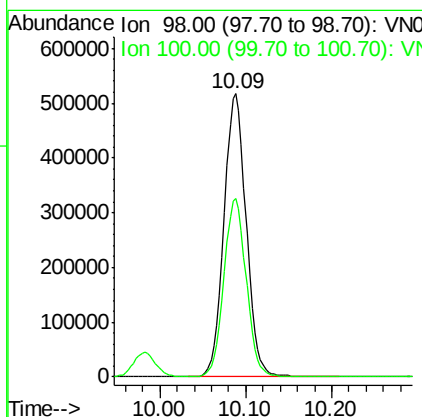
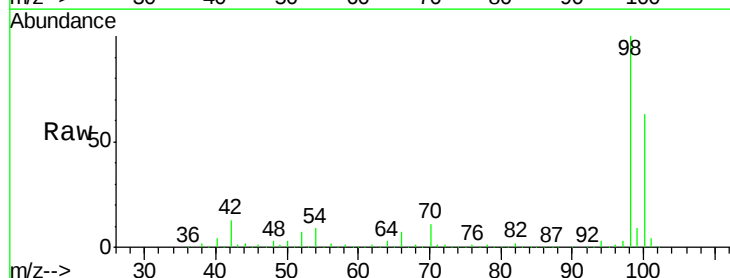
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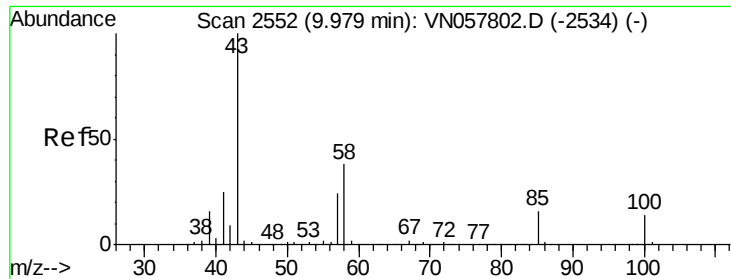
MMDadoda
 9/13/2019 11:07:07 AM



#50
 Toluene-d8
 Concen: 51.462 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 102.692 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBSD01

Tot Ion: 43 Resp: 618847

Ion Ratio Lower Upper

43 100

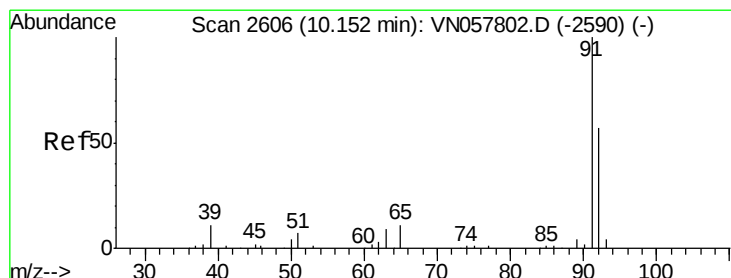
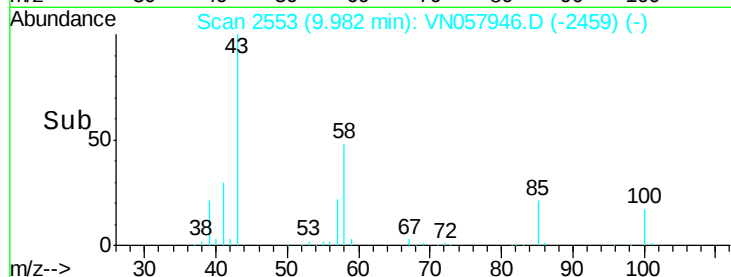
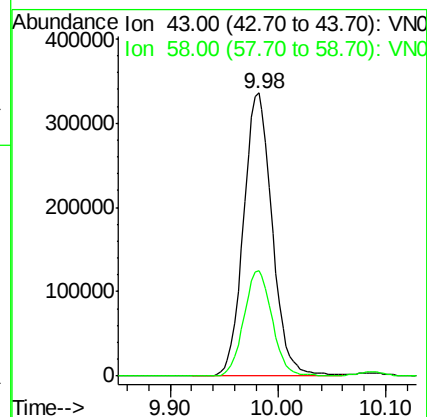
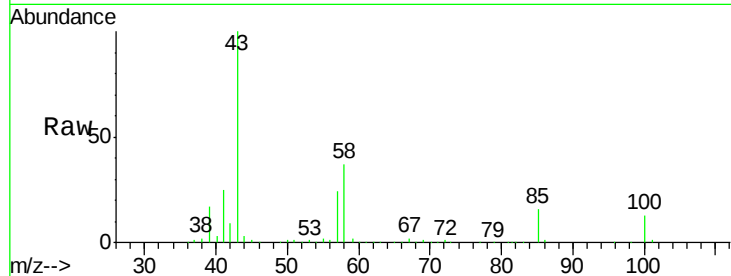
58 37.0 29.8 44.6

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9/13/2019 11:07:07 AM



#52

Toluene

Concen: 19.194 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057946.D

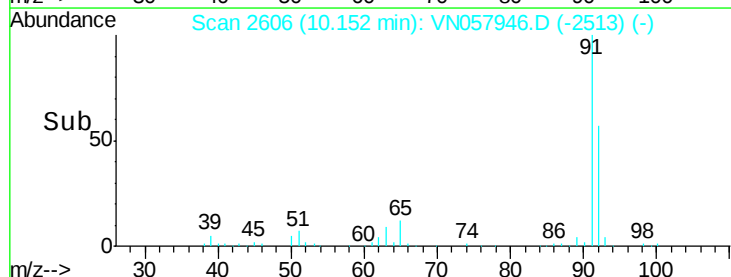
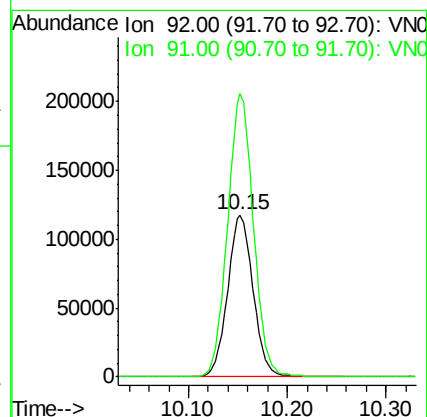
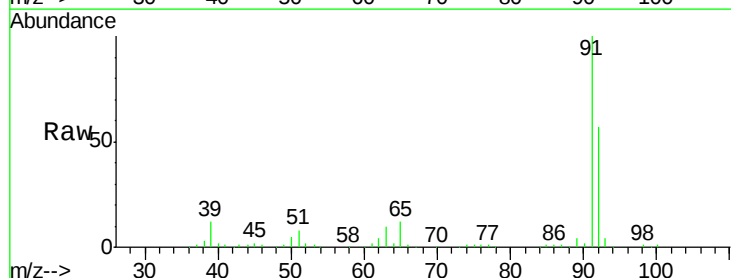
Acq: 11 Sep 2019 23:51

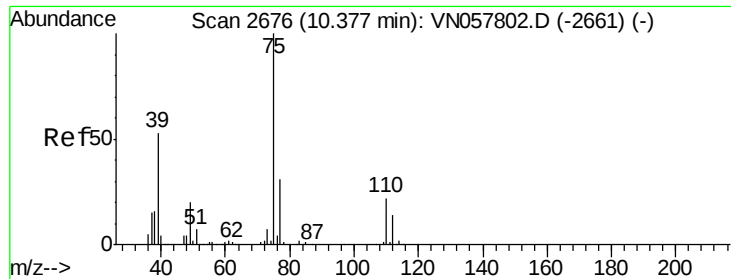
Tgt Ion: 92 Resp: 213315

Ion Ratio Lower Upper

92 100

91 177.4 141.0 211.6





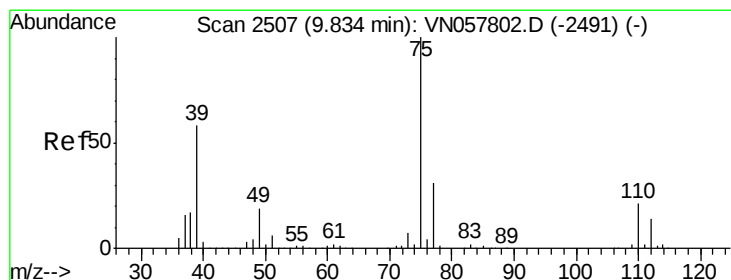
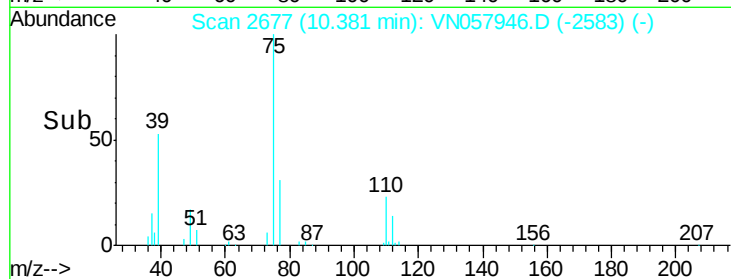
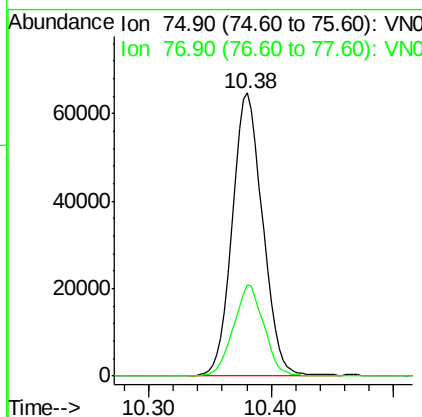
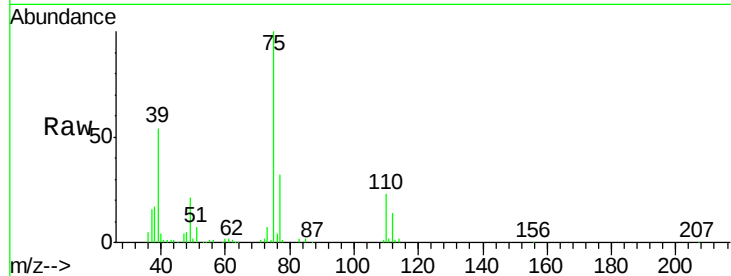
#53
t-1,3-Dichloropropene
Concen: 17.281 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Instrument :
MSVOA_N
ClientSampled :
VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.5	36.7

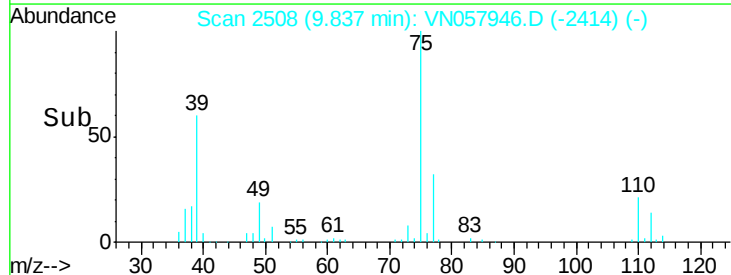
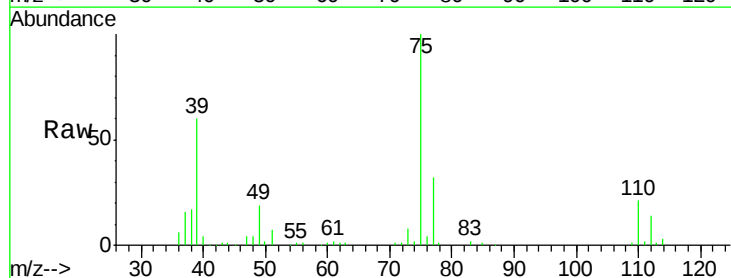
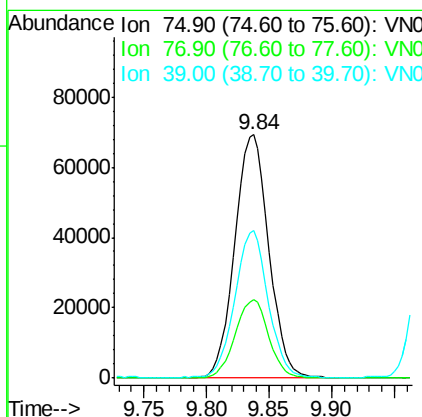
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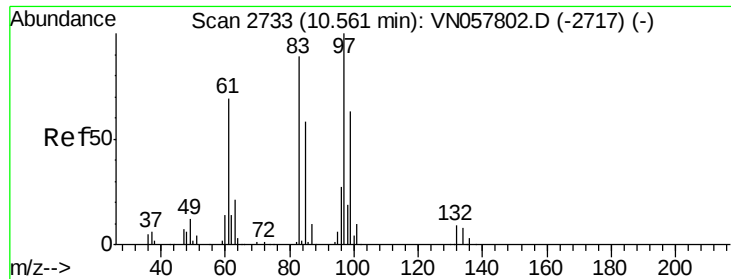
MMDadoda
9/13/2019 11:07:07 AM



#54
cis-1,3-Dichloropropene
Concen: 18.124 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.8	37.2
39	60.1	46.2	69.4





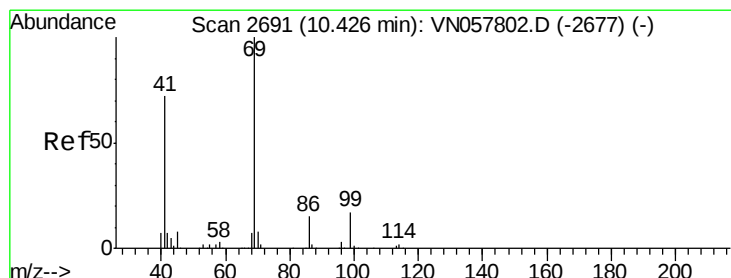
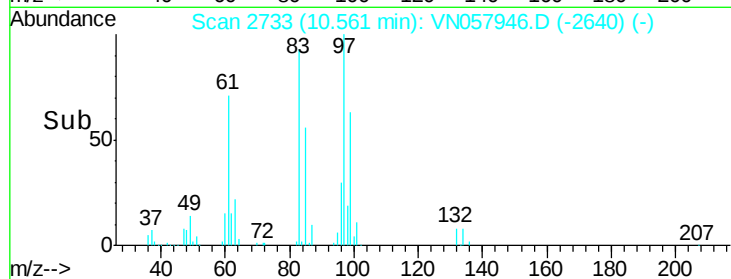
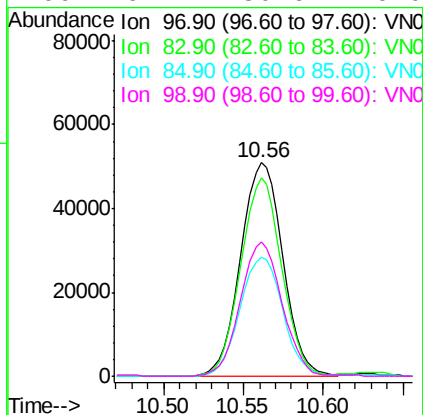
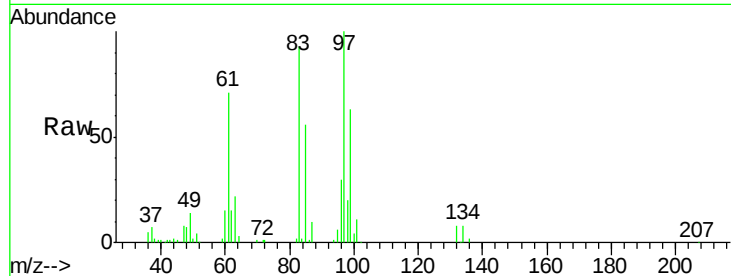
#55
 1,1,2-Trichloroethane
 Concen: 19.473 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion:	97	Resp:	91674
Ion	Ratio	Lower	Upper
97	100		
83	92.7	70.8	106.2
85	55.7	46.0	69.0
99	62.7	50.6	76.0

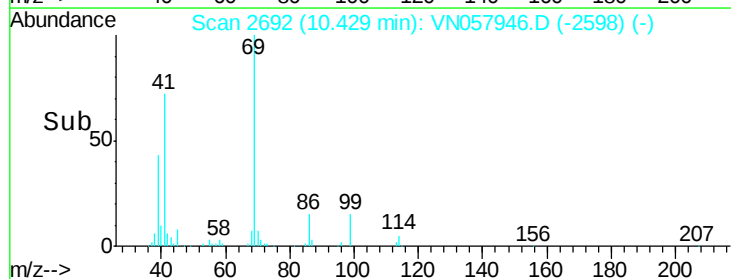
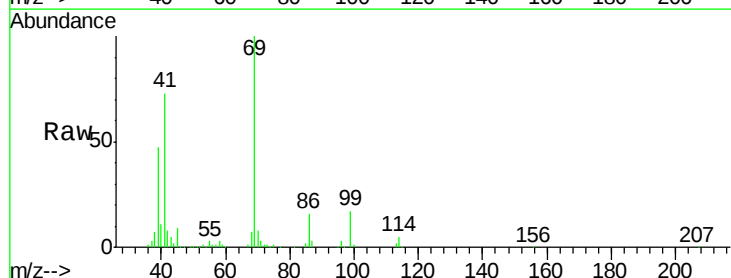
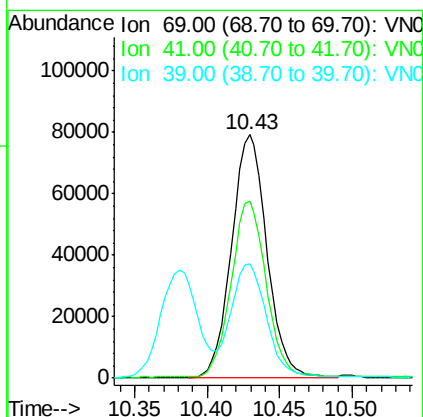
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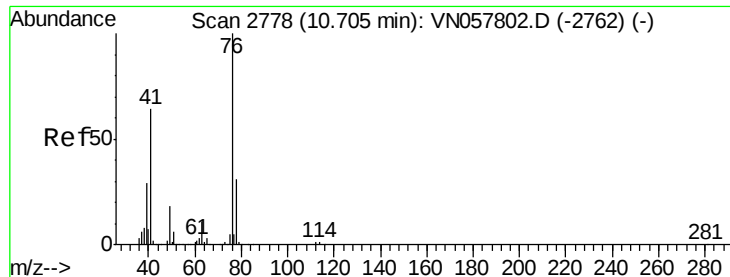
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#56
 Ethyl methacrylate
 Concen: 19.010 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Tgt Ion:	69	Resp:	134767
Ion	Ratio	Lower	Upper
69	100		
41	71.0	56.7	85.1
39	46.1	36.3	54.5





#57

1,3-Dichloropropane

Concen: 19.930 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBSD01

Tot Ion: 76 Resp: 161692

Ion Ratio Lower Upper

76 100

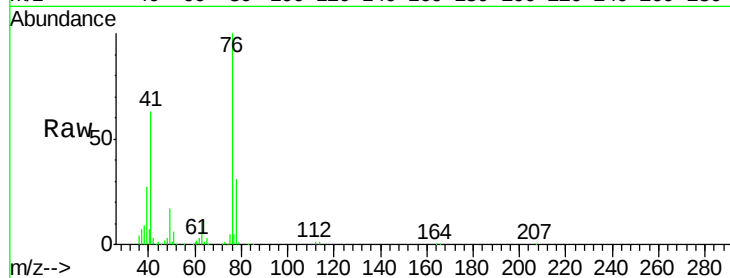
78 32.0 25.4 38.2

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

80000

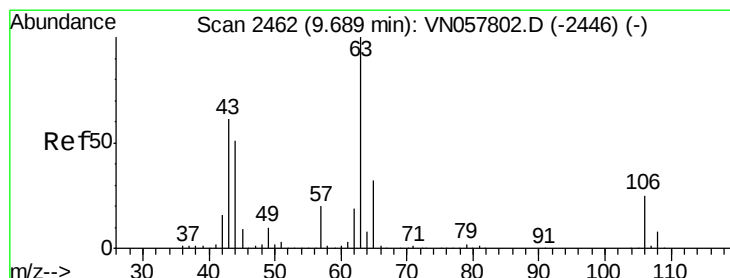
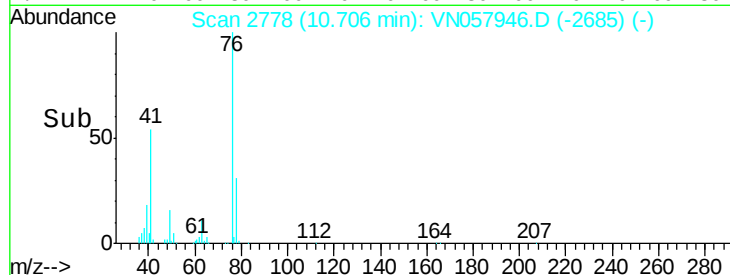
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 100.653 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057946.D

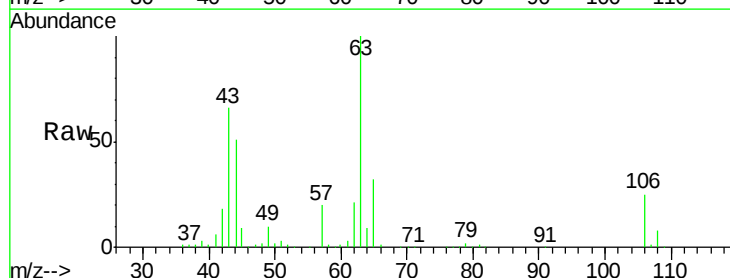
Acq: 11 Sep 2019 23:51

Tgt Ion: 63 Resp: 336079

Ion Ratio Lower Upper

63 100

106 25.2 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

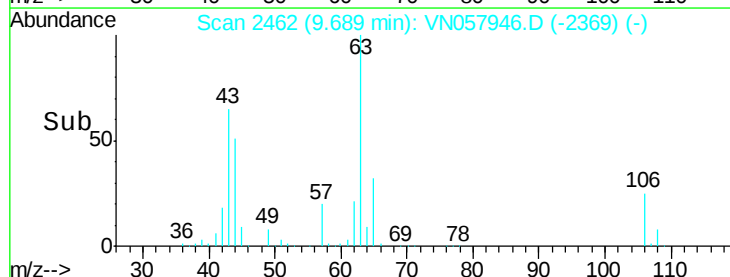
150000

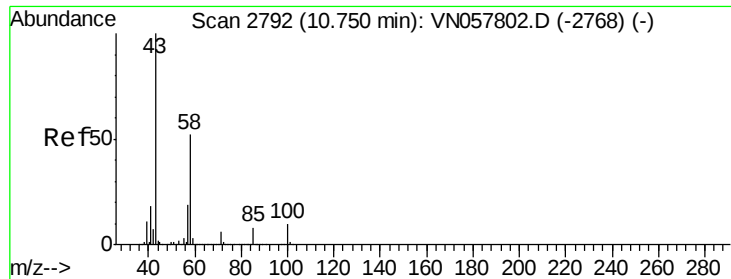
100000

50000

0

Time--> 9.60 9.70 9.80





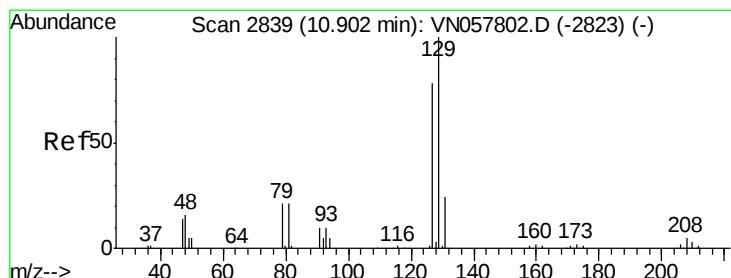
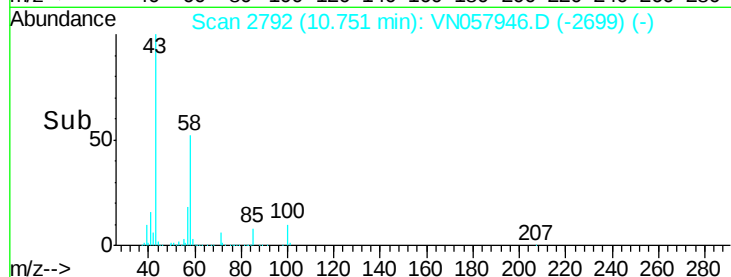
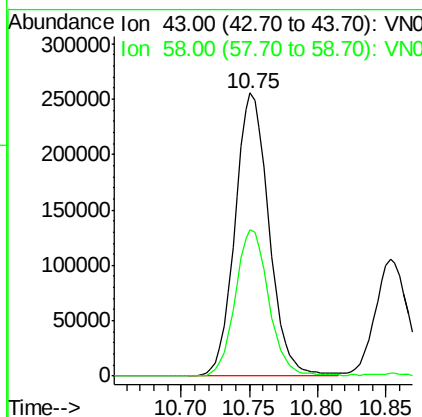
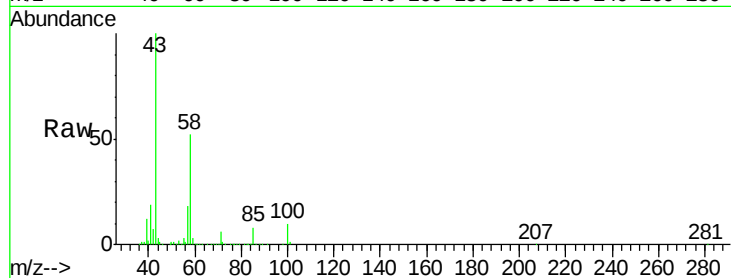
#59
2-Hexanone
Concen: 97.605 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion: 43 Resp: 440869
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.8

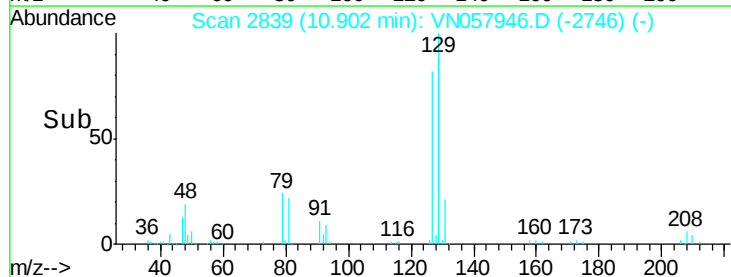
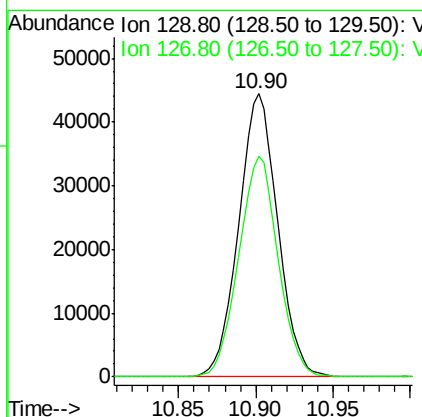
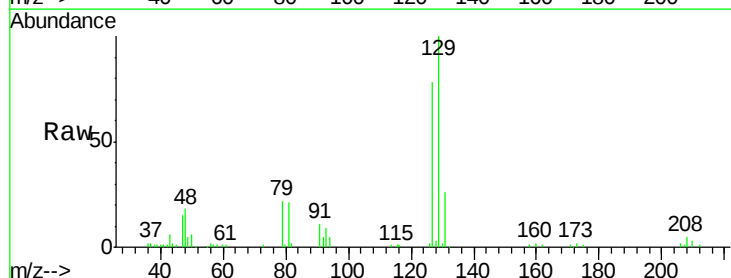
Manual Integrations
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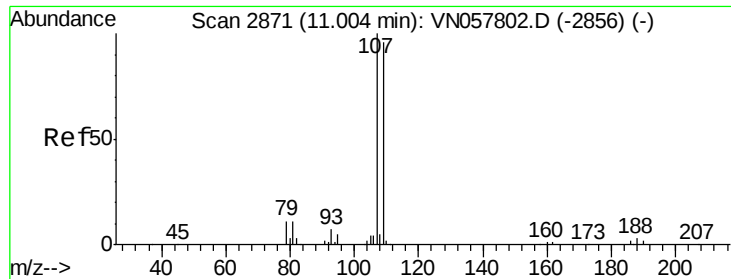
MMDadoda
9/13/2019 11:07:07 AM



#60
Dibromochloromethane
Concen: 17.832 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Tgt Ion: 129 Resp: 77954
Ion Ratio Lower Upper
129 100
127 78.6 38.6 116.0





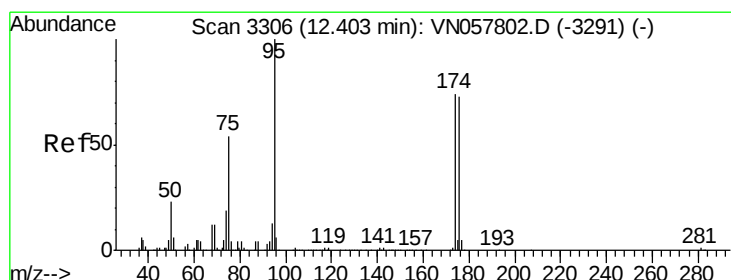
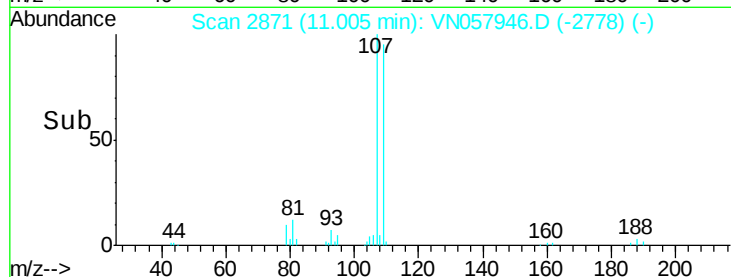
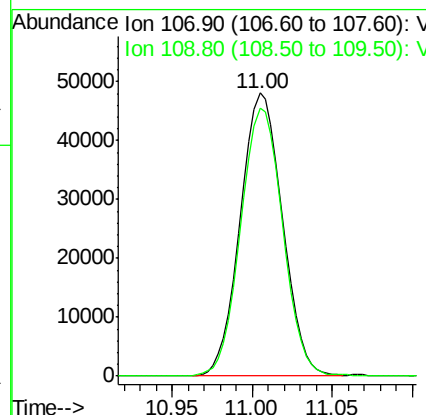
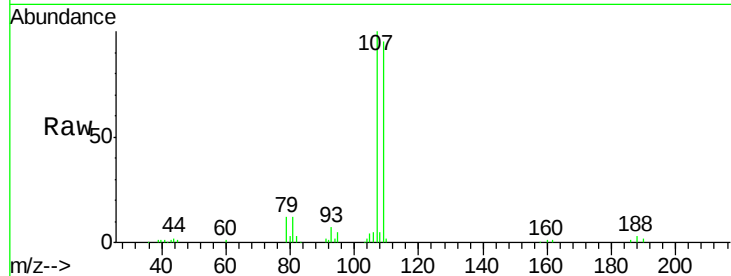
#61
 1,2-Dibromoethane
 Concen: 19.430 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.3	112.9

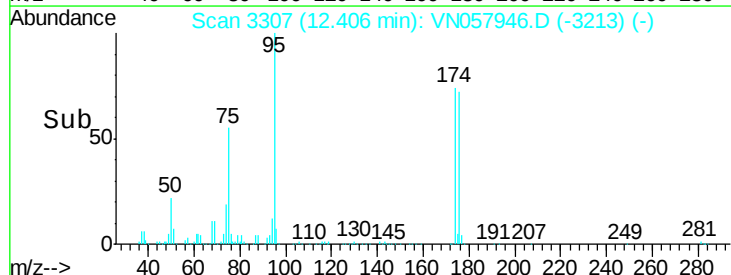
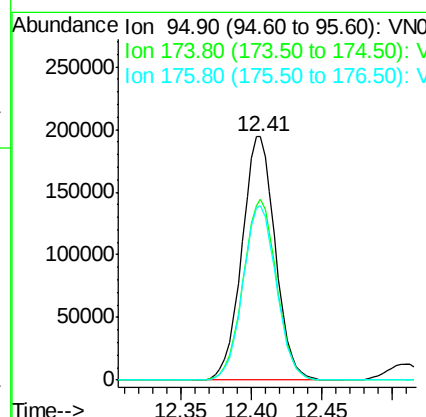
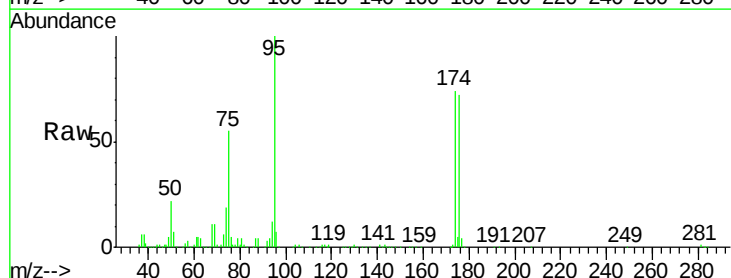
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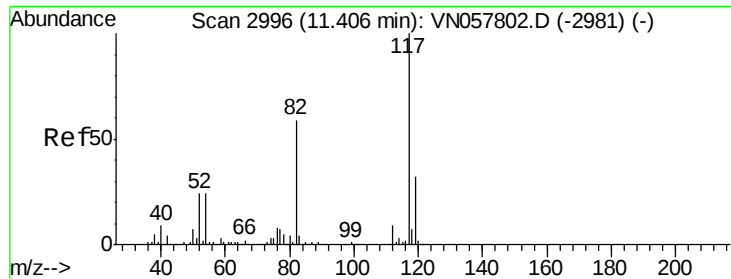
MMDadoda
 9/13/2019 11:07:07 AM



#62
 4-Bromofluorobenzene
 Concen: 46.636 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	150.2
176	72.0	0.0	146.0





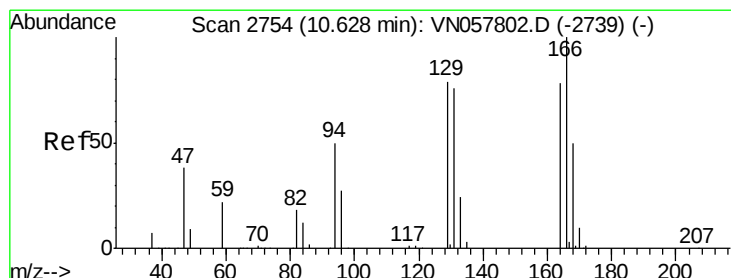
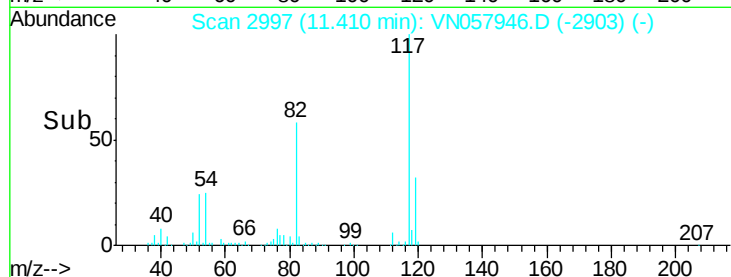
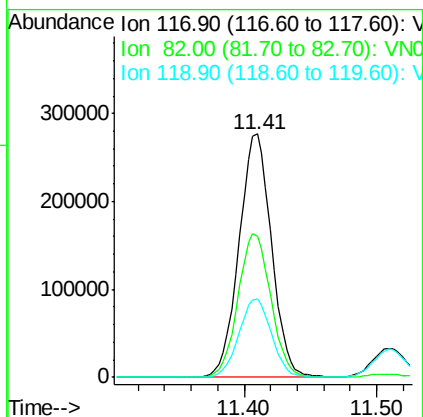
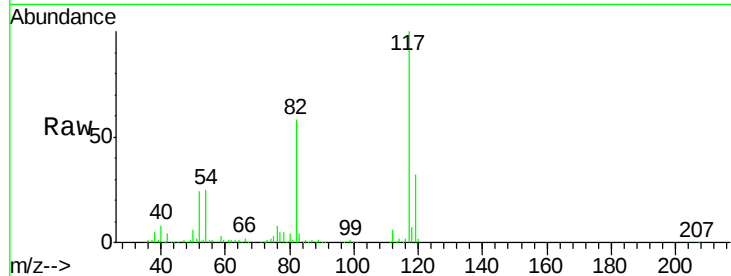
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Instrument :
MSVOA_N
ClientSampled :
VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.2	70.8
119	32.0	25.3	37.9

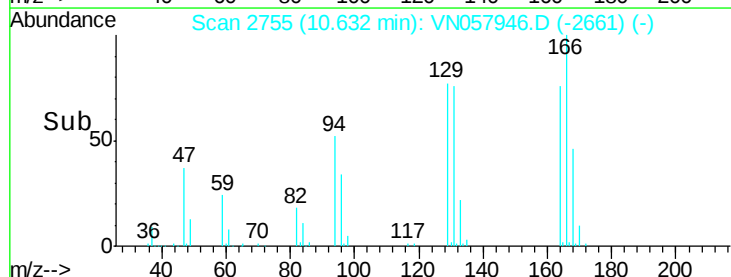
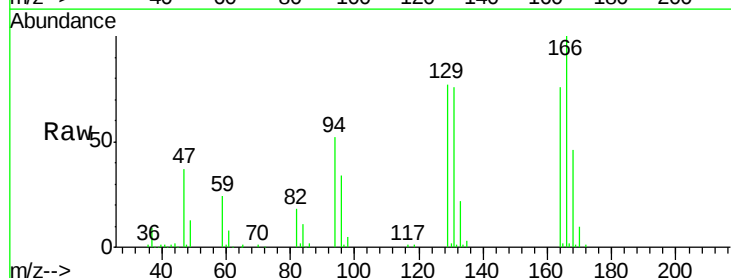
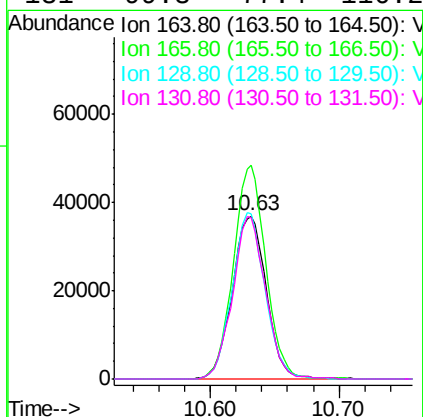
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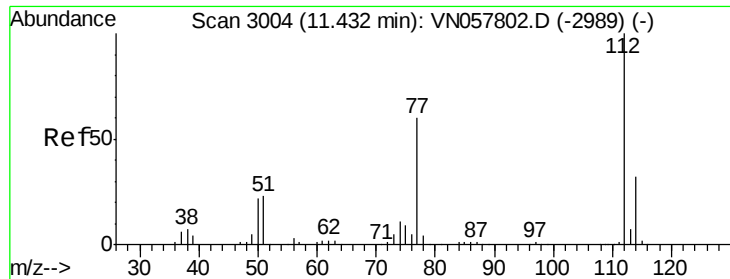
MMDadoda
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#64
Tetrachloroethene
Concen: 19.504 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	102.2	153.2
129	101.6	80.8	121.2
131	99.3	77.4	116.2





#65

Chlorobenzene

Concen: 19.499 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBSD01

Tot Ion:112 Resp: 240401

Ion Ratio Lower Upper

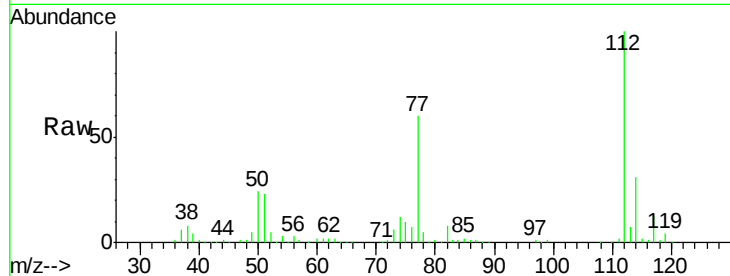
112 100

114 31.0 25.2 37.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

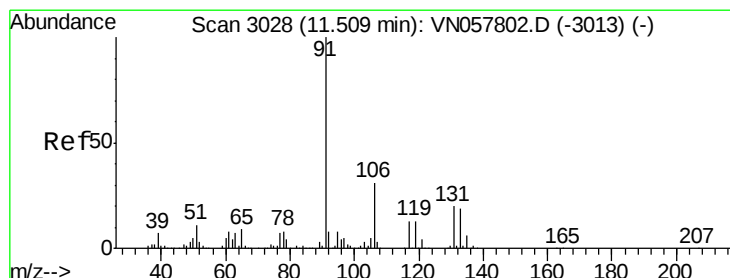
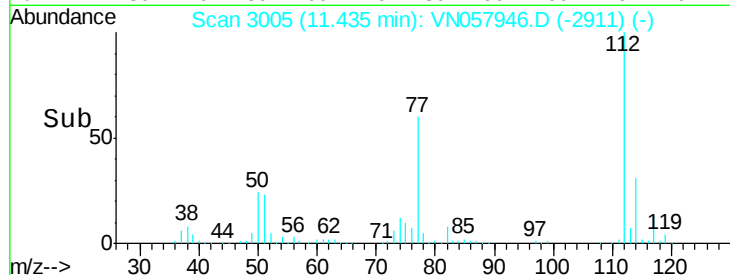
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.564 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

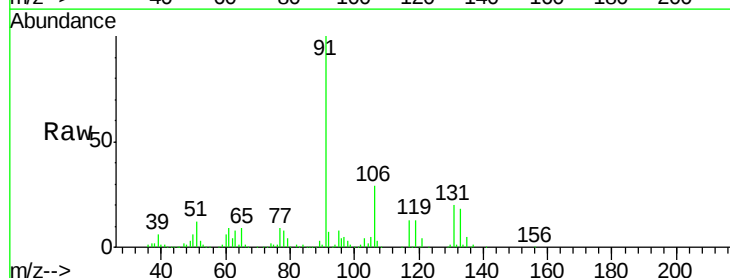
Tgt Ion:131 Resp: 83698

Ion Ratio Lower Upper

131 100

133 93.2 47.1 141.3

119 65.9 33.3 99.8



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

80000

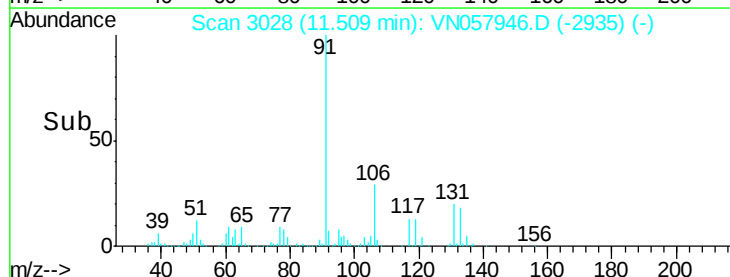
60000

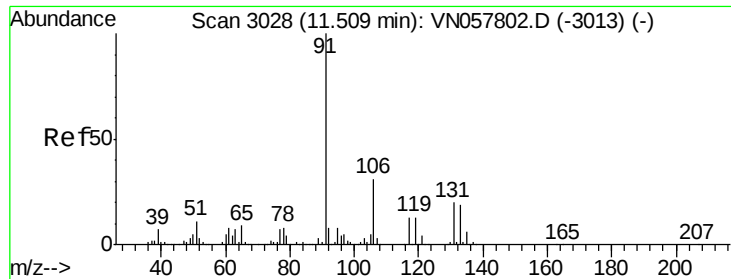
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 19.900 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

ClientSampled :

VN0912WBSD01

Tot Ion: 91 Resp: 429977

Ion Ratio Lower Upper

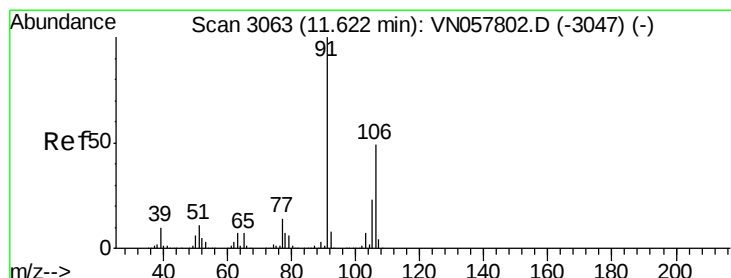
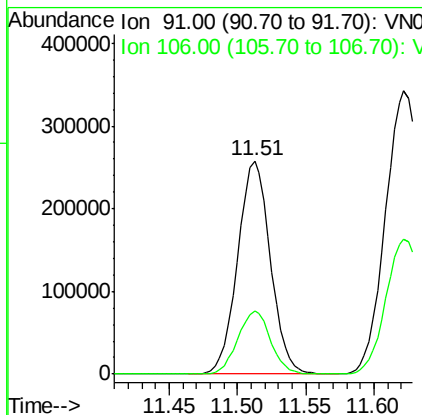
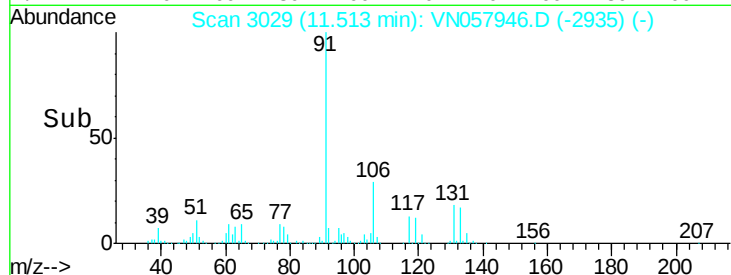
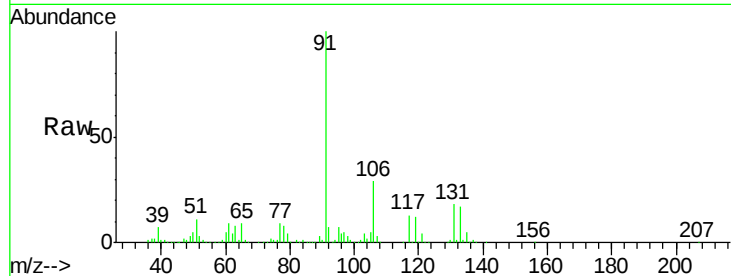
91 100

106 29.4 24.4 36.6

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#68

m/p-Xylenes

Concen: 39.372 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN057946.D

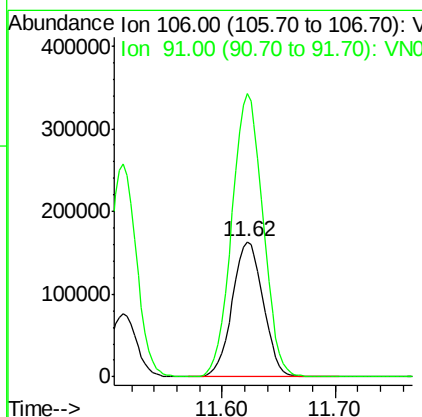
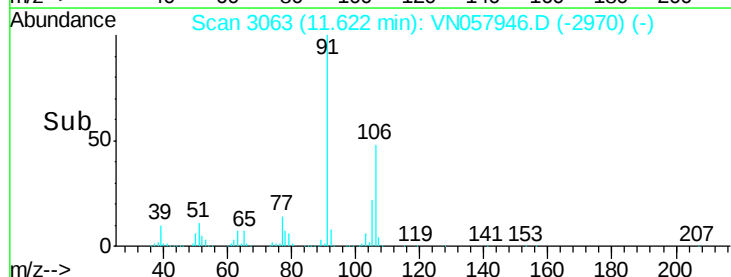
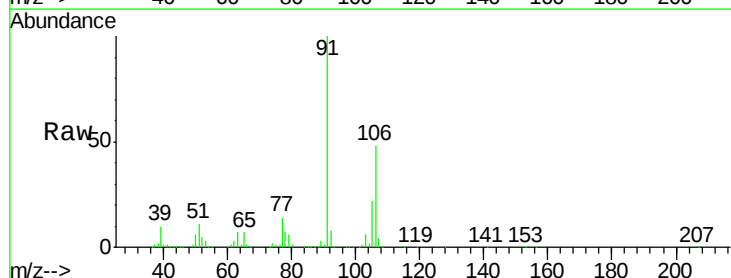
Acq: 11 Sep 2019 23:51

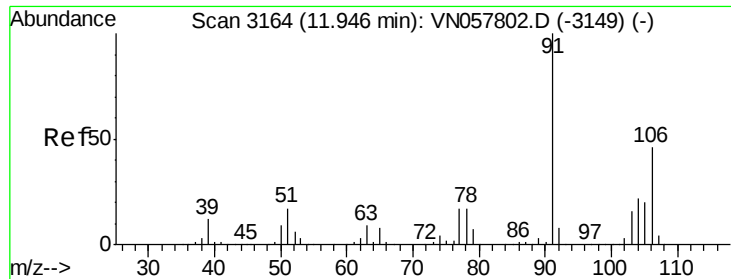
Tgt Ion: 106 Resp: 311615

Ion Ratio Lower Upper

106 100

91 210.7 165.8 248.6





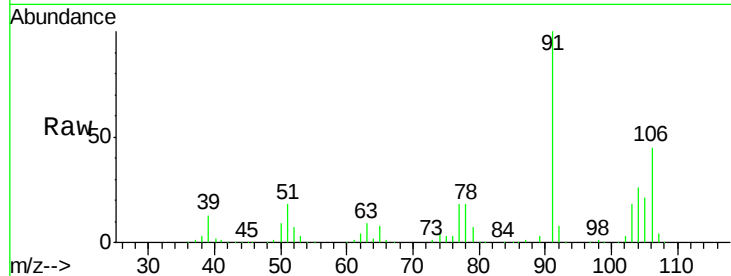
#69
o-Xylene
Concen: 19.470 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

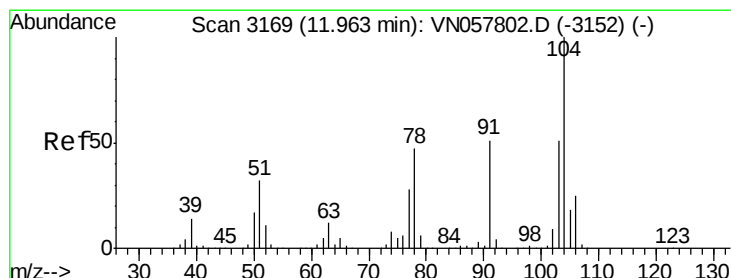
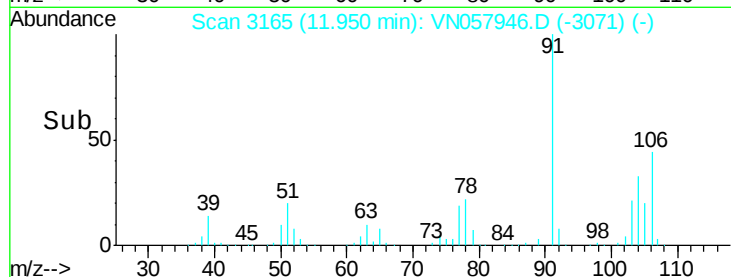
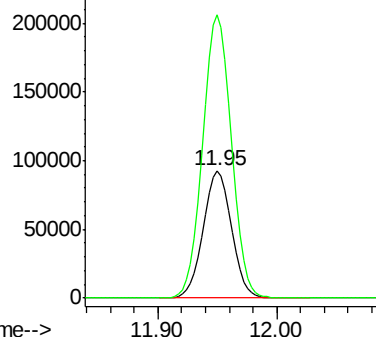
Tot Ion:106 Resp: 153195
Ion Ratio Lower Upper
106 100
91 224.9 108.7 326.1

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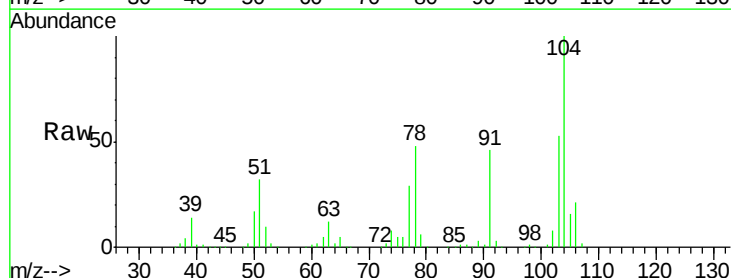


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

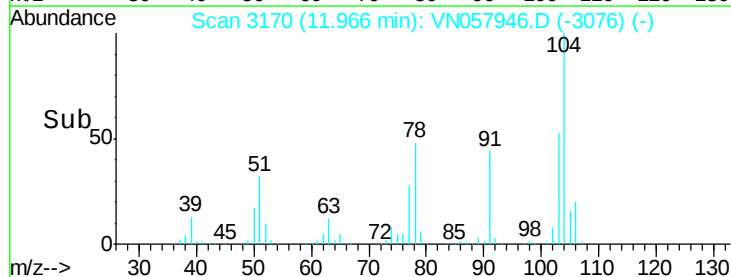
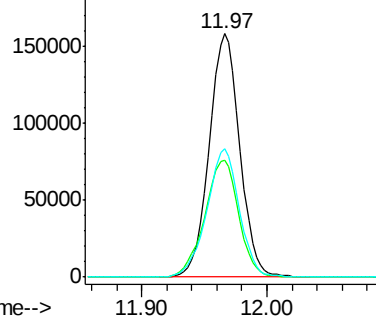


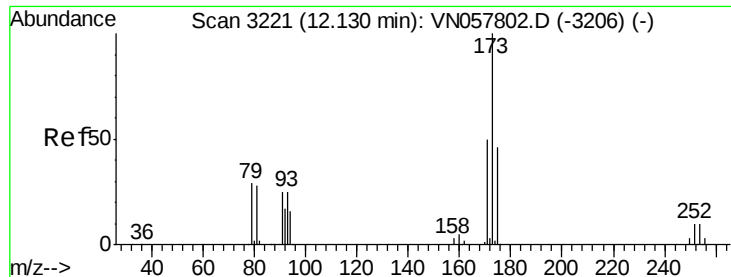
#70
Styrene
Concen: 19.690 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Tgt Ion:104 Resp: 266631
Ion Ratio Lower Upper
104 100
78 53.5 41.3 61.9
103 56.1 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





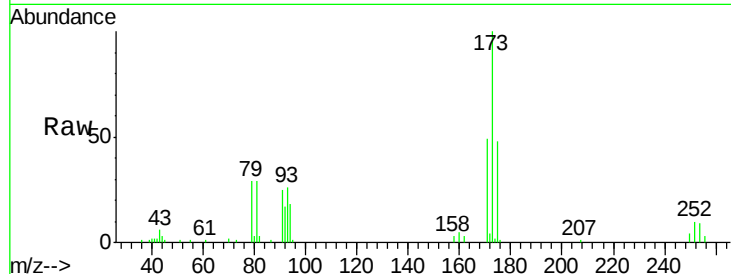
#71
Bromoform
Concen: 17.462 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

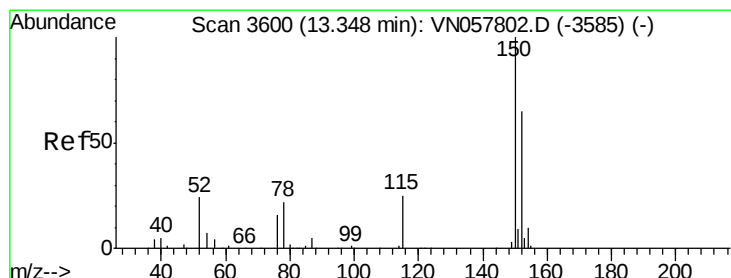
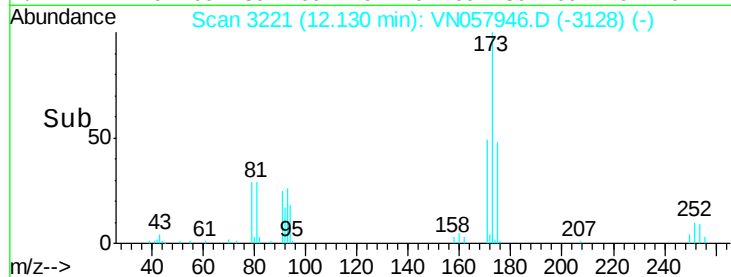
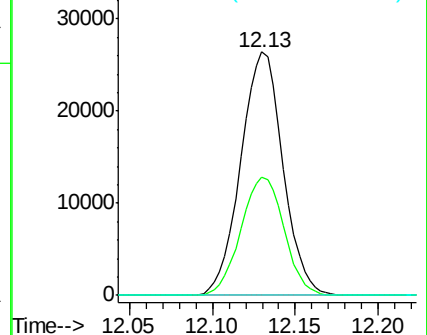
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	23.5	70.6
254	0.0	0.1	0.1#

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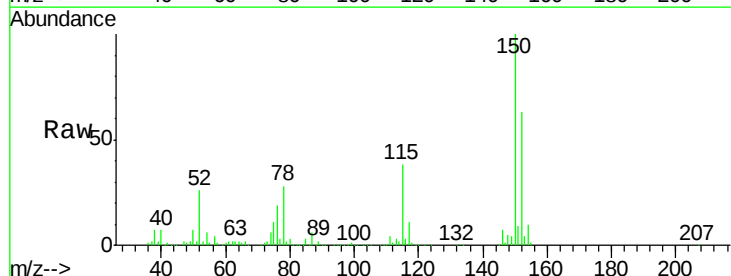


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

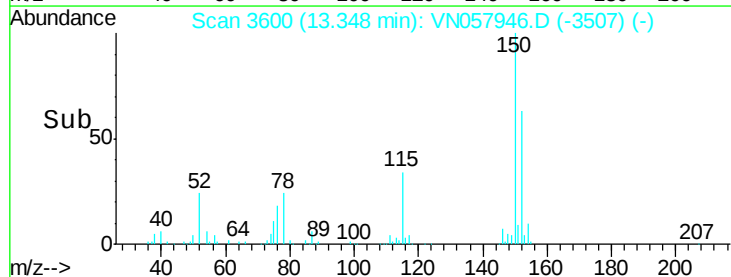
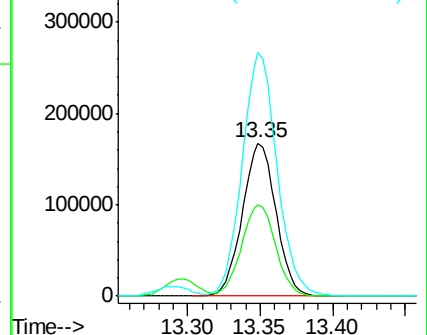


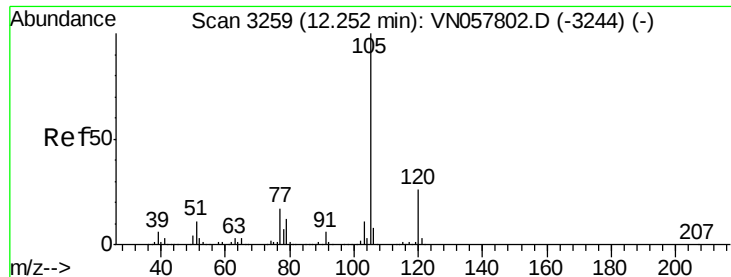
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.3	91.0
150	165.6	0.0	352.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.471 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBSD01

Tot Ion:105 Resp: 426945

Ion Ratio Lower Upper

105 100

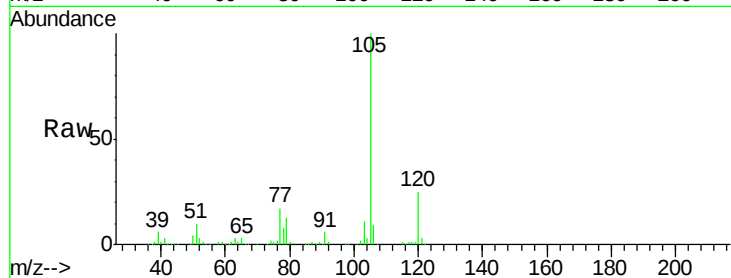
120 25.7 12.8 38.4

Manual Integrations

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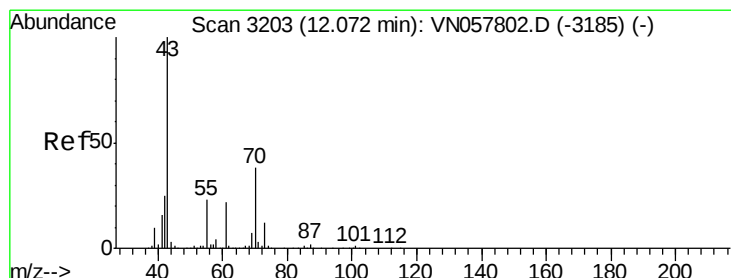
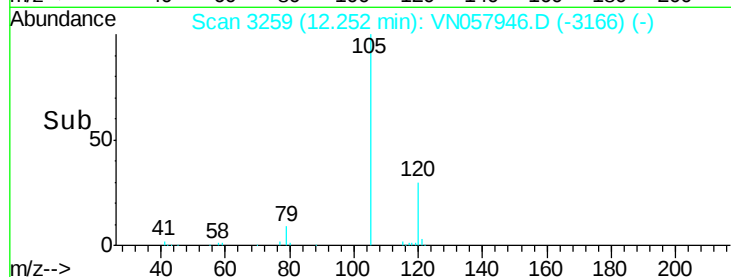
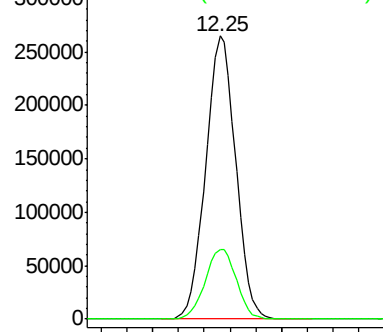
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.399 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Tgt Ion: 43 Resp: 176077

Ion Ratio Lower Upper

43 100

70 39.2 30.6 45.8

55 24.3 18.6 27.8

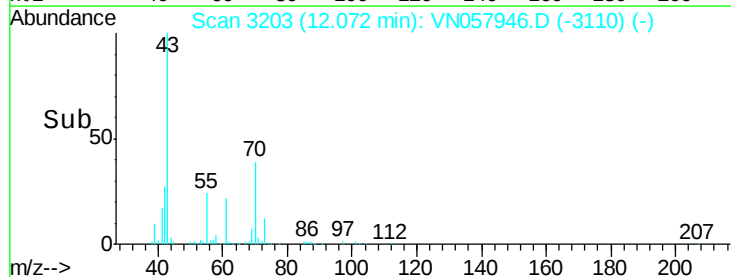
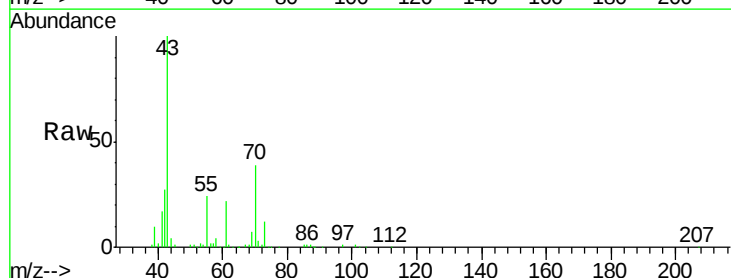
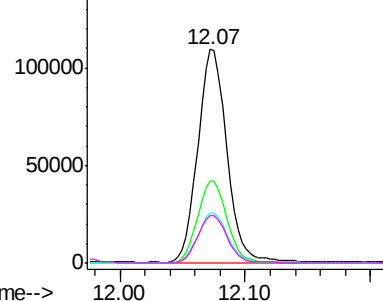
61 22.8 17.4 26.2

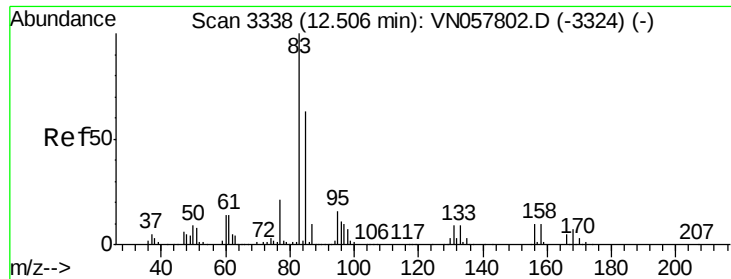
Abundance Ion 43.00 (42.70 to 43.70): V

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: 19.758 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

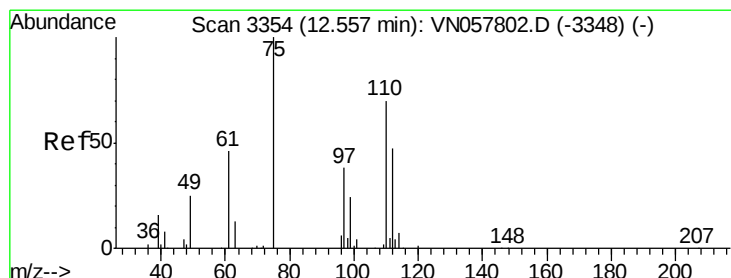
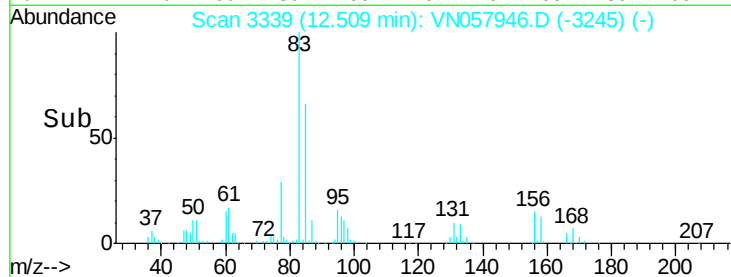
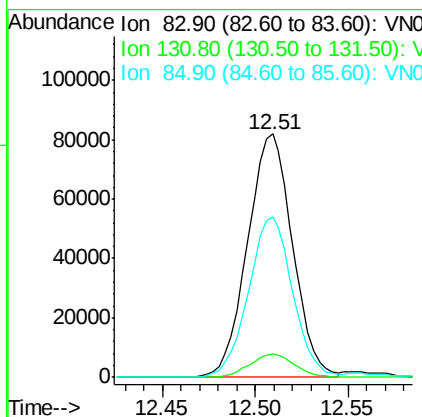
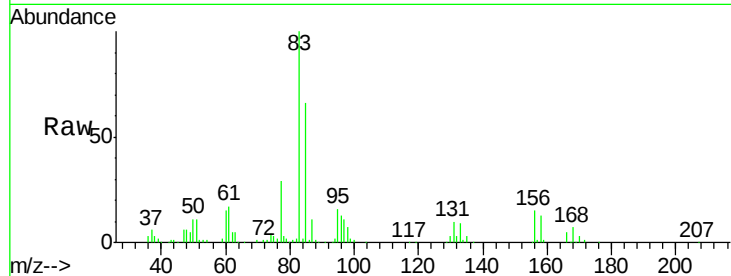
ClientSampleId :

VN0912WBSD01

Tot Ion:	83	Resp:	138748
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.3
85	64.5	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.172 ug/l m

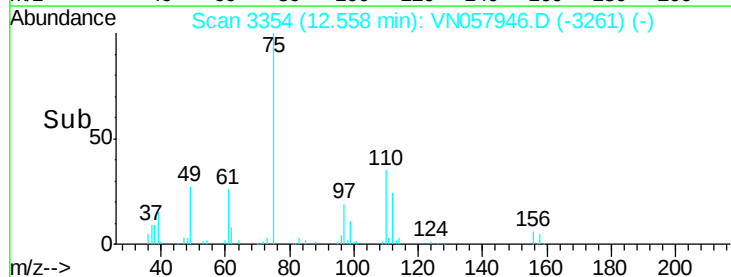
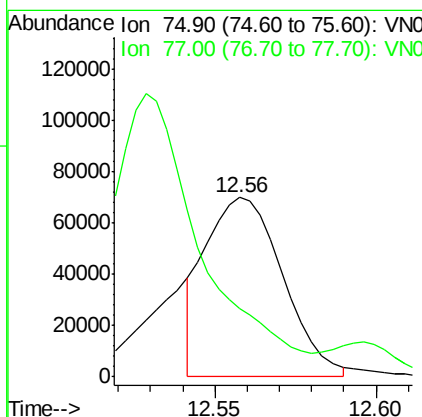
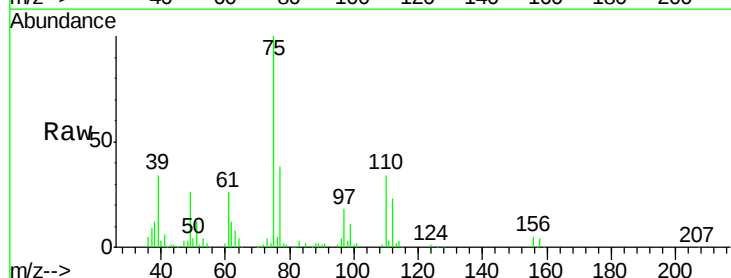
RT: 12.56 min Scan# 3354

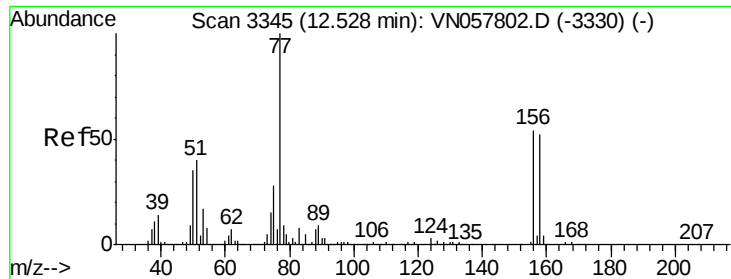
Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Tgt Ion:	75	Resp:	116570
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.924 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

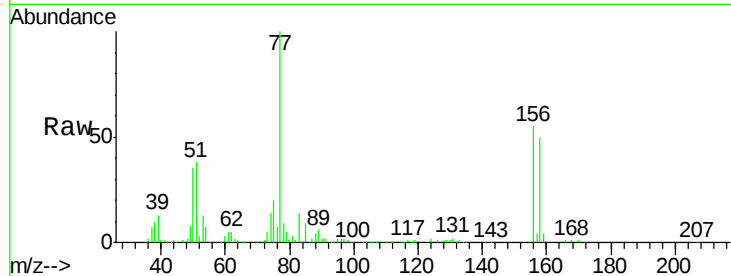
ClientSampleId :

VN0912WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	215.2		113.7	341.1	
158	91.9		48.5	145.6	

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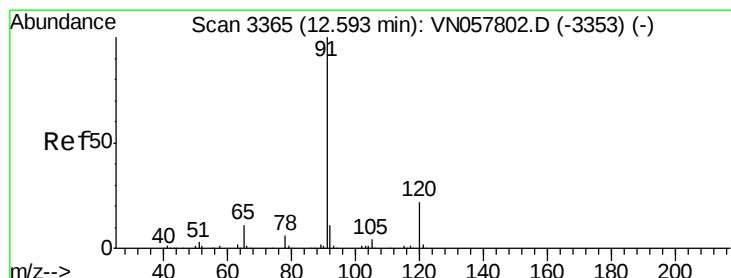
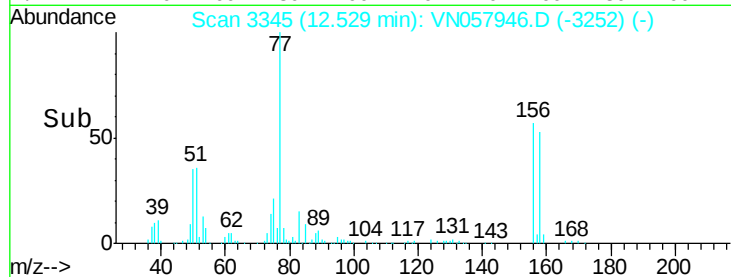
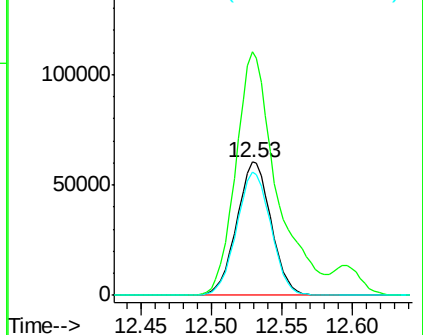
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.951 ug/l

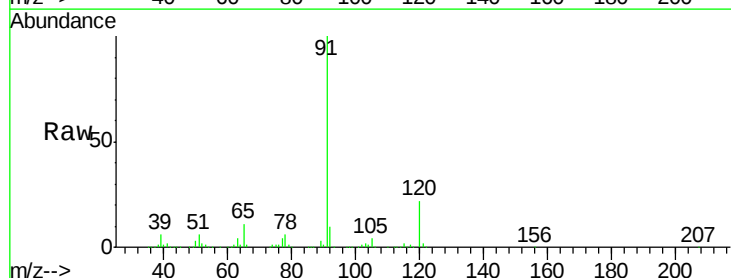
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057946.D

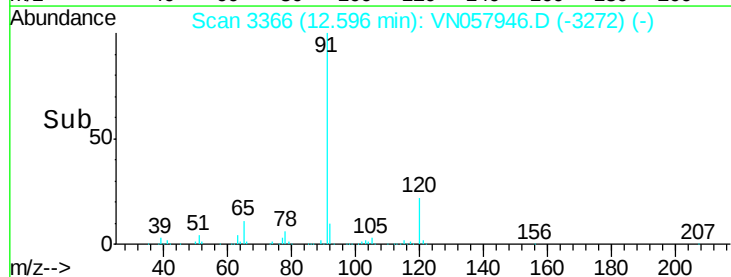
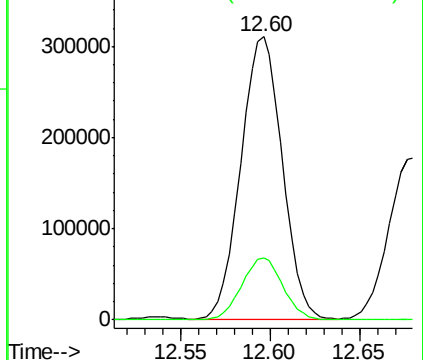
Acq: 11 Sep 2019 23:51

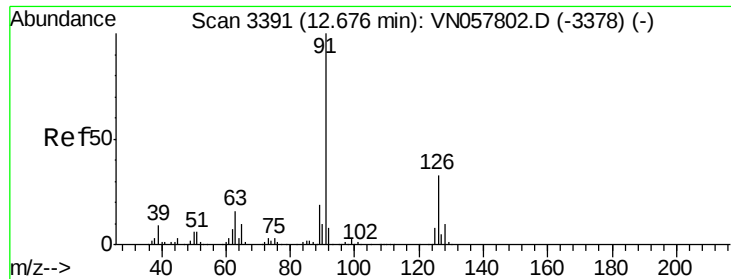
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.0		11.1	33.1	



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.864 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBSD01

Tot Ion: 91 Resp: 300672

Ion Ratio Lower Upper

91 100

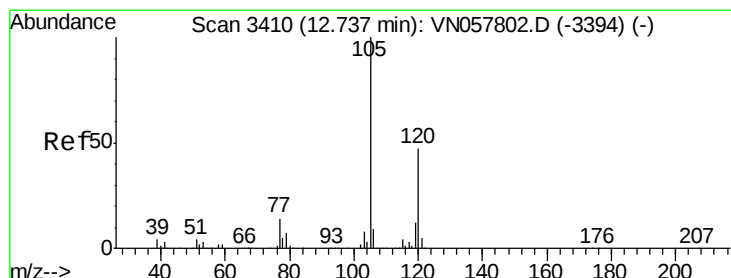
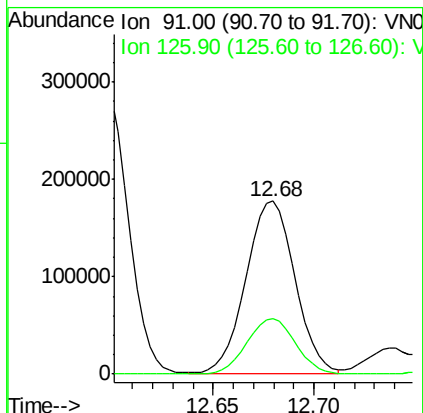
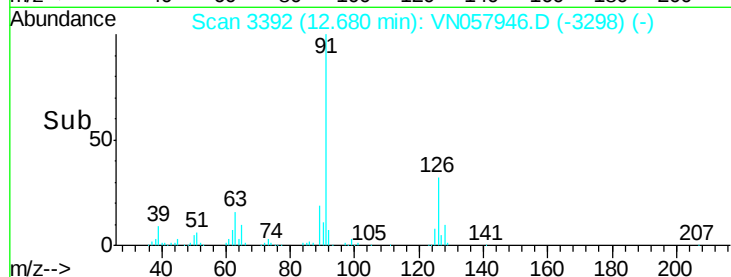
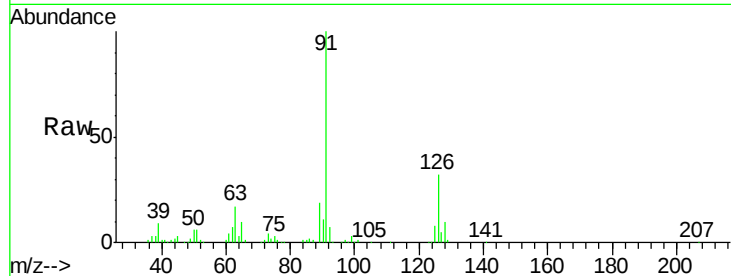
126 32.1 16.4 49.2

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#80

1,3,5-Trimethylbenzene

Concen: 20.592 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057946.D

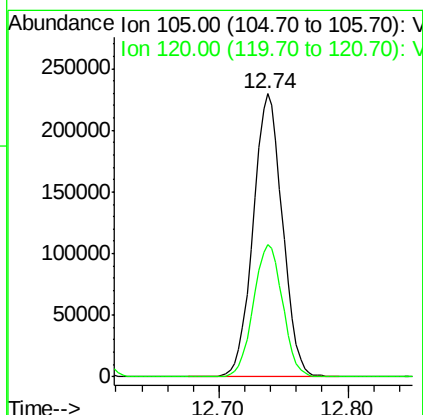
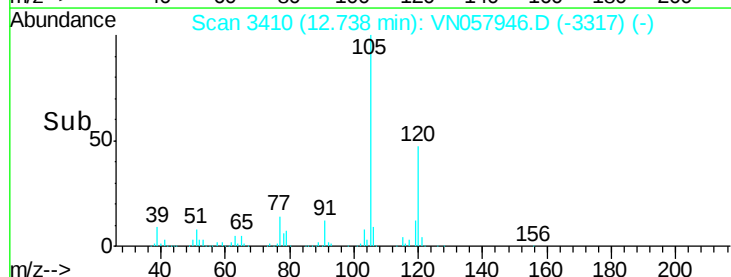
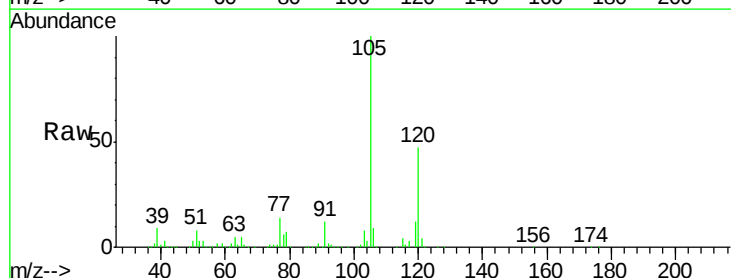
Acq: 11 Sep 2019 23:51

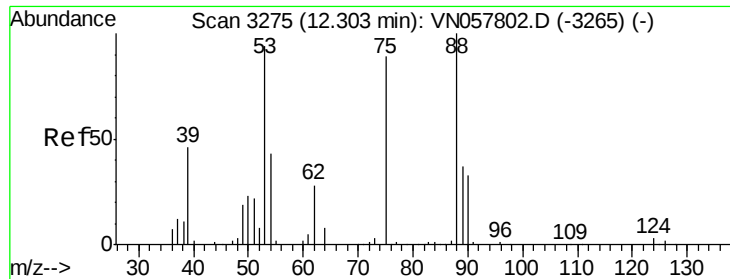
Tgt Ion: 105 Resp: 362877

Ion Ratio Lower Upper

105 100

120 46.8 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 15.196 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

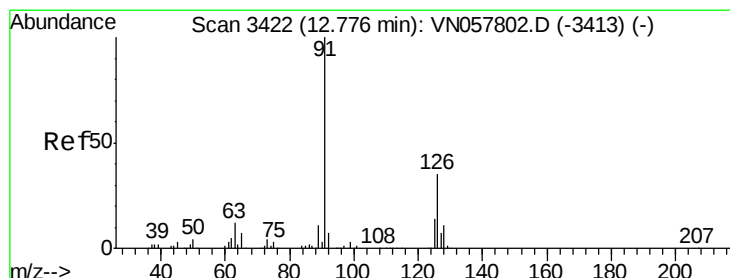
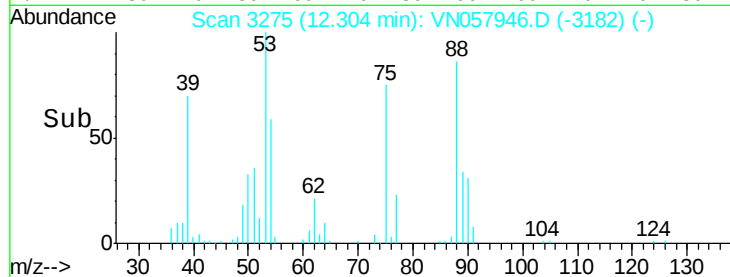
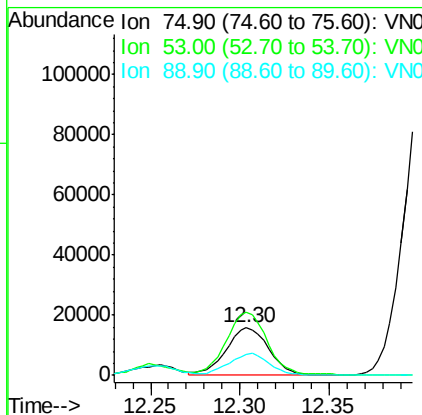
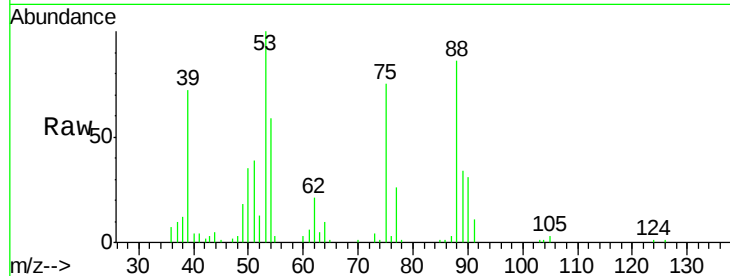
ClientSampleId :

VN0912WBSD01

Tot Ion:	75	Resp:	26256
Ion Ratio	Lower	Upper	
75	100		
53	129.1	88.4	132.6
89	43.7	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.015 ug/l

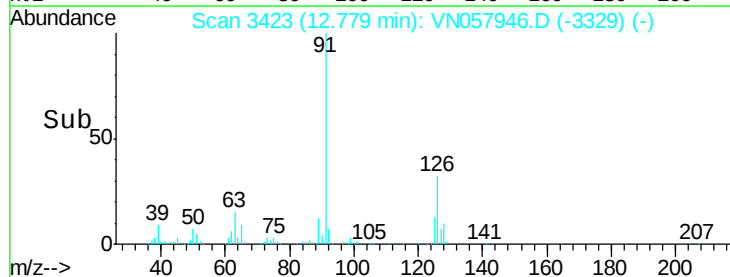
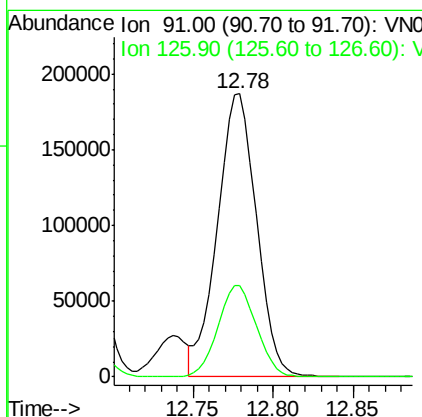
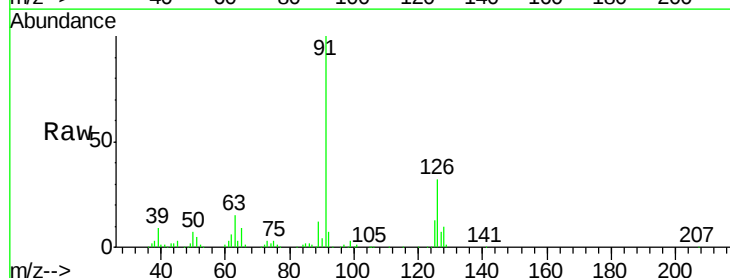
RT: 12.78 min Scan# 3423

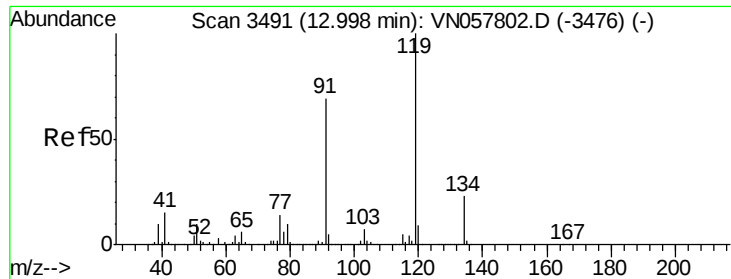
Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Tgt Ion:	91	Resp:	311120
Ion Ratio	Lower	Upper	
91	100		
126	32.3	16.0	48.0





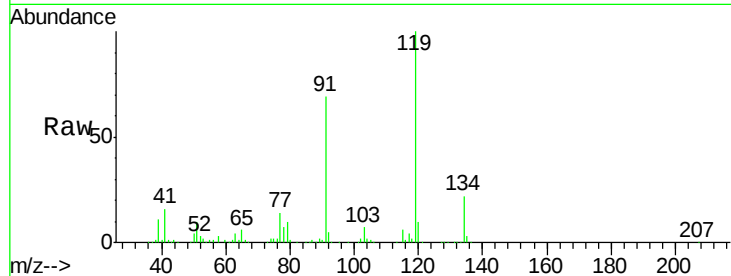
#83
tert-Butylbenzene
Concen: 20.054 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

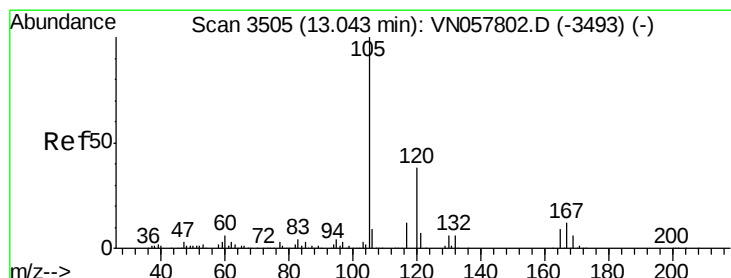
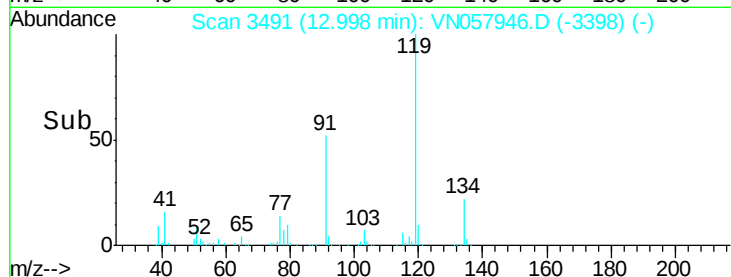
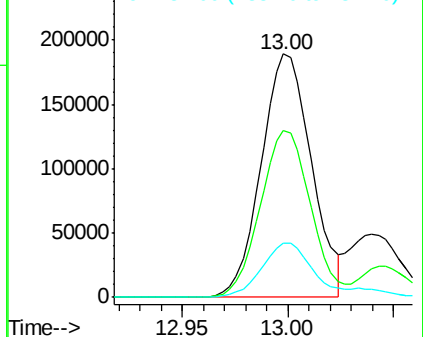
Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	33.6	100.8
134	25.3	11.7	35.0

Manual Integrations
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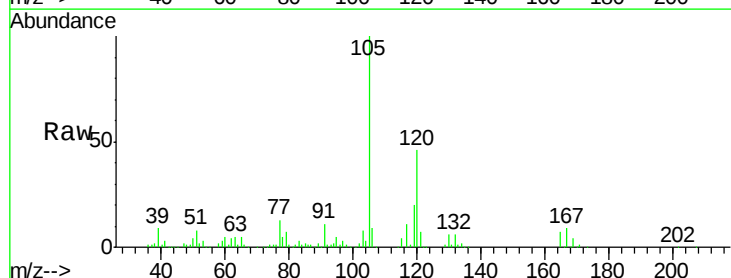


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

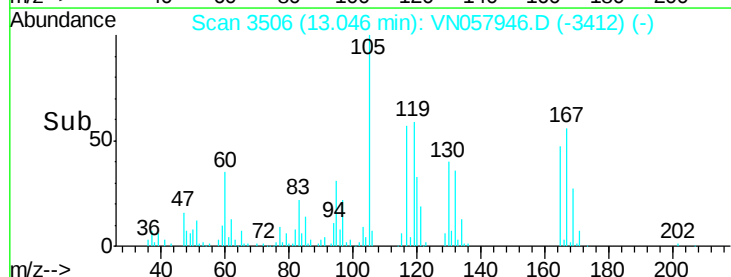
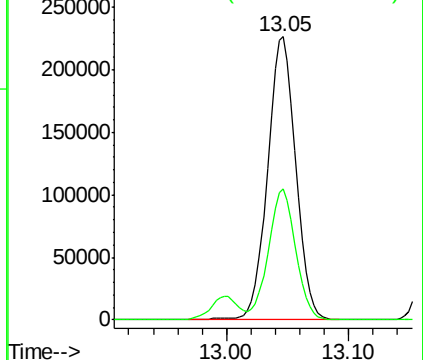


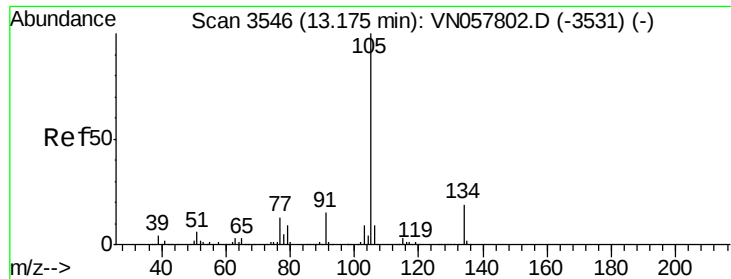
#84
1,2,4-Trimethylbenzene
Concen: 20.381 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.4	67.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





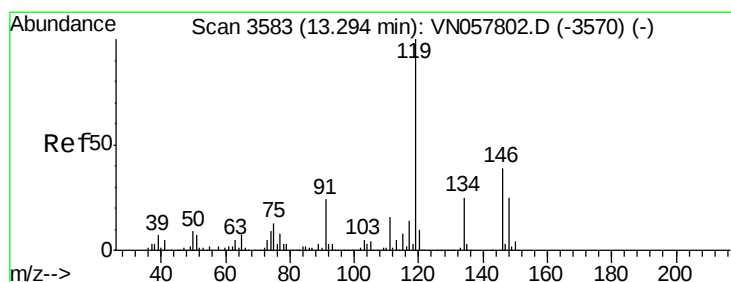
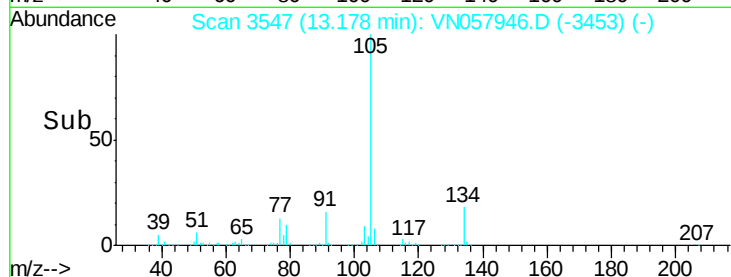
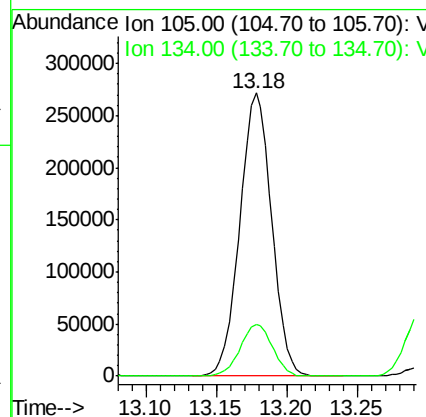
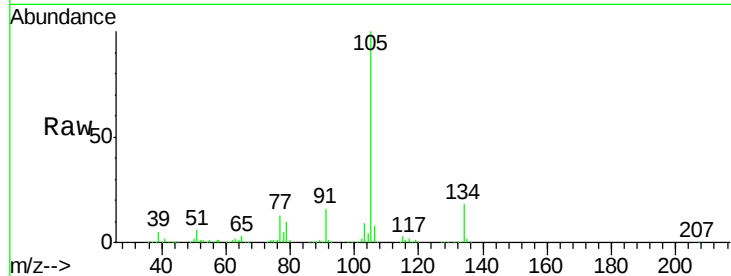
#85
 sec-Butylbenzene
 Concen: 20.613 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.6	28.6

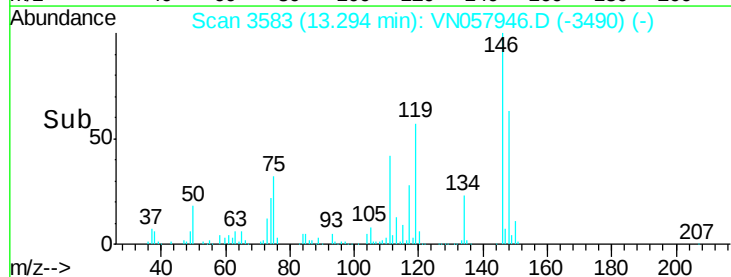
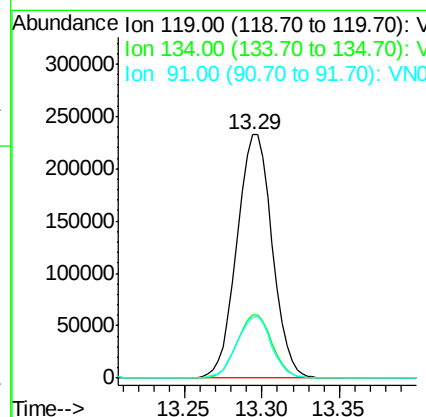
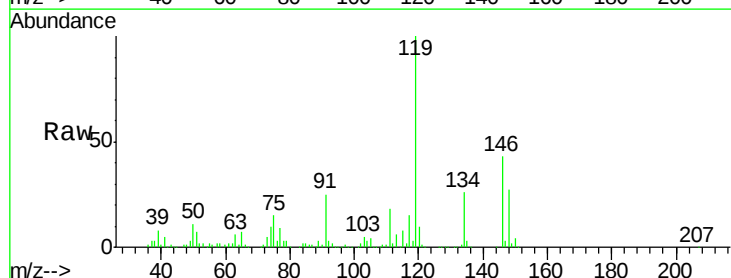
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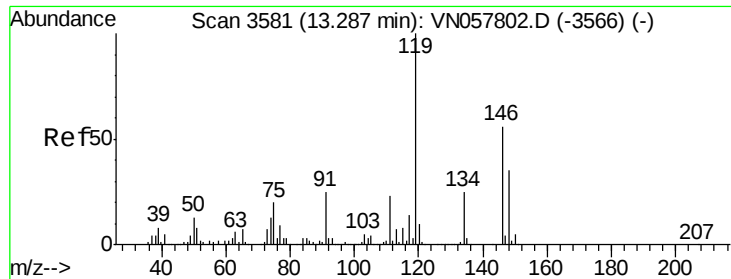
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#86
 p-Isopropyltoluene
 Concen: 20.068 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.5	37.5
91	25.2	12.3	36.8





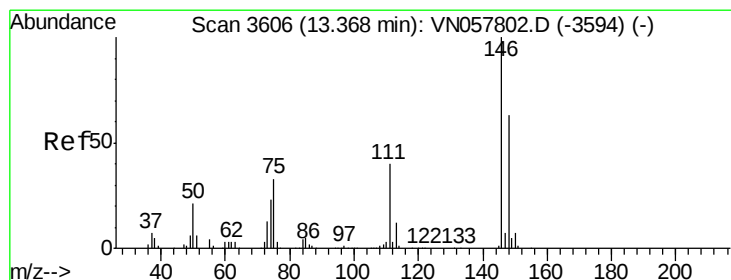
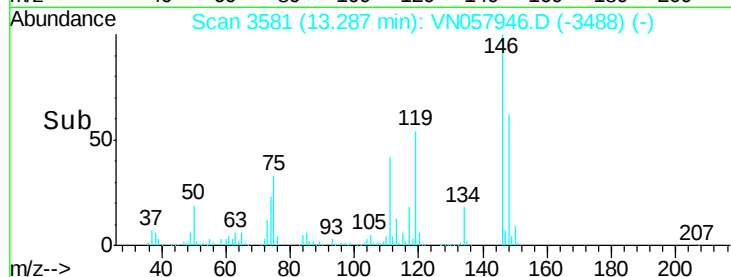
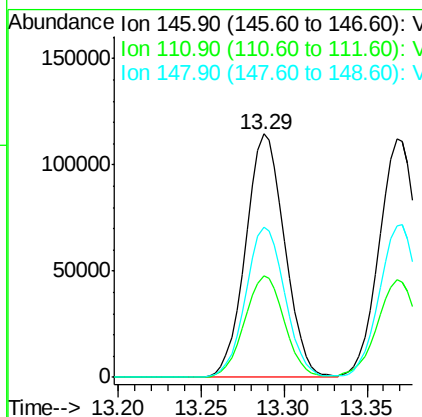
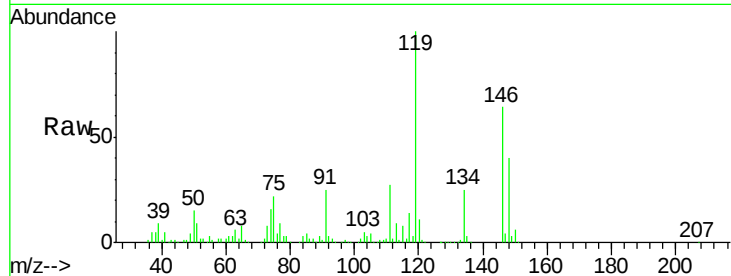
#87
 1,3-Dichlorobenzene
 Concen: 19.674 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0912WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	187775		
111	42.4	20.5	61.6	
148	62.0	31.5	94.5	

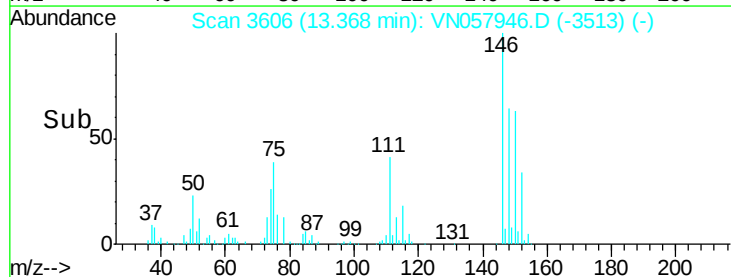
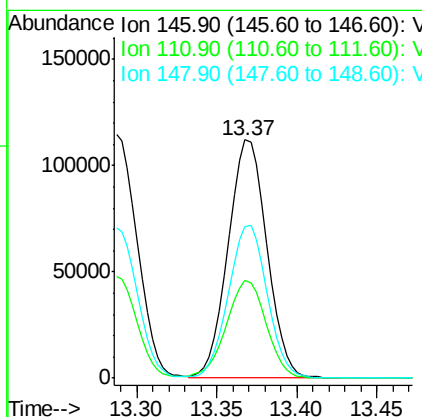
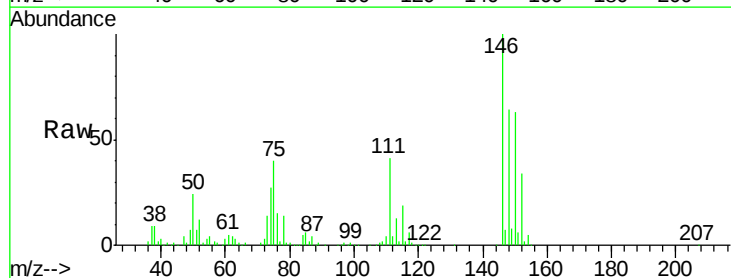
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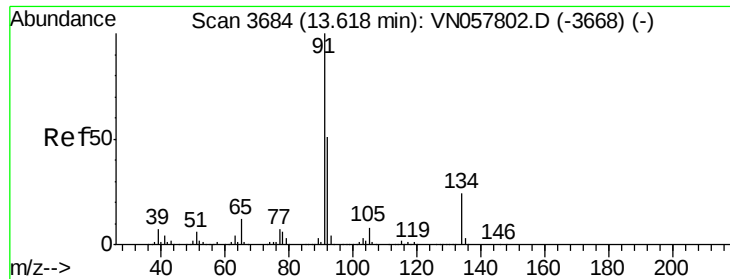
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#88
 1,4-Dichlorobenzene
 Concen: 19.063 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	184680		
111	41.9	20.4	61.2	
148	64.2	31.8	95.4	





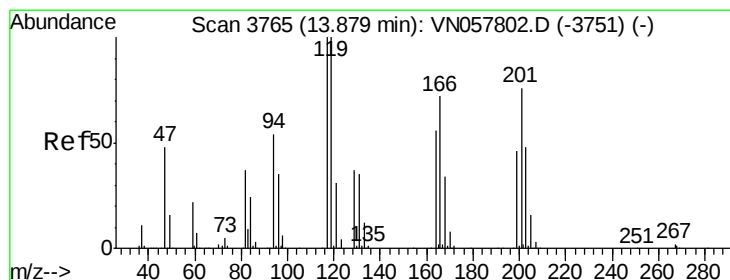
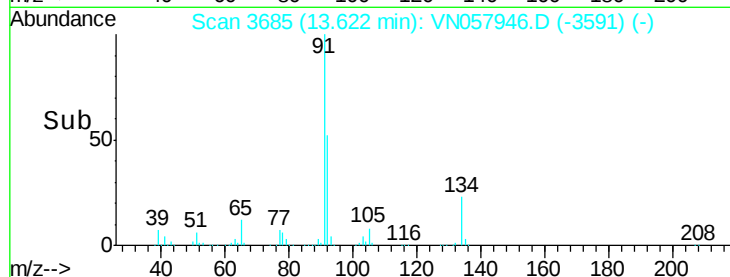
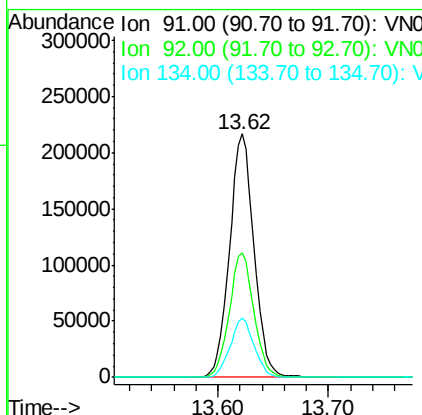
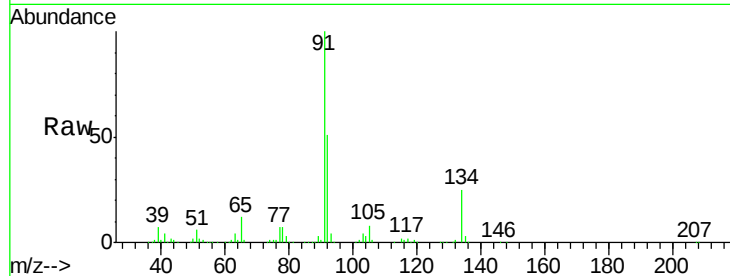
#89
n-Butylbenzene
Concen: 19.290 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.7	77.0
134	23.9	11.9	35.7

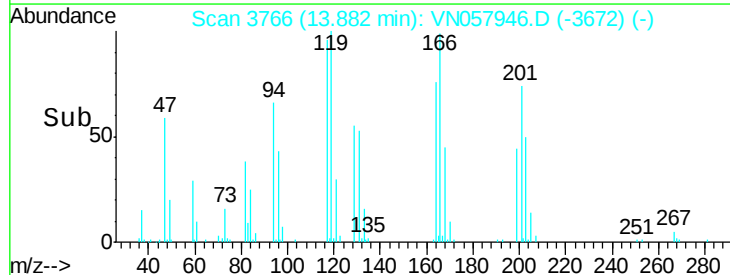
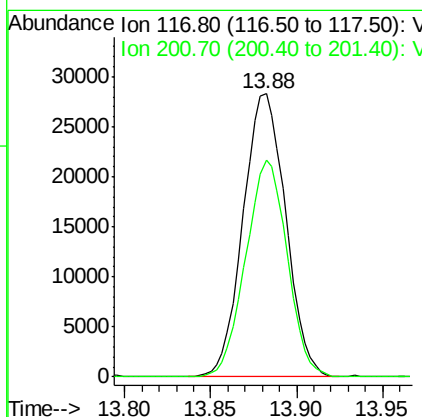
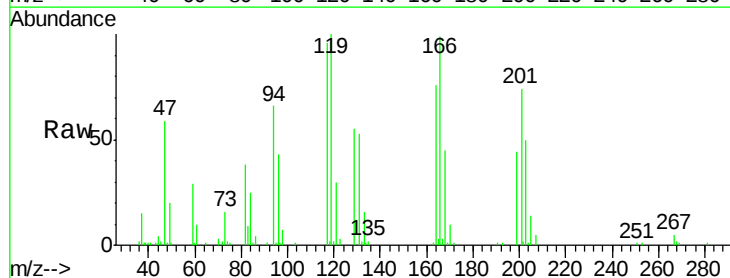
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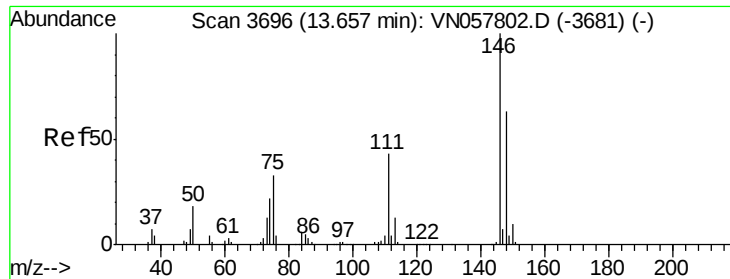
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#90
Hexachloroethane
Concen: 17.892 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN057946.D
Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.4	37.5	112.7





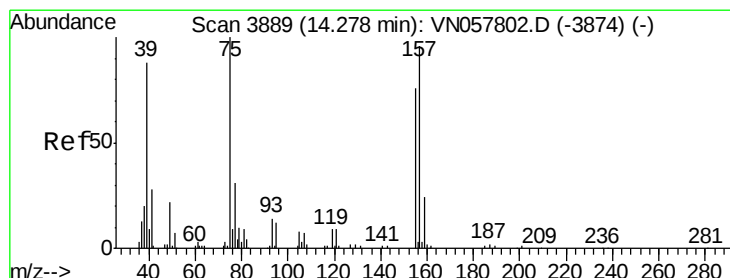
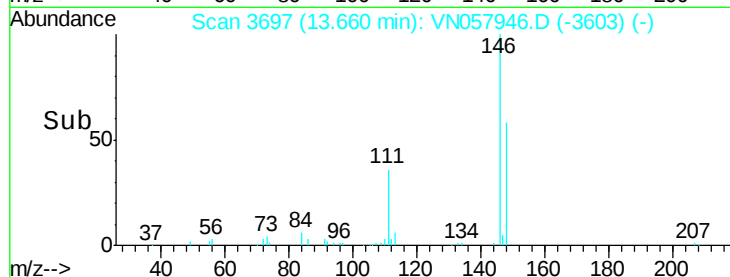
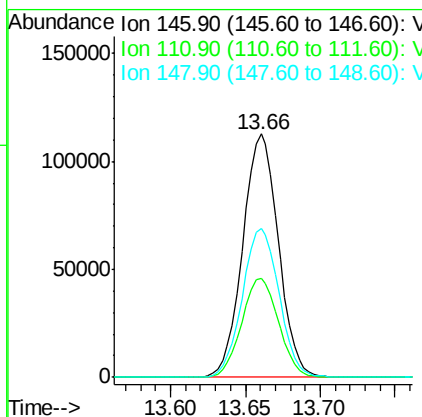
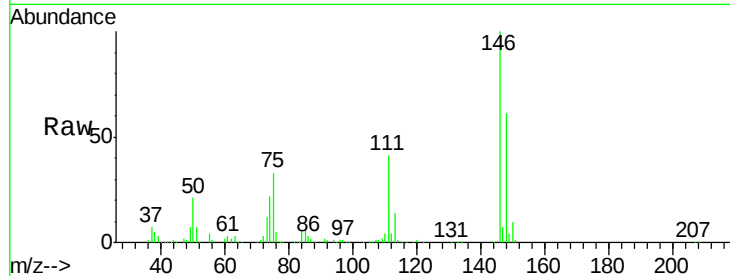
#91
 1,2-Dichlorobenzene
 Concen: 19.645 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	63.9
148	63.1	31.4	94.3

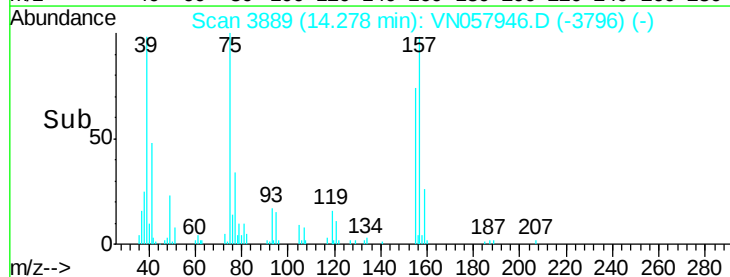
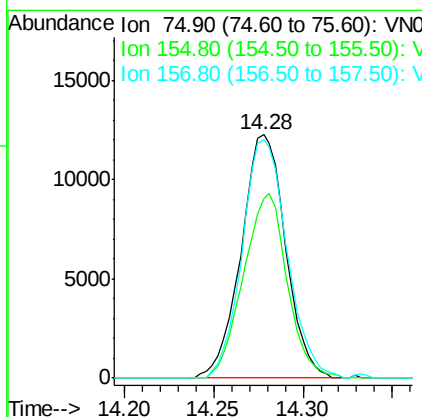
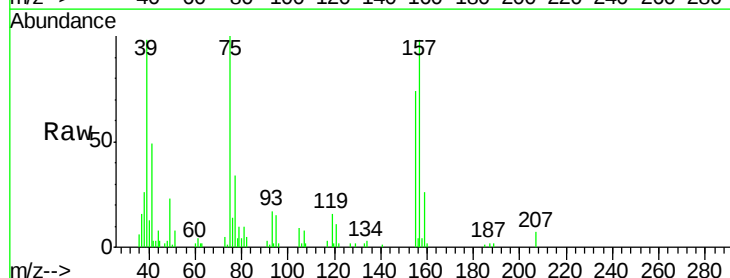
Manual Integrations
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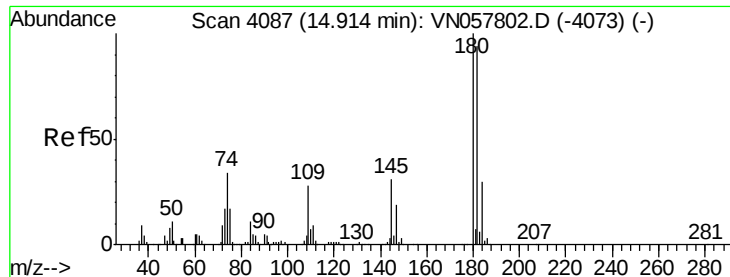
MMDadoda
 9/13/2019 11:07:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.394 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.7	37.3	111.8
157	99.0	47.9	143.8





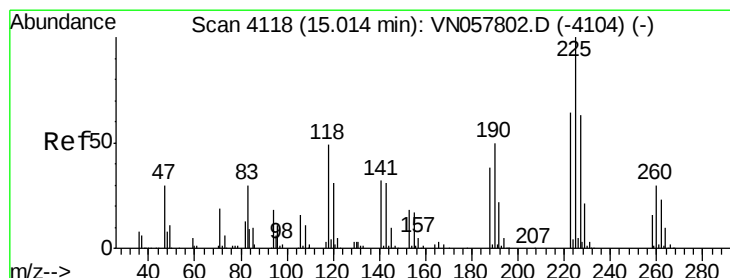
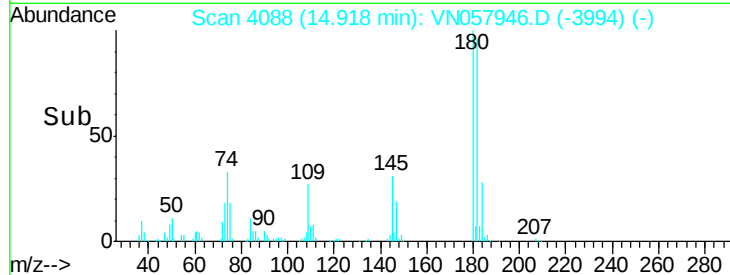
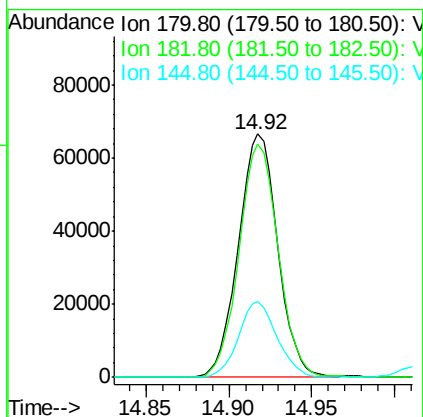
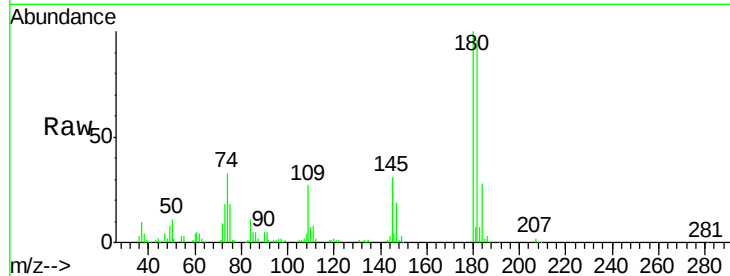
#93
 1,2,4-Trichlorobenzene
 Concen: 17.609 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.9	140.8
145	30.6	14.9	44.7

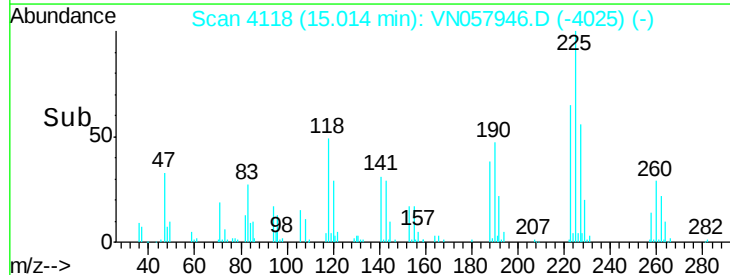
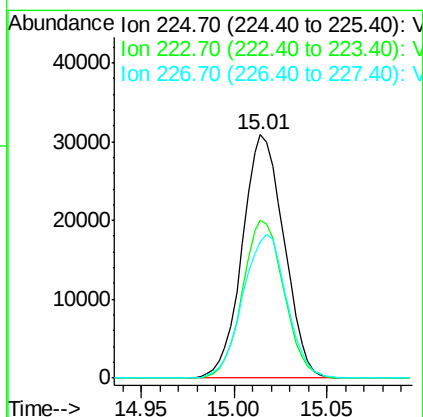
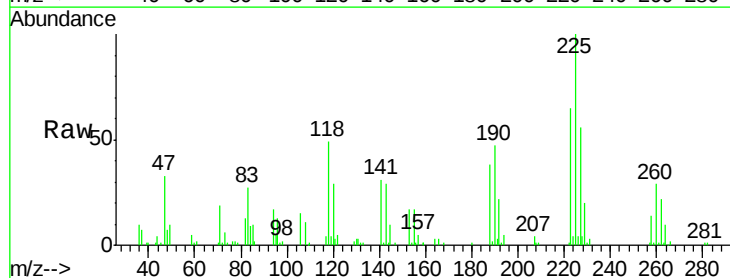
Manual Integrations
 APPROVED

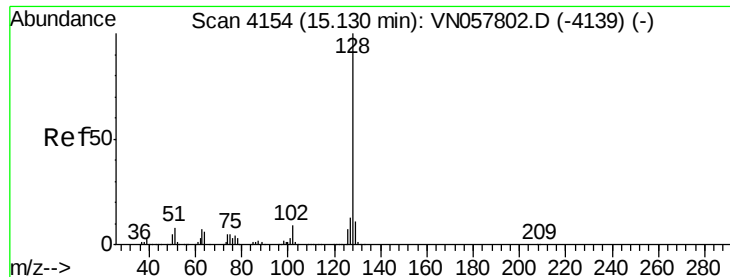
MMDadoda
 9/13/2019 11:07:07 AM



#94
 Hexachlorobutadiene
 Concen: 18.263 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057946.D
 Acq: 11 Sep 2019 23:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	32.4	97.2
227	61.7	31.8	95.4





#95

Naphthalene

Concen: 19.057 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Instrument :

MSVOA_N

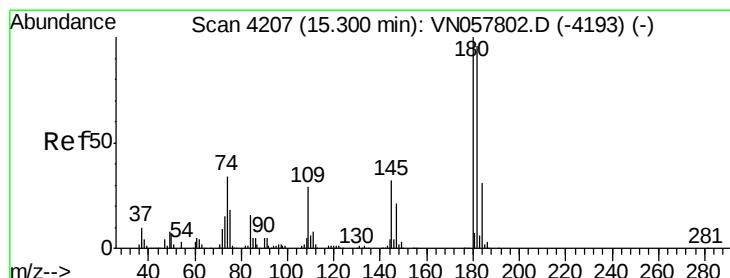
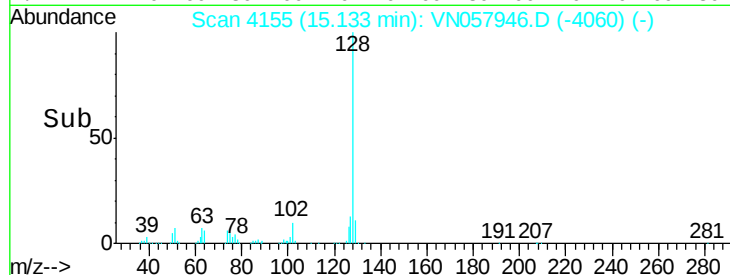
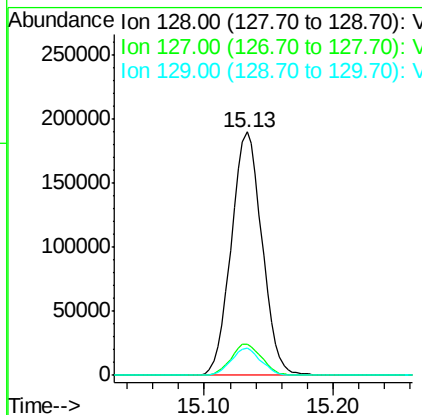
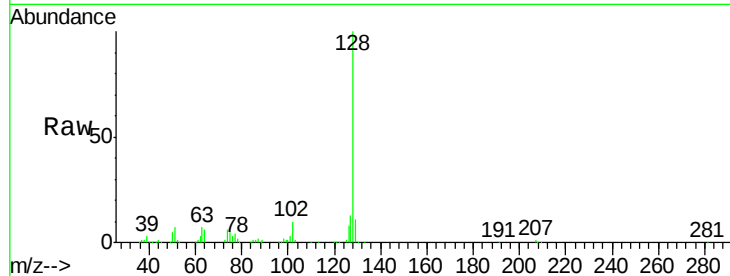
ClientSampleId :

VN0912WBSD01

Tot Ion:	128	Resp:	315143
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.8	8.6	12.8

Manual Integrations
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9/13/2019 11:07:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.054 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057946.D

Acq: 11 Sep 2019 23:51

Tgt Ion:	180	Resp:	105792
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.3	144.8
145	31.8	16.3	48.8

