

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
 Data File : VN055571.D
 Acq On : 13 May 2019 11:38
 Operator : JC/SP
 Sample : VN0513MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 9:42:32 AM

Quant Time: May 14 02:11:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	682131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1163363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	997166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	386795	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	494403	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
35) Dibromofluoromethane	7.59	113	385841	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	10.09	98	1473146	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.40	95	480327	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	123992	17.854	ug/l	99
3) Chloromethane	2.06	50	194625	17.250	ug/l	99
4) Vinyl Chloride	2.19	62	195347	18.342	ug/l	99
5) Bromomethane	2.57	94	121351	20.796	ug/l	98
6) Chloroethane	2.71	64	119374	19.242	ug/l	98
7) Trichlorofluoromethane	3.02	101	234813	20.097	ug/l	100
8) Diethyl Ether	3.41	74	103851	19.791	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	146911	19.763	ug/l	99
10) Methyl Iodide	3.95	142	169767	16.897	ug/l	100
11) Tert butyl alcohol	4.80	59	106109	69.971	ug/l	99
12) 1,1-Dichloroethene	3.73	96	147080	19.728	ug/l	95
13) Acrolein	3.61	56	87155	86.235	ug/l	98
14) Allyl chloride	4.32	41	276849	18.128	ug/l	98
15) Acrylonitrile	4.99	53	411335	87.598	ug/l	98
16) Acetone	3.82	43	403539	84.855	ug/l	96
17) Carbon Disulfide	4.05	76	373044	18.333	ug/l	99
18) Methyl Acetate	4.33	43	178233	17.133	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	471994	19.053	ug/l	96
20) Methylene Chloride	4.55	84	176689	18.170	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	155791	19.274	ug/l	96
22) Diisopropyl ether	5.96	45	589876	19.007	ug/l	96
23) Vinyl Acetate	5.90	43	2161861	90.075	ug/l	99
24) 1,1-Dichloroethane	5.85	63	318596	19.017	ug/l	98
25) 2-Butanone	6.84	43	553966	84.327	ug/l	98
26) 2,2-Dichloropropane	6.82	77	211920	20.292	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	182700	19.558	ug/l	99
28) Bromochloromethane	7.20	49	170053	19.546	ug/l	95
29) Tetrahydrofuran	7.22	42	356314	82.046	ug/l	98
30) Chloroform	7.37	83	306472	19.789	ug/l	98
31) Cyclohexane	7.65	56	301112	18.166	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	235358	19.956	ug/l	100
36) 1,1-Dichloropropene	7.79	75	218883	19.098	ug/l	98
37) Ethyl Acetate	6.93	43	220248	17.617	ug/l	100
38) Carbon Tetrachloride	7.77	117	192383	19.934	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	260778	18.662	ug/l	98
40) Benzene	8.04	78	712702	20.036	ug/l	99
41) Methacrylonitrile	7.18	41	112455	19.380	ug/l	96
42) 1,2-Dichloroethane	8.12	62	239431	19.159	ug/l	98
43) Isopropyl Acetate	8.17	43	341644	17.987	ug/l	98
44) Trichloroethene	8.83	130	170117	20.100	ug/l	96
45) 1,2-Dichloropropane	9.12	63	198137	19.468	ug/l	99
46) Dibromomethane	9.21	93	117225	19.871	ug/l	99
47) Bromodichloromethane	9.40	83	226456	20.066	ug/l	98
48) Methyl methacrylate	9.20	41	161394	17.636	ug/l	98
49) 1,4-Dioxane	9.20	88	49423	277.092	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1059320	84.800	ug/l	98
52) Toluene	10.16	92	410794	20.201	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	211026	19.469	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	255953	19.761	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	163568	19.852	ug/l	99
56) Ethyl methacrylate	10.43	69	226911	18.515	ug/l	95
57) 1,3-Dichloropropane	10.71	76	281881	19.271	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	245978	69.151	ug/l	98
59) 2-Hexanone	10.75	43	713010	81.388	ug/l	99
60) Dibromochloromethane	10.90	129	154995	20.690	ug/l	98
61) 1,2-Dibromoethane	11.00	107	153747	19.421	ug/l	100
64) Tetrachloroethene	10.63	164	164581	20.143	ug/l	99
65) Chlorobenzene	11.43	112	408505	19.912	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	145861	20.652	ug/l	96
67) Ethyl Benzene	11.51	91	749376	19.449	ug/l	100
68) m/p-Xylenes	11.62	106	541580	39.167	ug/l	99
69) o-Xylene	11.95	106	263072	19.357	ug/l	99
70) Styrene	11.96	104	432648	19.870	ug/l	99
71) Bromoform	12.13	173	93774	19.676	ug/l #	99
73) Isopropylbenzene	12.25	105	706545	20.684	ug/l	100
74) N-amyl acetate	12.07	43	227213	15.473	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	223621	20.102	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	181649m	17.251	ug/l	
77) Bromobenzene	12.53	156	161575	18.955	ug/l	95
78) n-propylbenzene	12.59	91	782854	18.870	ug/l	99
79) 2-Chlorotoluene	12.67	91	484743	18.749	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	575183	18.594	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	50148	17.573	ug/l	97
82) 4-Chlorotoluene	12.77	91	459408	18.805	ug/l	98
83) tert-Butylbenzene	12.99	119	484133	18.259	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	541139	19.074	ug/l	98
85) sec-Butylbenzene	13.17	105	650709	18.466	ug/l	100
86) p-Isopropyltoluene	13.29	119	526894	18.372	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	261744	19.872	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	253419	19.495	ug/l	99
89) n-Butylbenzene	13.61	91	380810	17.131	ug/l	99
90) Hexachloroethane	13.87	117	90968	19.445	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	263298	20.001	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30341	17.058	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	78712	16.057	ug/l	99
94) Hexachlorobutadiene	15.01	225	83127	19.938	ug/l	100
95) Naphthalene	15.13	128	212322	15.329	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	92439	16.594	ug/l	100

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

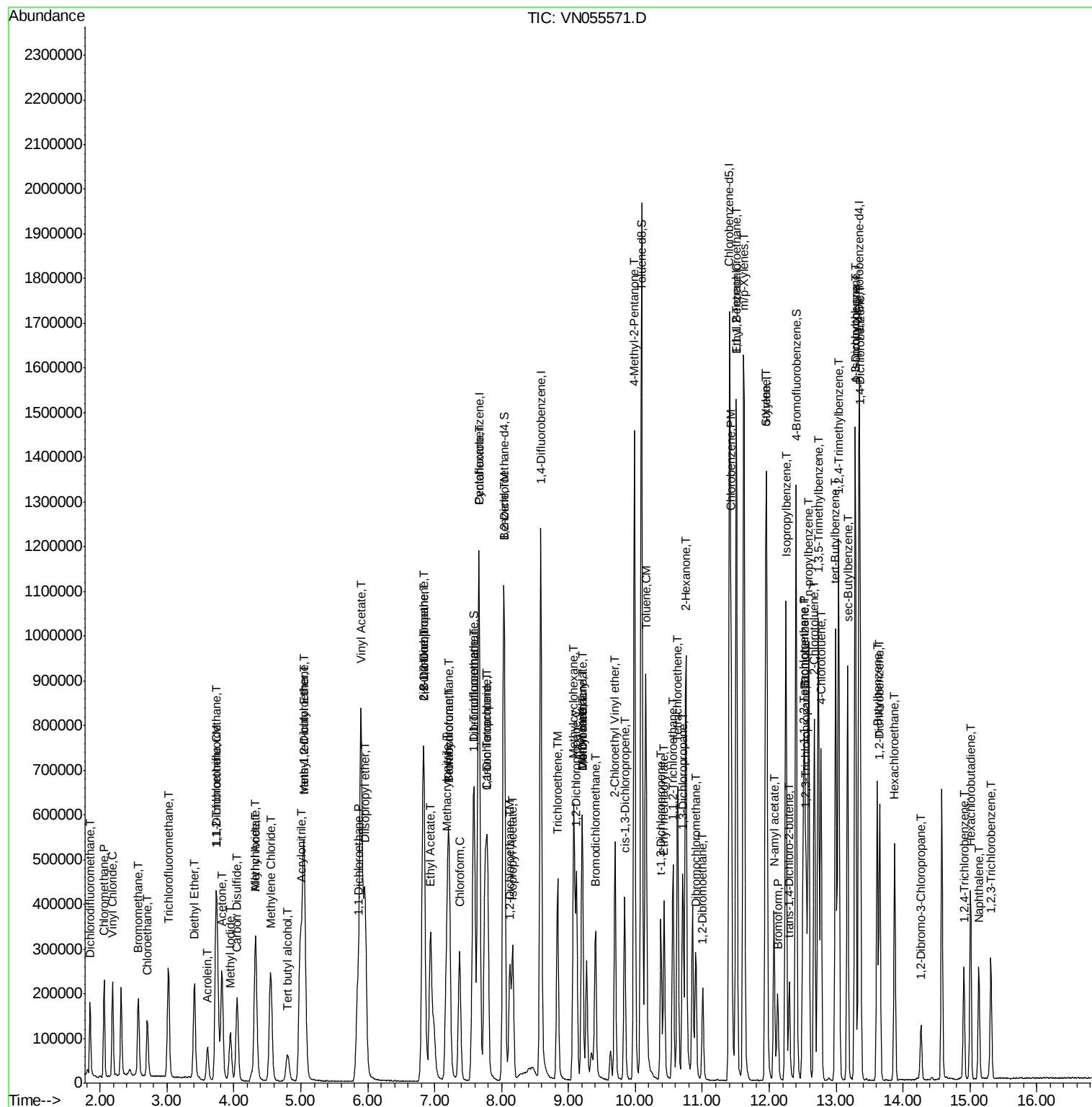
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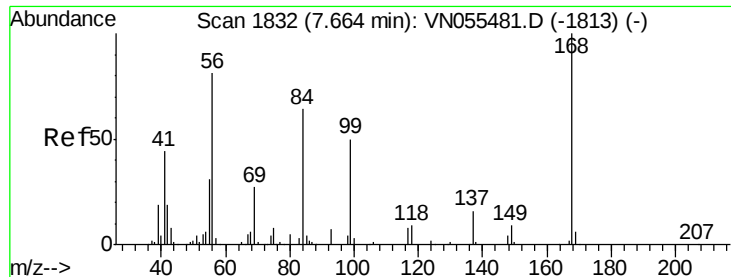
Instrument :
 MSVOA_N
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

Tot Ion:168 Resp: 682131

Ion Ratio Lower Upper

168 100

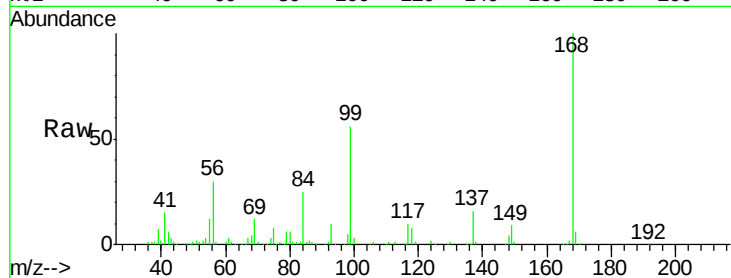
99 54.7 47.0 70.4

Manual Integrations

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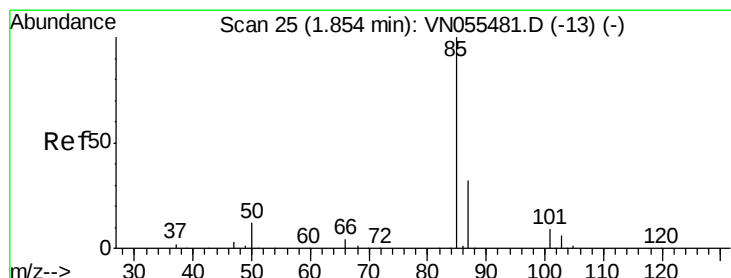
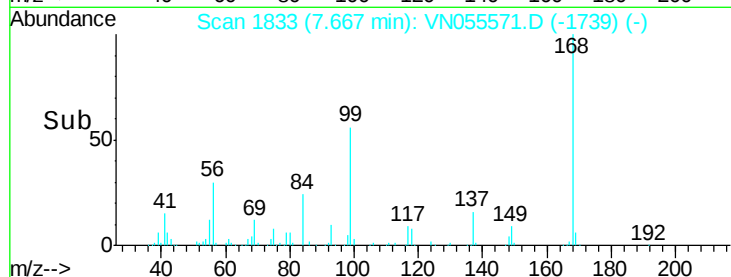
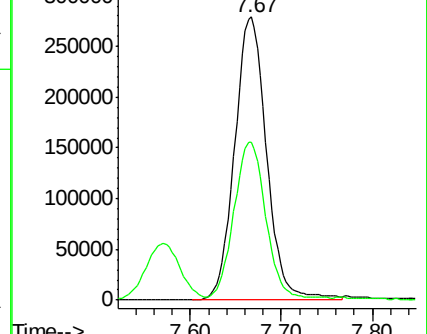
MMDadoda

5/14/2019 9:42:32 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.854 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055571.D

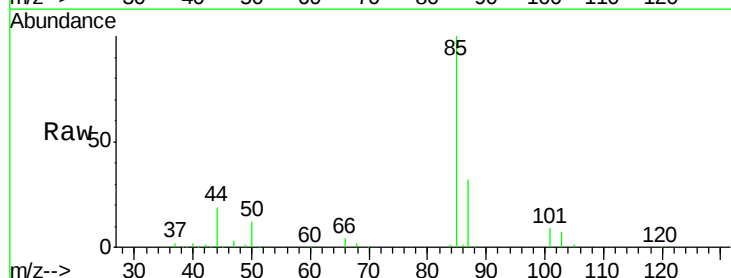
Acq: 13 May 2019 11:38

Tgt Ion: 85 Resp: 123992

Ion Ratio Lower Upper

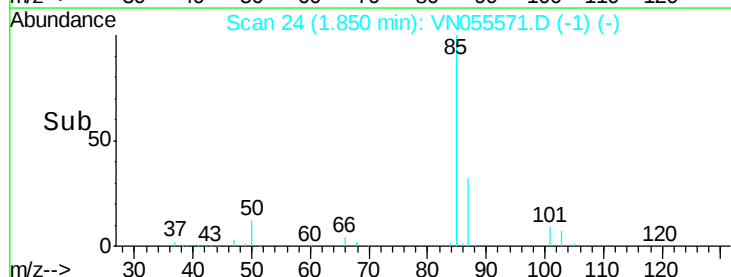
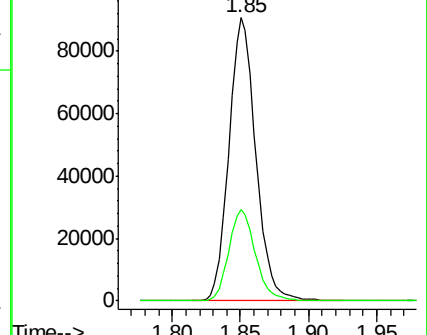
85 100

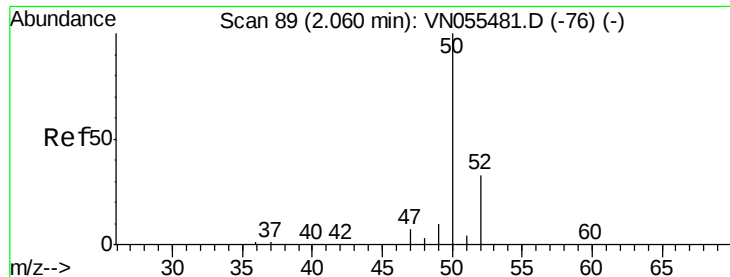
87 32.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.250 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0513MBS01

Tot Ion: 50 Resp: 194625

Ion Ratio Lower Upper

50 100

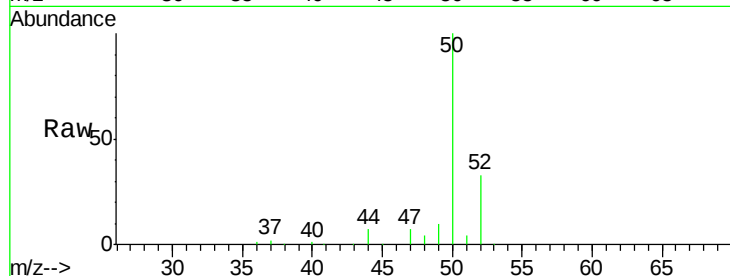
52 32.8 26.6 39.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

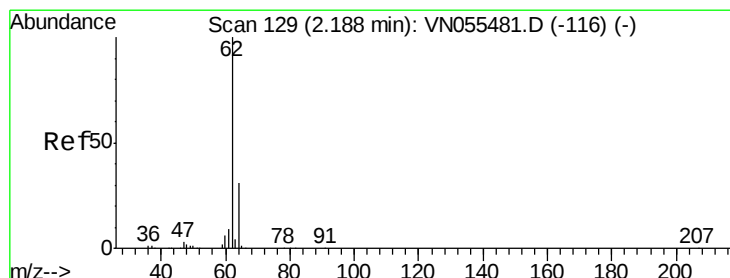
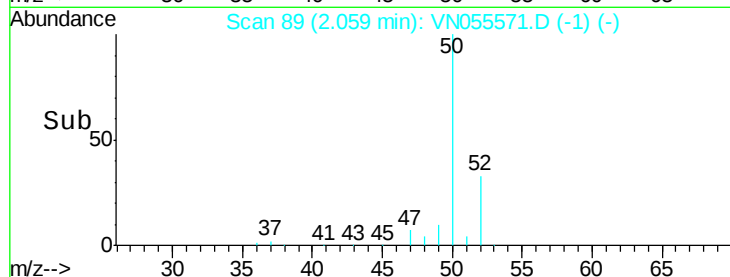
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100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 18.342 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055571.D

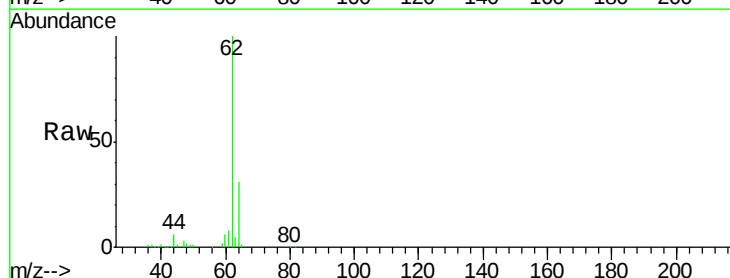
Acq: 13 May 2019 11:38

Tgt Ion: 62 Resp: 195347

Ion Ratio Lower Upper

62 100

64 30.8 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

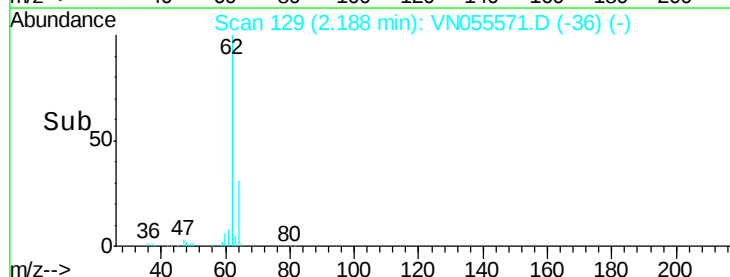
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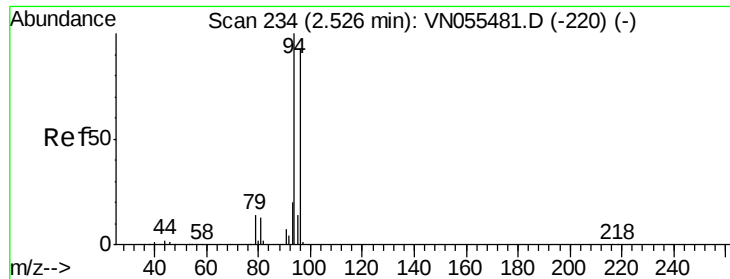
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50000

0

Time-->





#5

Bromomethane

Concen: 20.796 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.04 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

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ClientSampleId :

VN0513MBS01

Tot Ion: 94 Resp: 121351

Ion Ratio Lower Upper

94 100

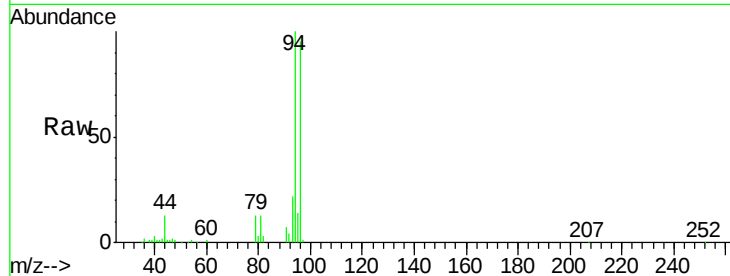
96 95.2 74.8 112.2

Manual Integrations

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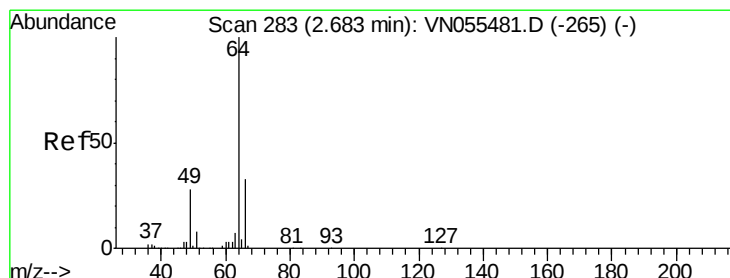
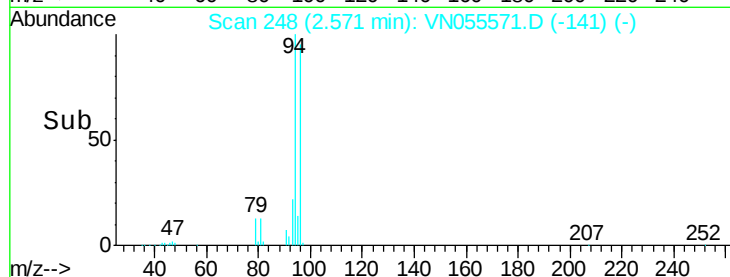
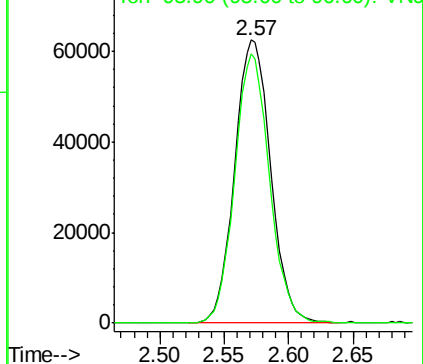
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.242 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.02 min

Lab File: VN055571.D

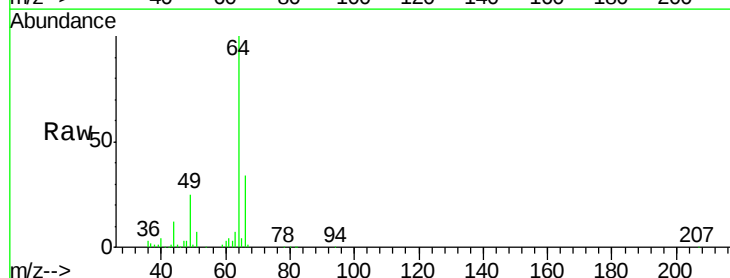
Acq: 13 May 2019 11:38

Tgt Ion: 64 Resp: 119374

Ion Ratio Lower Upper

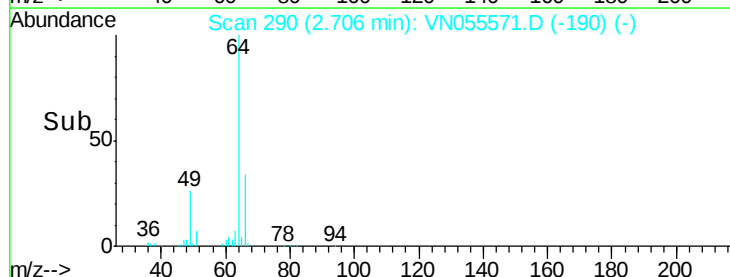
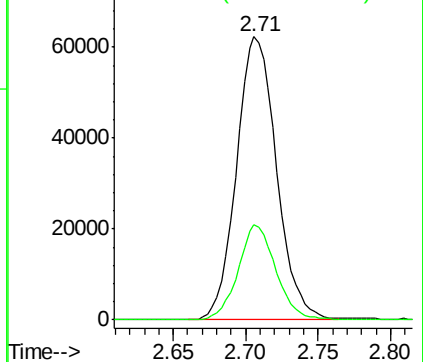
64 100

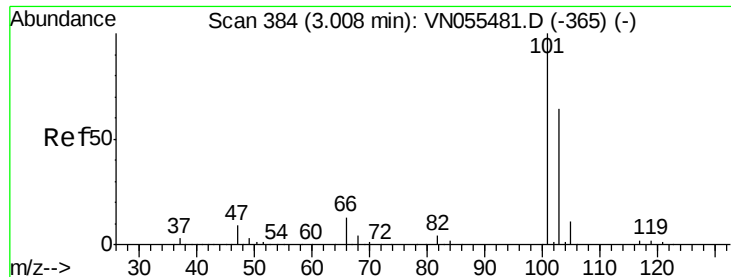
66 33.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

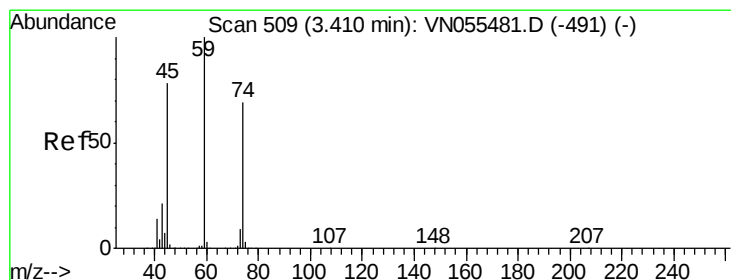
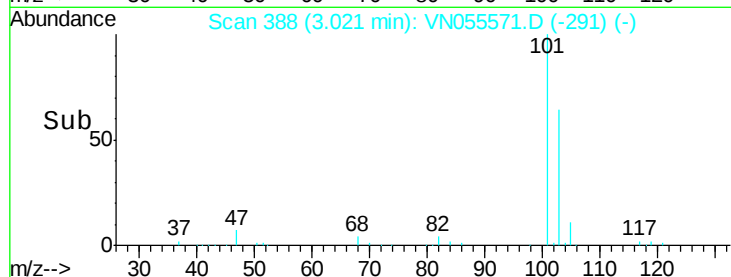
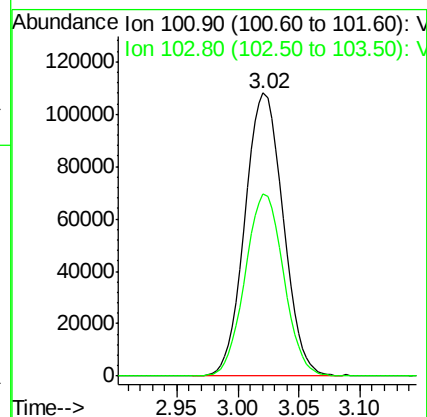
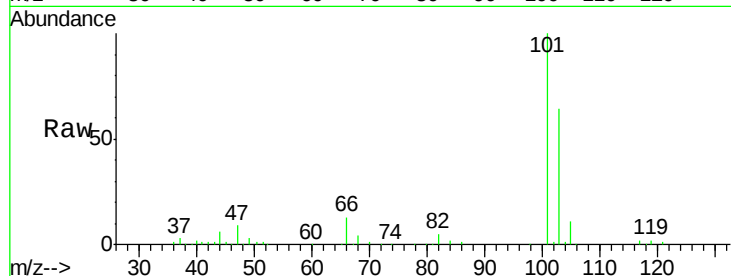
Trichlorofluoromethane
Concen: 20.097 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.01 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.2	76.8

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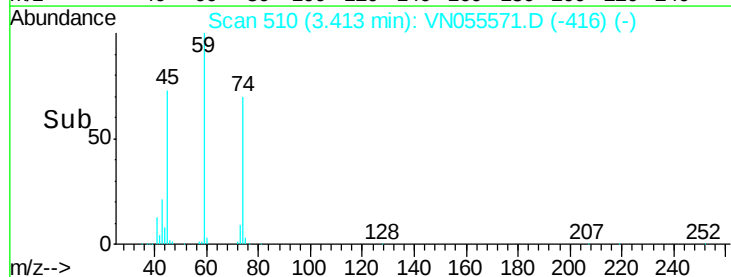
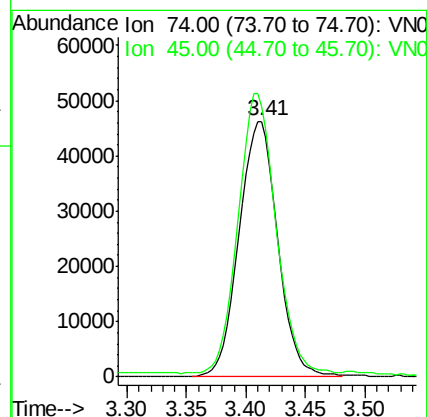
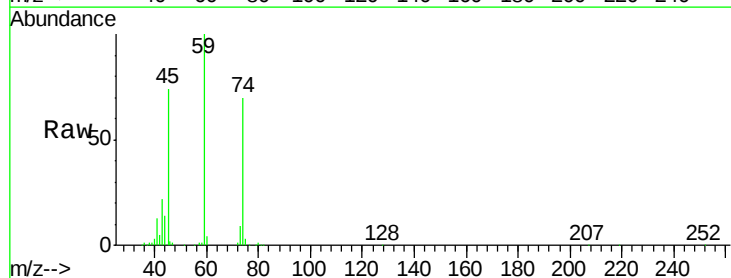
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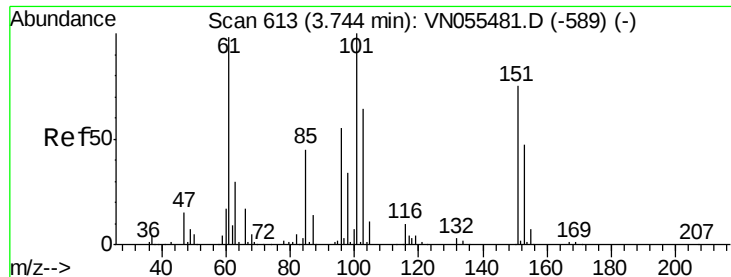


#8

Diethyl Ether
Concen: 19.791 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.5	58.1	174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.763 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

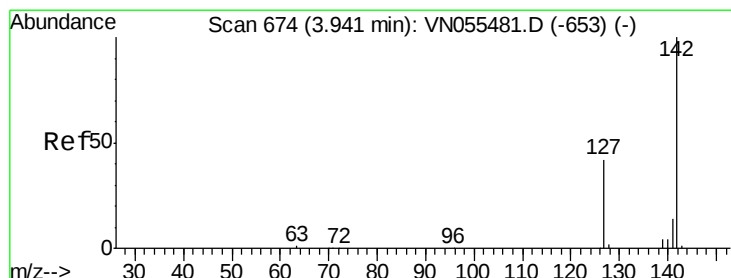
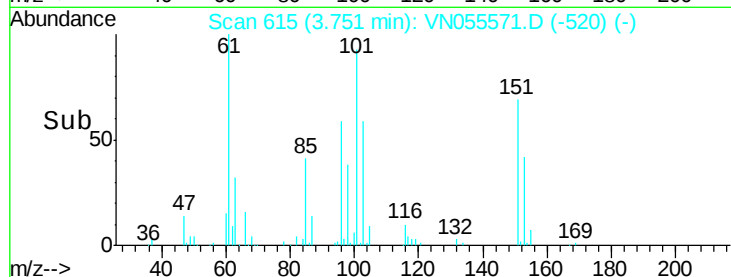
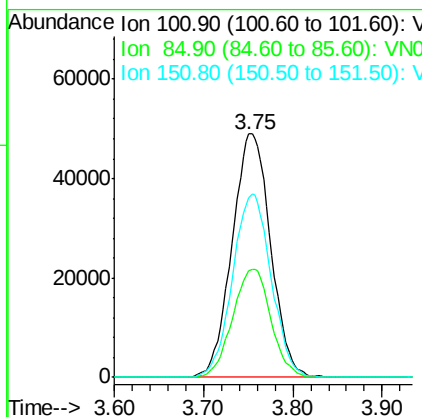
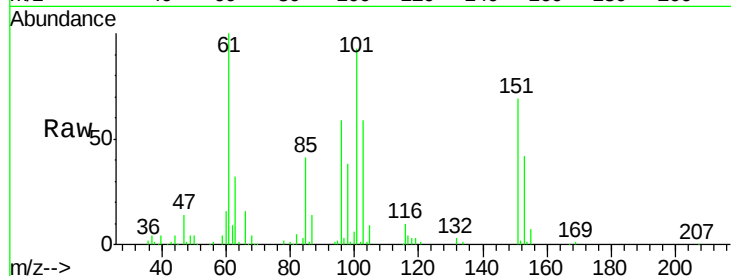
ClientSampleId :

VN0513MBS01

Tot Ion:	101	Resp:	146911
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.5	53.3
151	75.4	59.2	88.8

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5/14/2019 9:42:32 AM



#10

Methyl Iodide

Concen: 16.897 ug/l

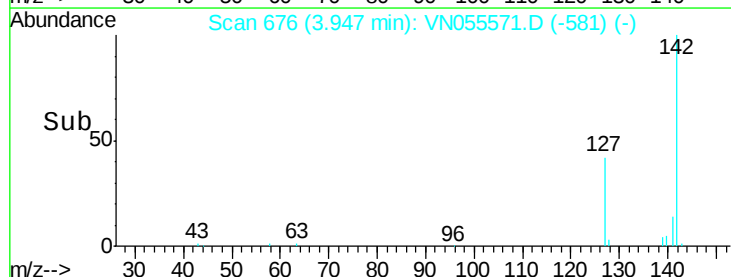
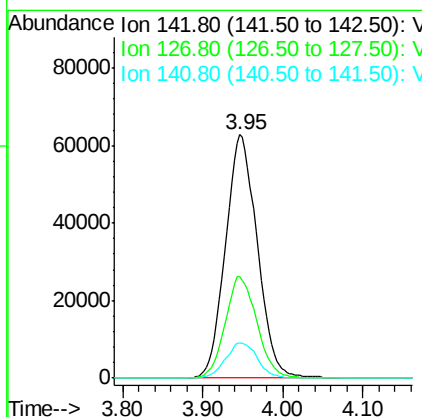
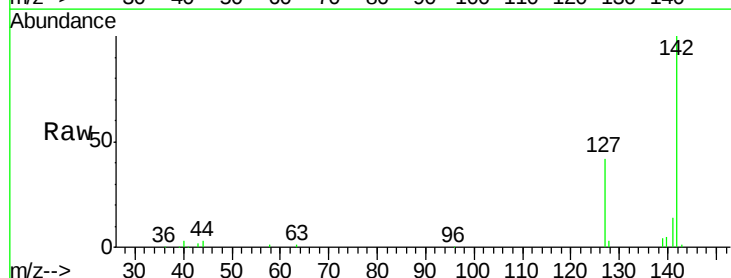
RT: 3.95 min Scan# 676

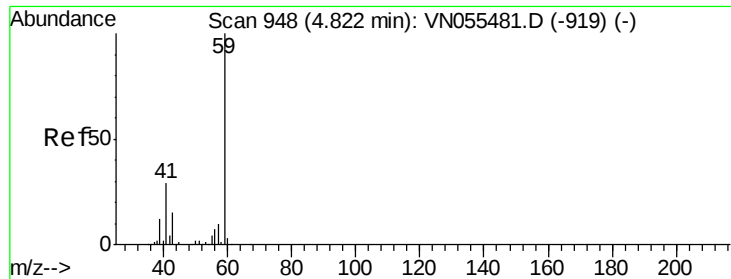
Delta R.T. 0.01 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Tgt Ion:	142	Resp:	169767
Ion Ratio	Lower	Upper	
142	100		
127	41.5	33.0	49.4
141	14.4	11.4	17.0





#11

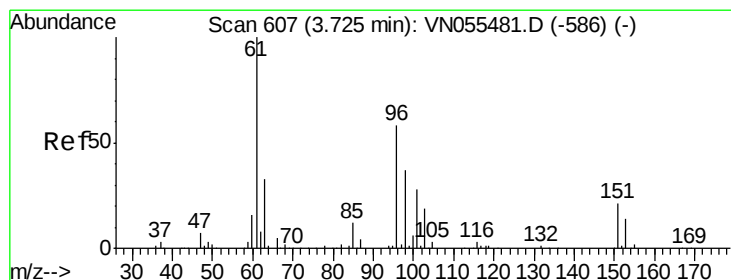
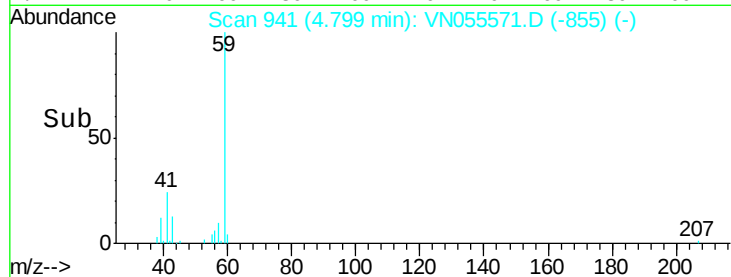
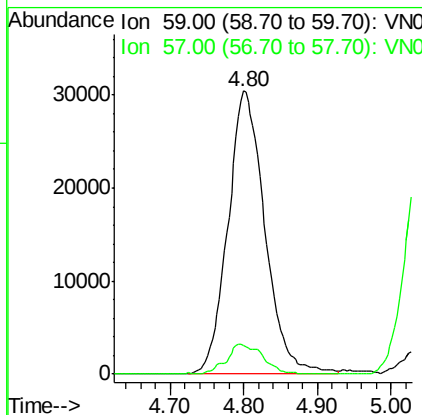
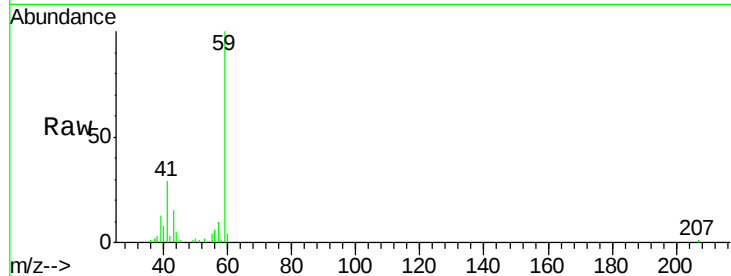
Tert butyl alcohol
 Concen: 69.971 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. -0.02 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.0	12.0

Manual Integrations
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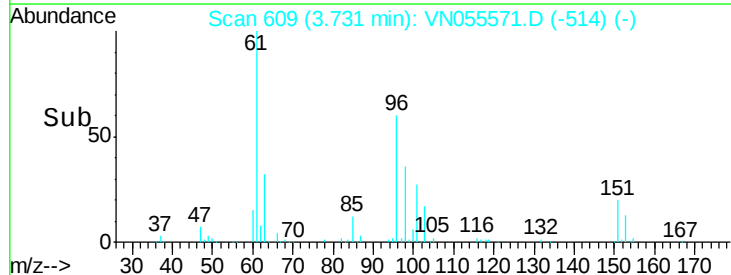
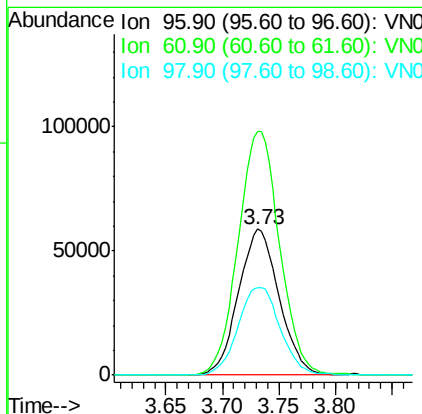
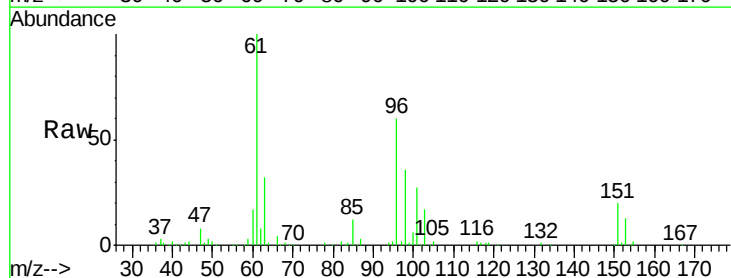
MMDadoda
 5/14/2019 9:42:32 AM

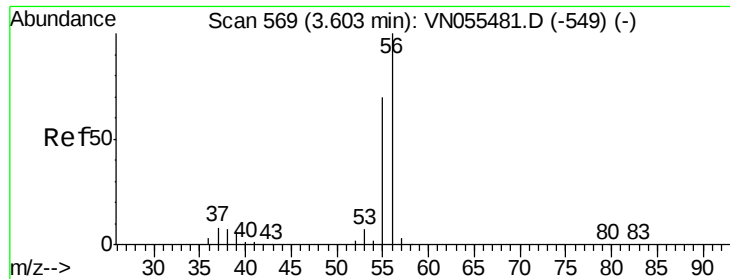


#12

1,1-Dichloroethene
 Concen: 19.728 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.01 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.7	138.7	208.1
98	60.1	50.6	76.0





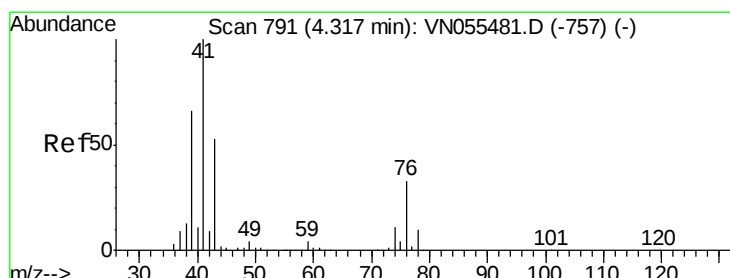
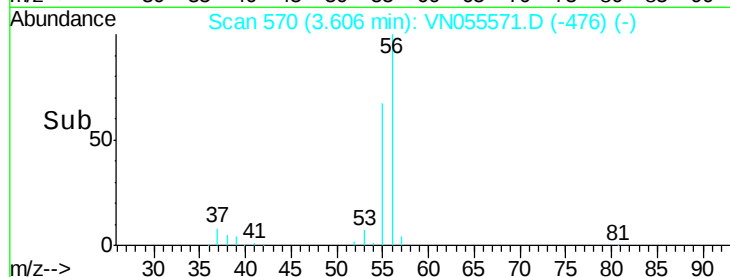
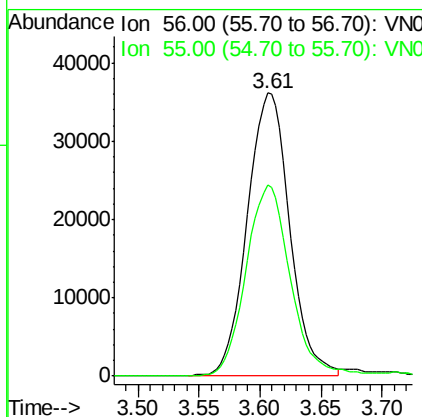
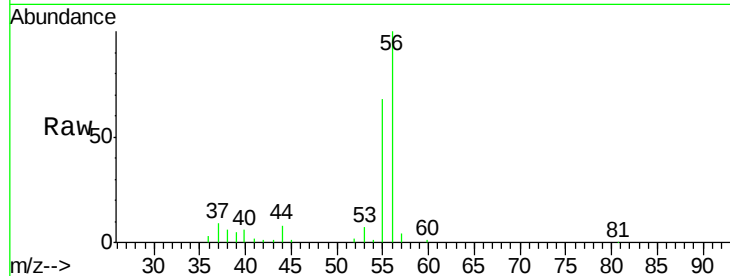
#13
Acrolein
Concen: 86.235 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.5	57.7	86.5

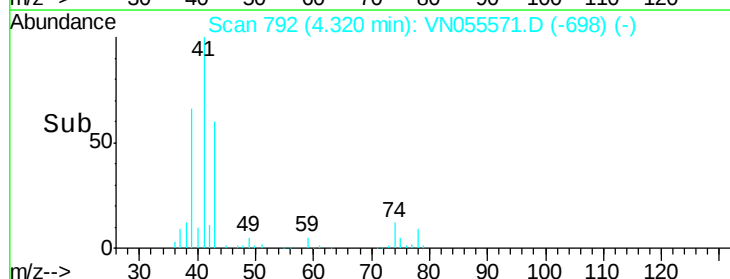
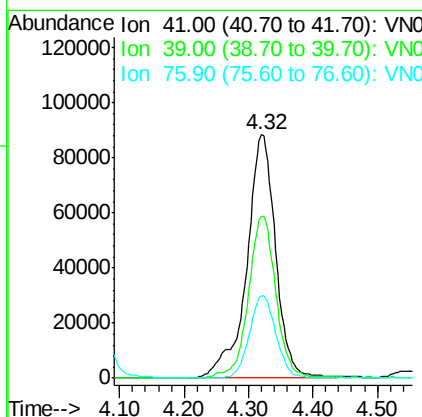
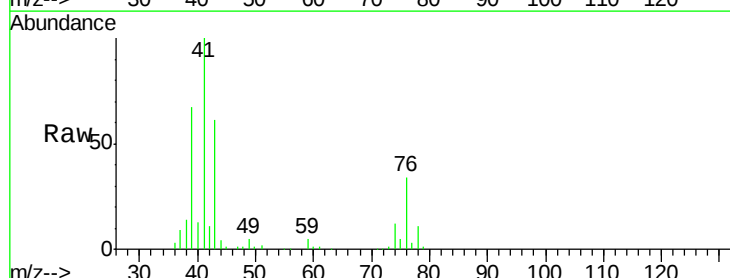
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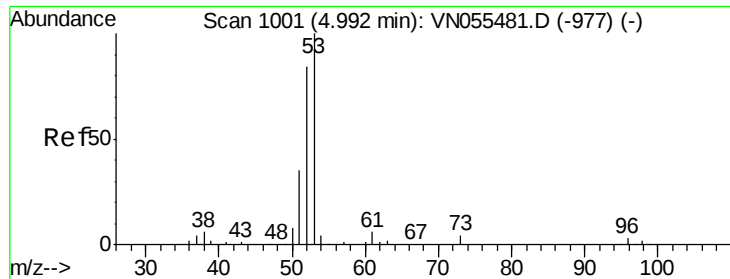
MMDadoda
5/14/2019 9:42:32 AM



#14
Allyl chloride
Concen: 18.128 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	63.6	49.8	74.8
76	76	30.9	23.5	35.3





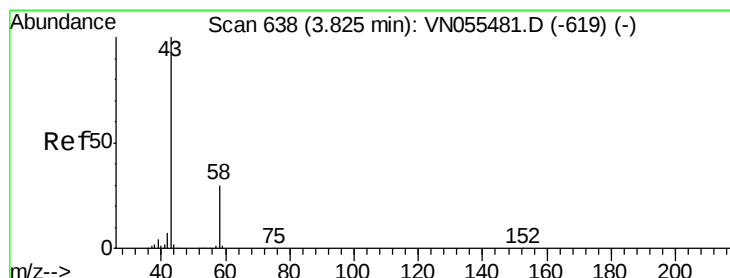
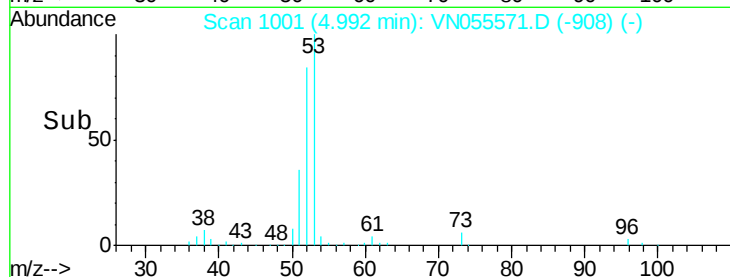
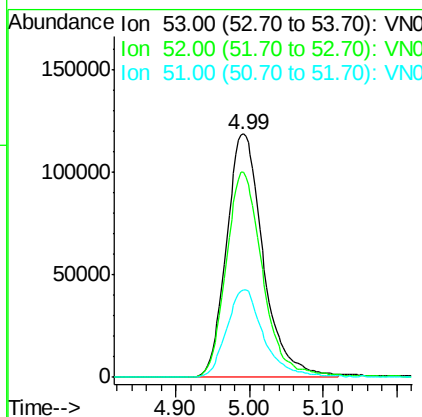
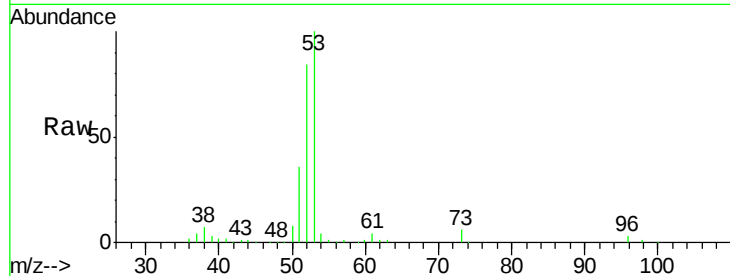
#15
 Acrylonitrile
 Concen: 87.598 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.1	99.1
51	36.7	28.3	42.5

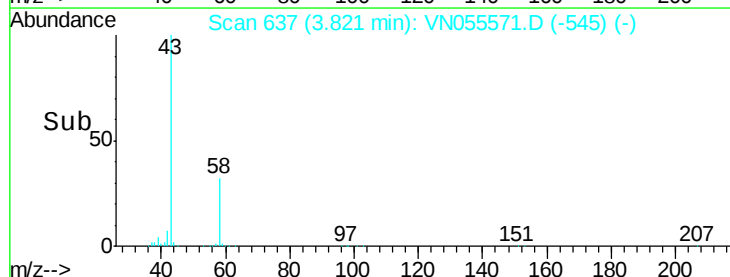
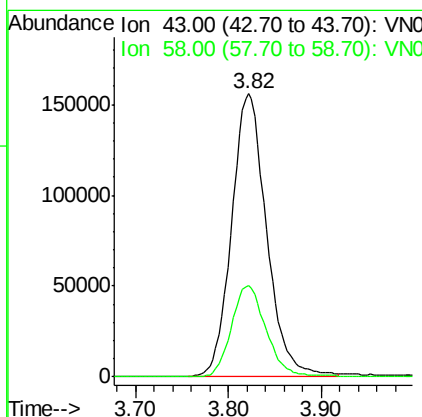
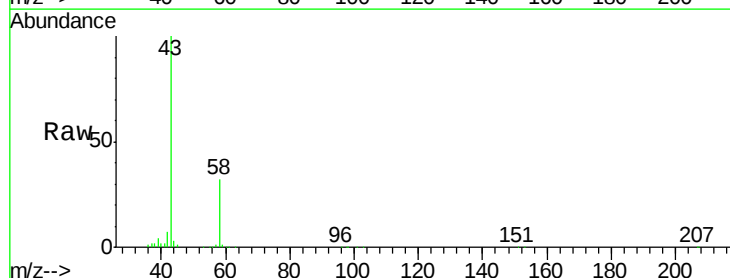
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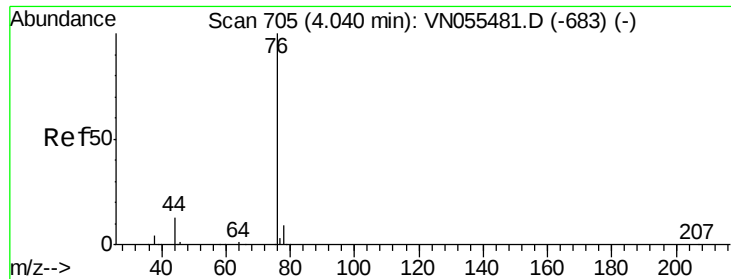
MMDadoda
 5/14/2019 9:42:32 AM



#16
 Acetone
 Concen: 84.855 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.3	24.2	36.2





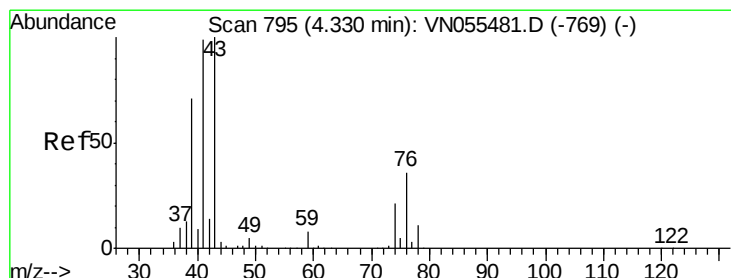
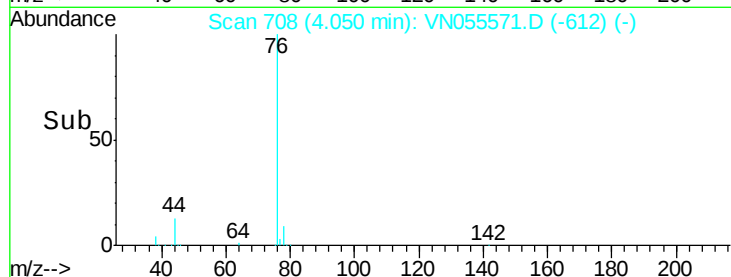
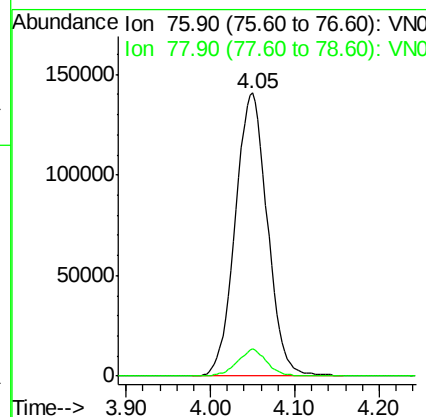
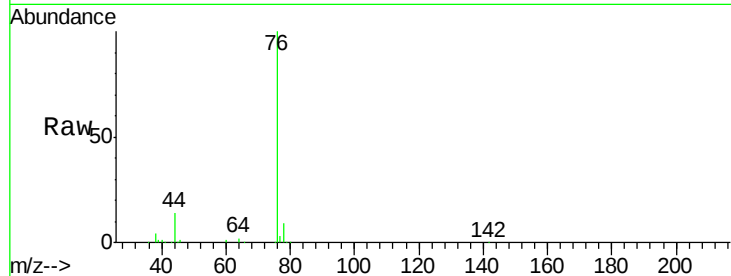
#17
Carbon Disulfide
Concen: 18.333 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.01 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

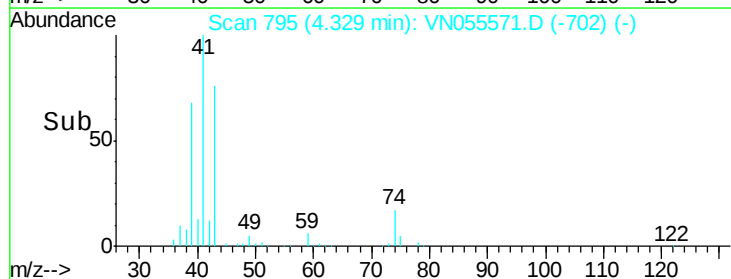
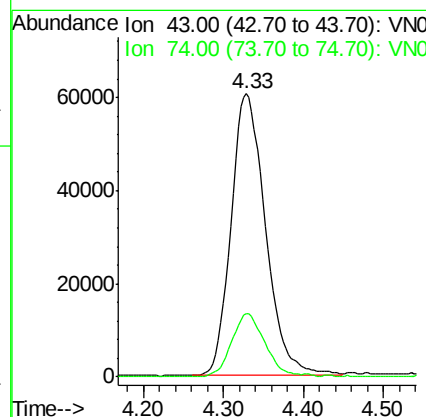
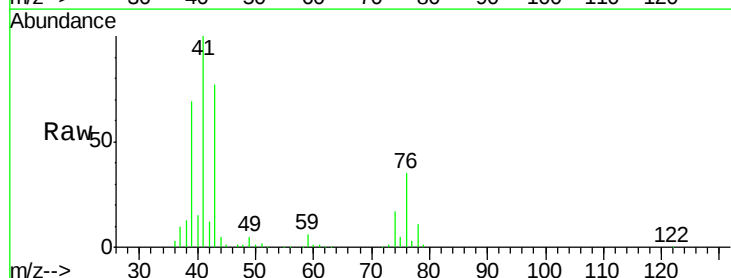
Manual Integrations
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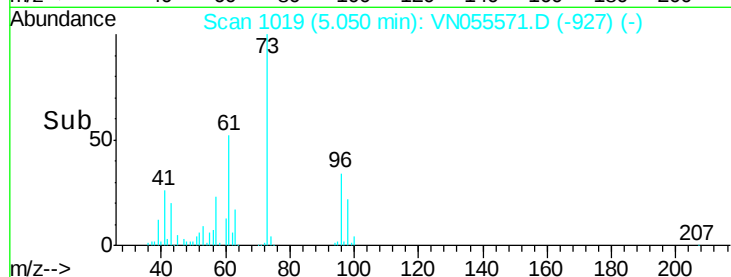
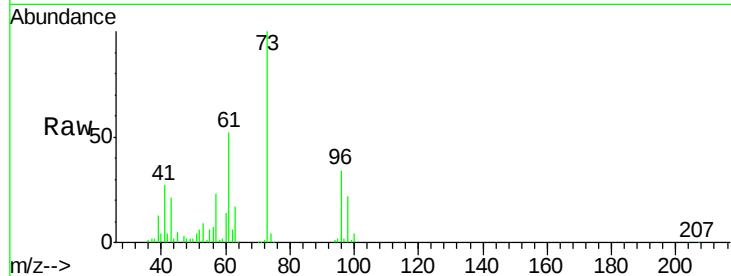
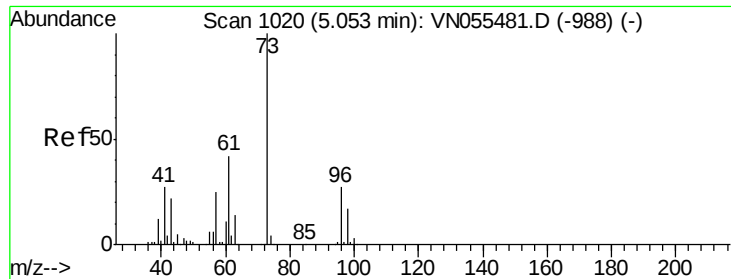
MMDadoda
5/14/2019 9:42:32 AM



#18
Methyl Acetate
Concen: 17.133 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	16.3	24.5





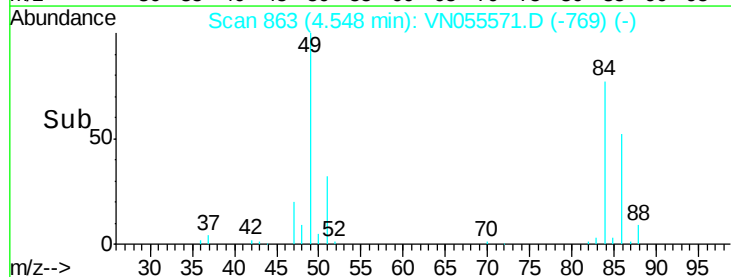
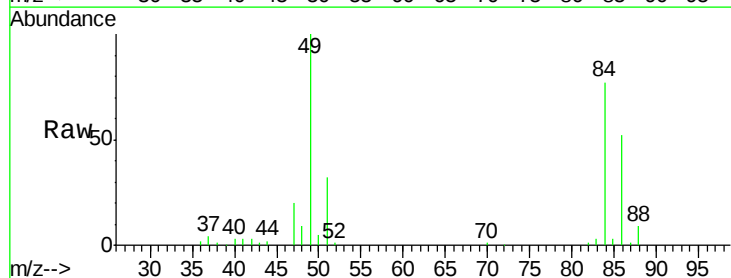
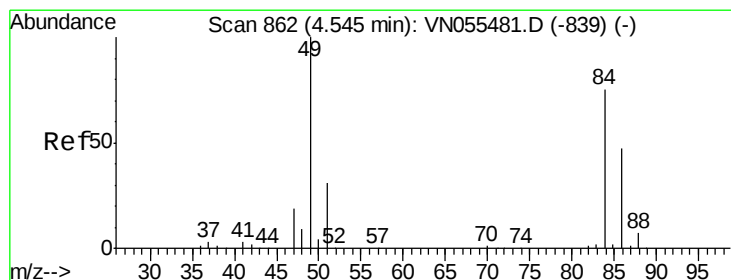
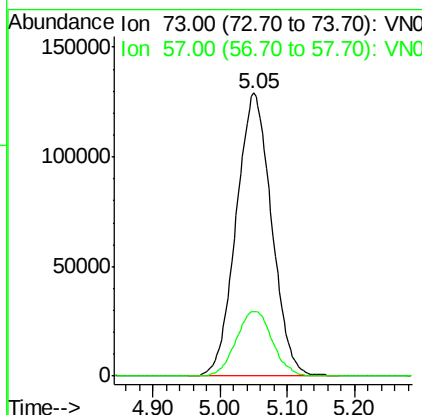
#19
Methyl tert-butyl Ether
Concen: 19.053 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tot Ion: 73 Resp: 471994
Ion Ratio Lower Upper
73 100
57 22.8 20.0 30.0

Instrument :
MSVOA_N
ClientSampled :
VN0513MBS01

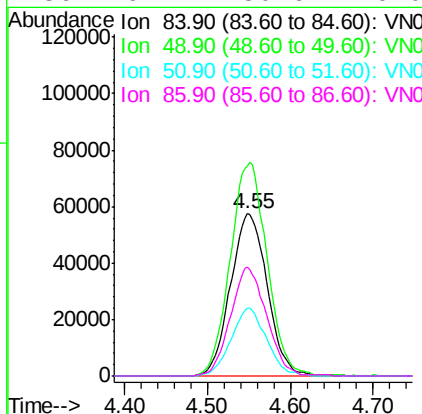
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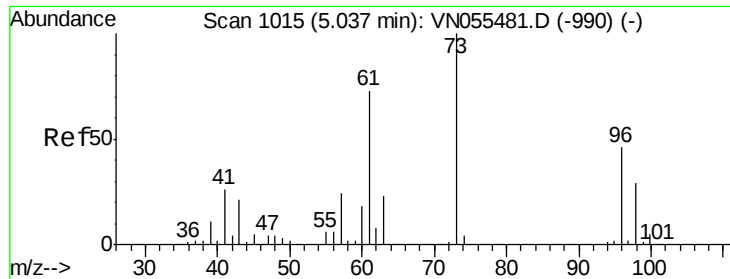
MMDadoda
5/14/2019 9:42:32 AM



#20
Methylene Chloride
Concen: 18.170 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion: 84 Resp: 176689
Ion Ratio Lower Upper
84 100
49 129.8 107.0 160.6
51 41.8 33.0 49.4
86 67.4 50.6 76.0





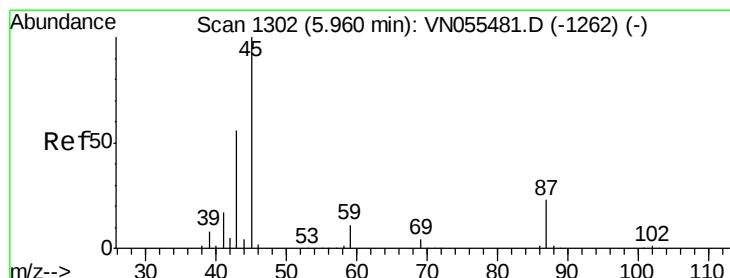
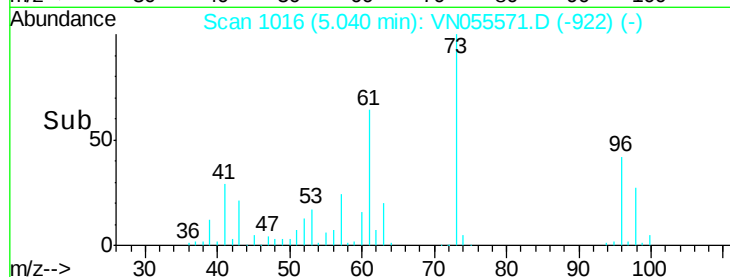
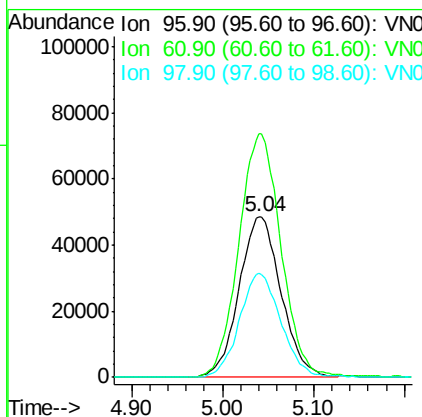
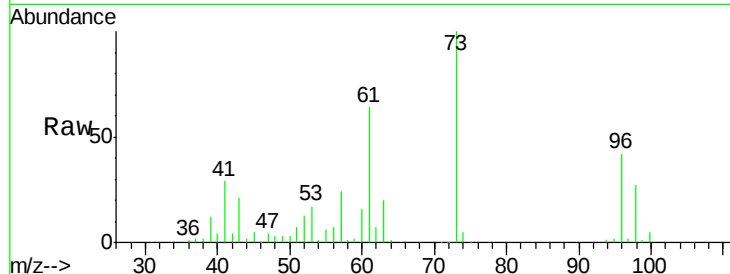
#21
trans-1,2-Dichloroethene
Concen: 19.274 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.2	127.4	191.0
98	64.7	51.6	77.4

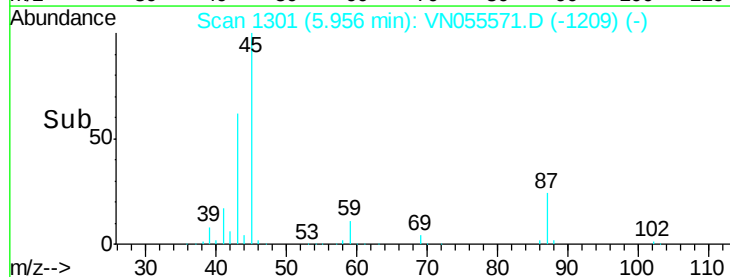
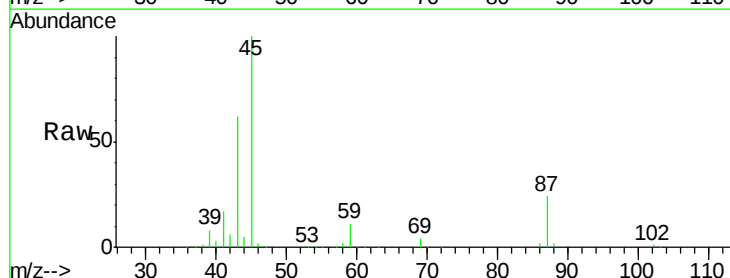
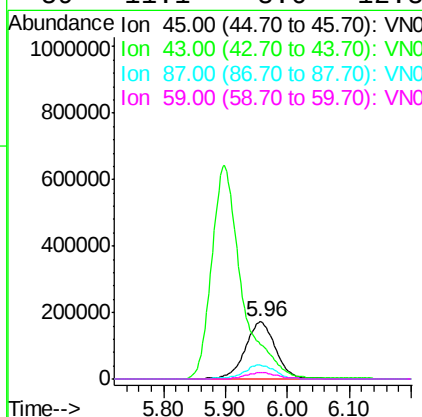
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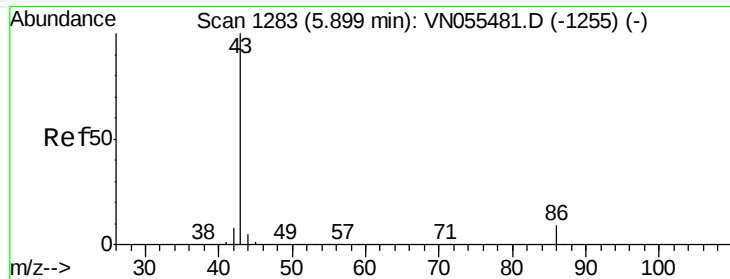
MMDadoda
5/14/2019 9:42:32 AM



#22
Diisopropyl ether
Concen: 19.007 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.7	44.6	66.8
87	23.7	18.6	28.0
59	11.1	8.6	12.8





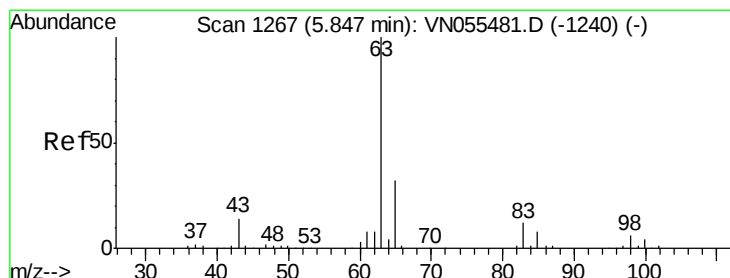
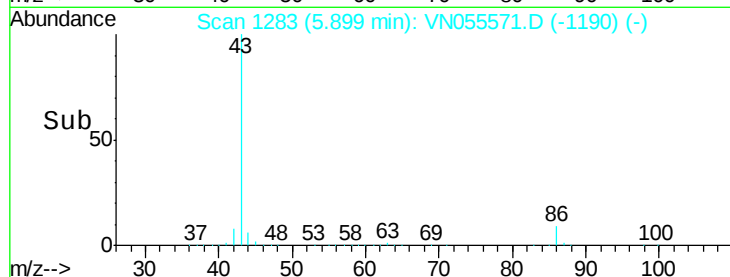
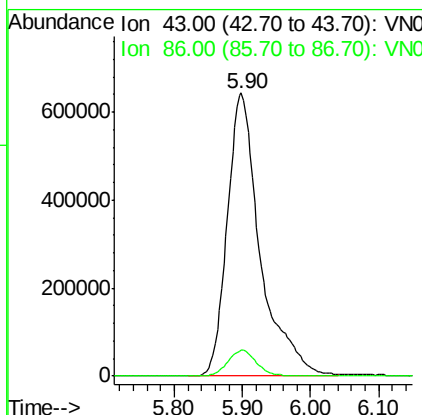
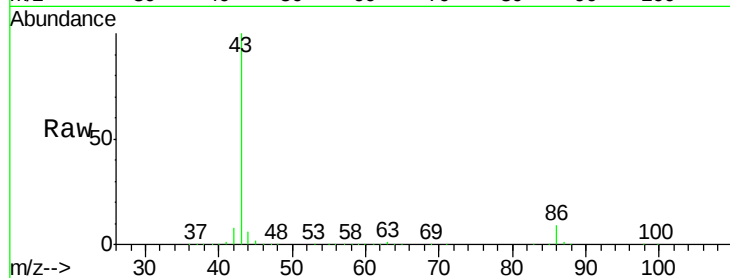
#23
 Vinyl Acetate
 Concen: 90.075 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBS01

Tot Ion	43	Resp	2161861
Ion Ratio	100	Lower	Upper
43	100		
86	9.2	7.1	10.7

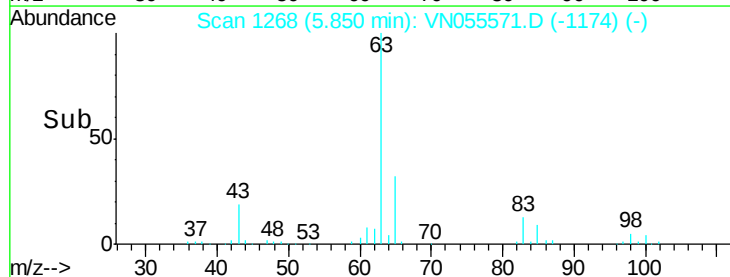
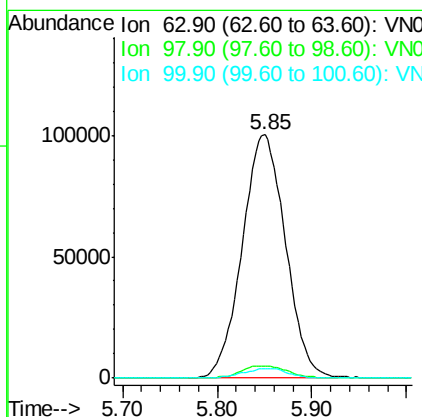
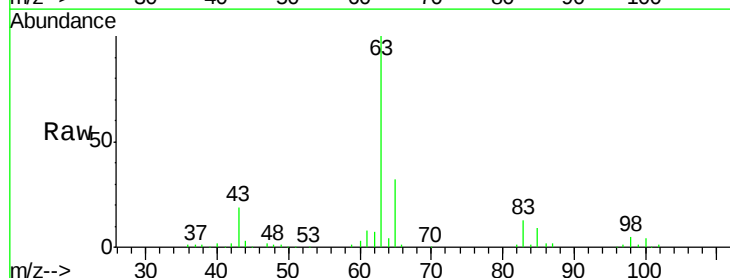
Manual Integrations
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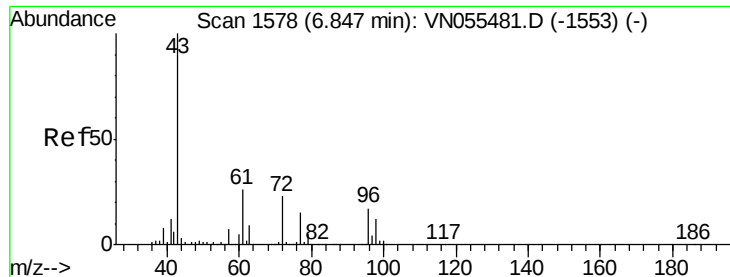
MMDadoda
 5/14/2019 9:42:32 AM



#24
 1,1-Dichloroethane
 Concen: 19.017 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Tgt Ion	63	Resp	318596
Ion Ratio	100	Lower	Upper
63	100		
98	4.9	3.0	9.0
100	4.0	1.9	5.7





#25

2-Butanone

Concen: 84.327 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.01 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

Tot Ion: 43 Resp: 553966

Ion Ratio Lower Upper

43 100

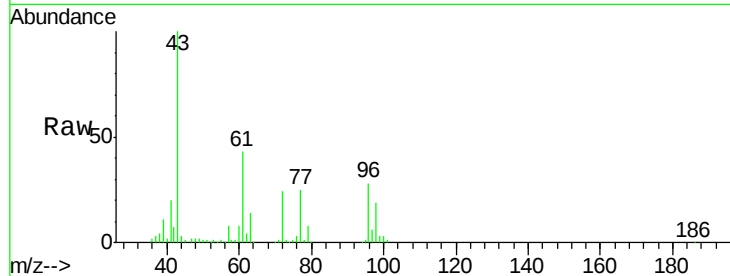
72 24.1 18.6 27.8

Manual Integrations

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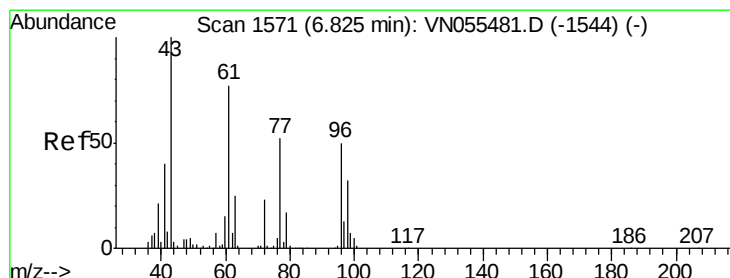
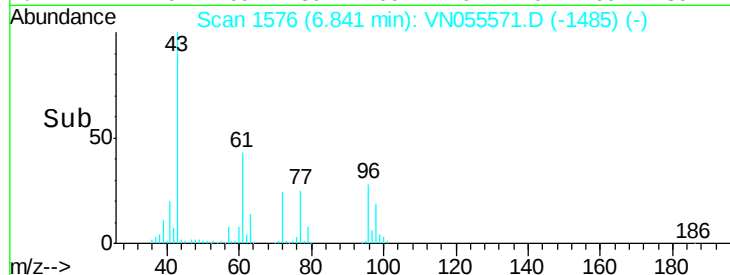
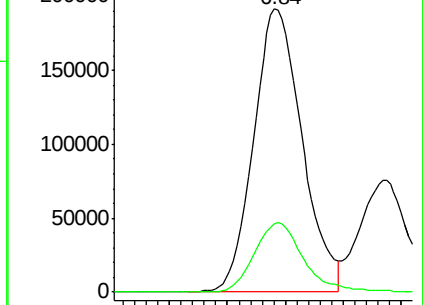
MMDadoda

5/14/2019 9:42:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.292 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055571.D

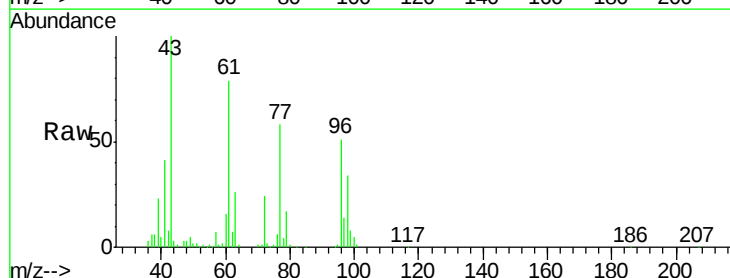
Acq: 13 May 2019 11:38

Tgt Ion: 77 Resp: 211920

Ion Ratio Lower Upper

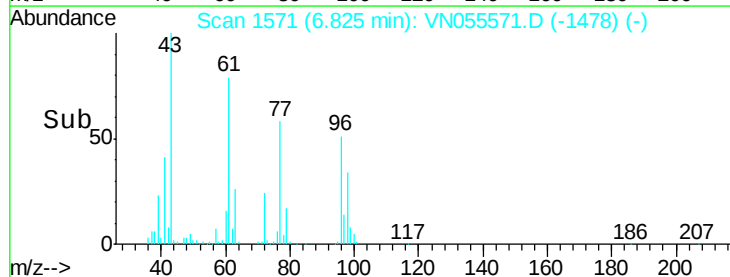
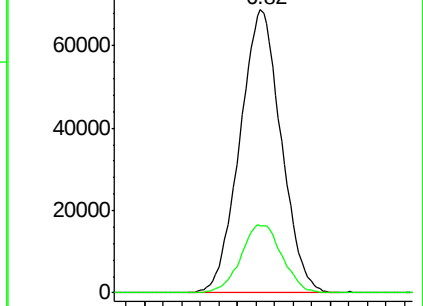
77 100

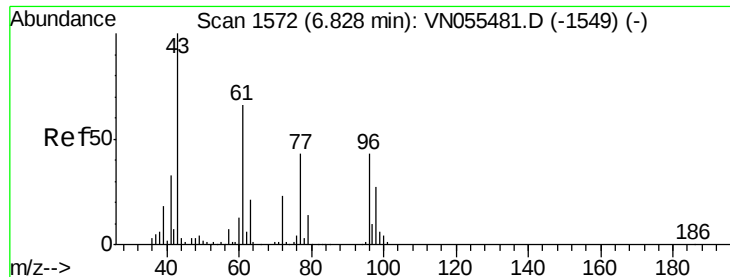
97 24.1 11.5 34.5



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: 19.558 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

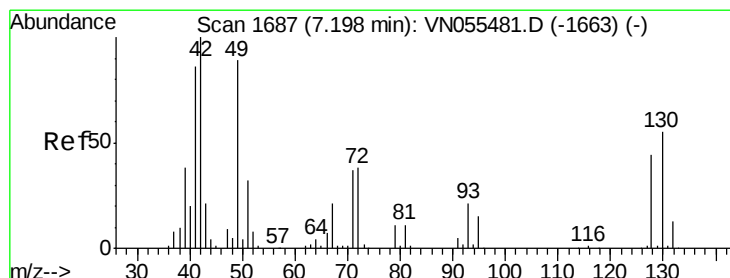
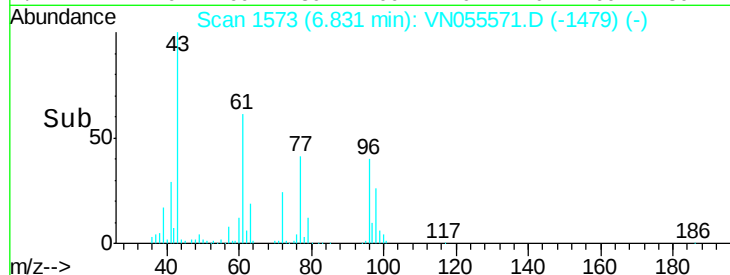
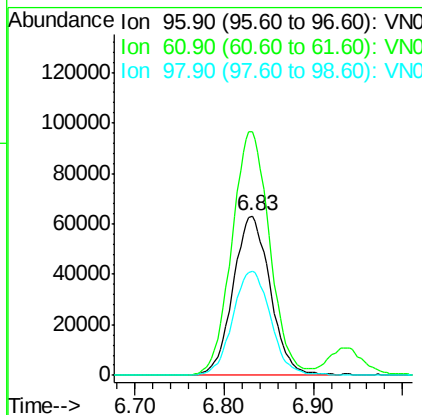
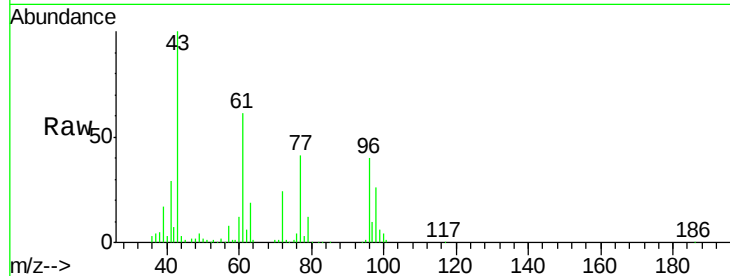
ClientSampleId :

VN0513MBS01

Tot Ion:	96	Resp:	182700
Ion	Ratio	Lower	Upper
96	100		
61	155.7	0.0	310.8
98	66.6	0.0	129.4

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#28

Bromochloromethane

Concen: 19.546 ug/l

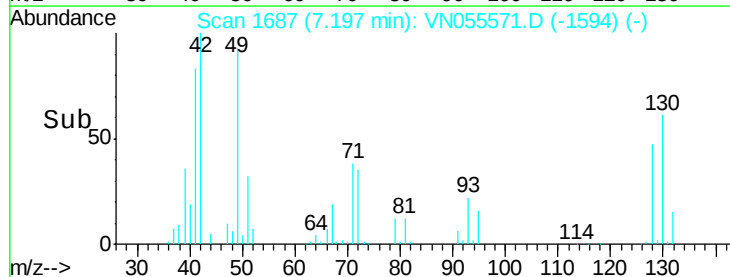
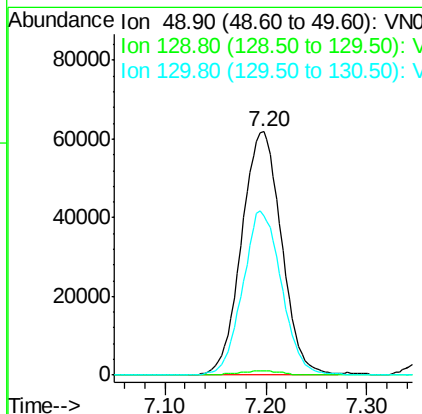
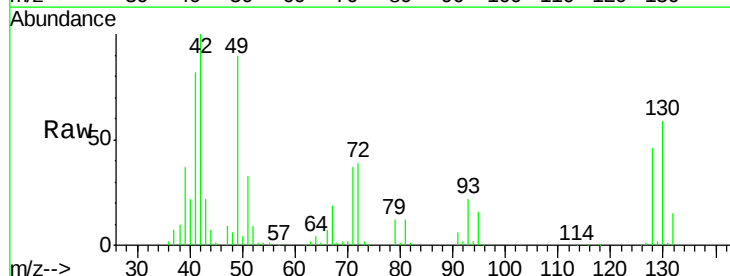
RT: 7.20 min Scan# 1687

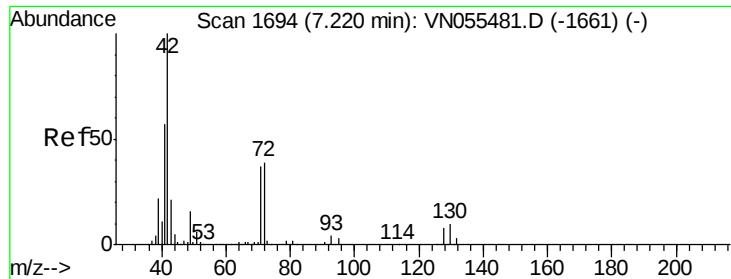
Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Tgt Ion:	49	Resp:	170053
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	65.5	49.5	74.3





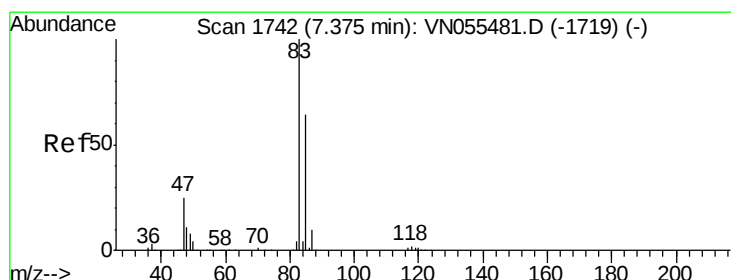
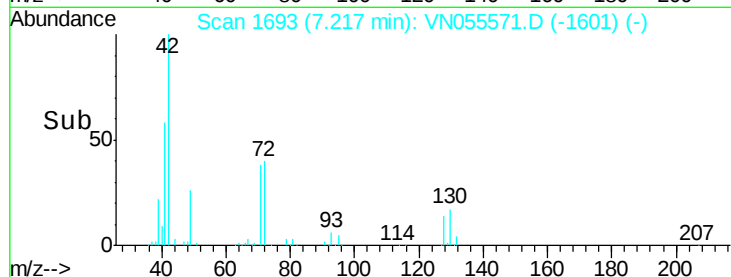
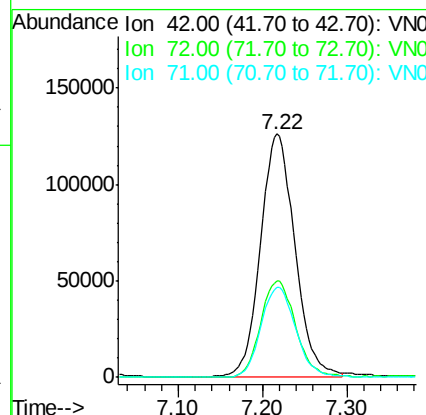
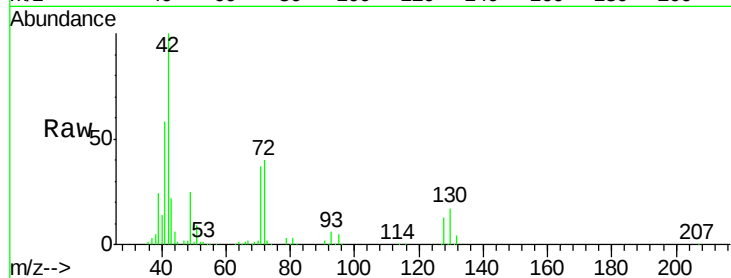
#29
Tetrahydrofuran
Concen: 82.046 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	31.0	46.6
71	37.7	29.4	44.2

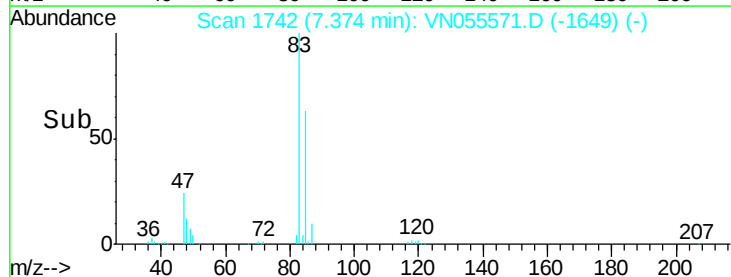
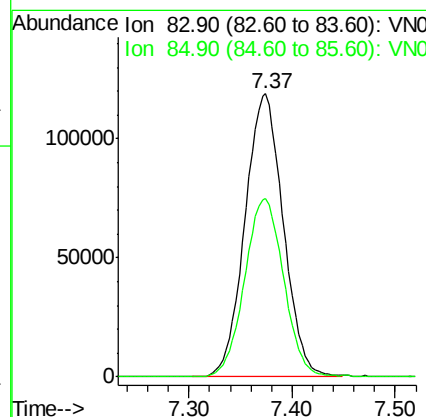
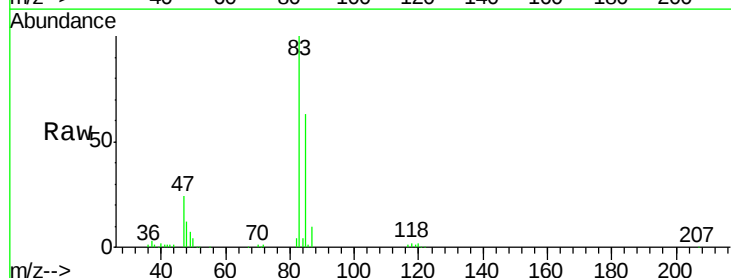
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APPROVED

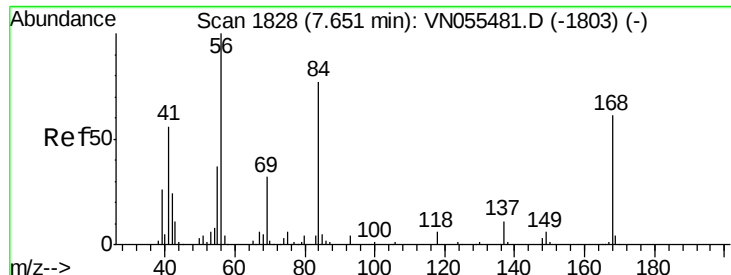
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#30
Chloroform
Concen: 19.789 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.3	76.9





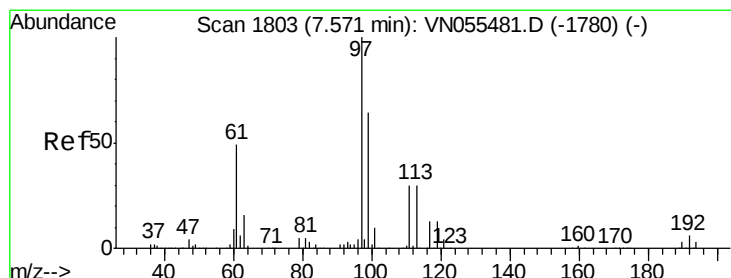
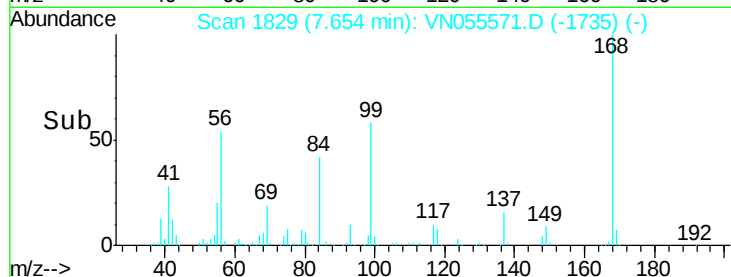
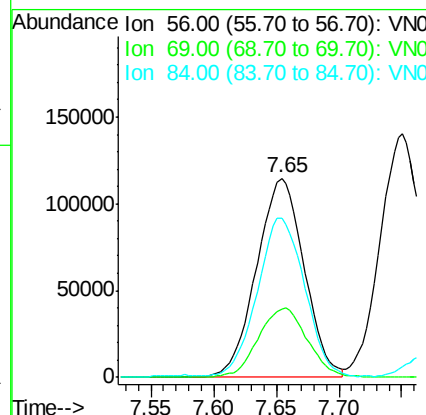
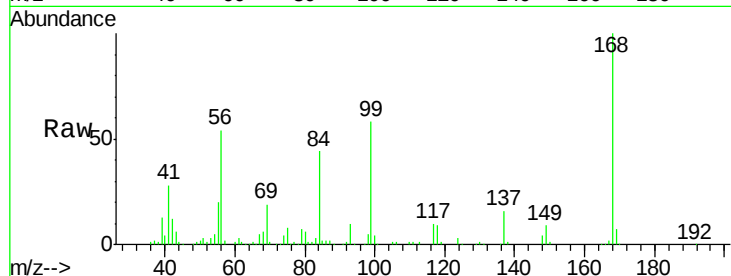
#31
Cyclohexane
Concen: 18.166 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	26.0	39.0
84	79.2	61.9	92.9

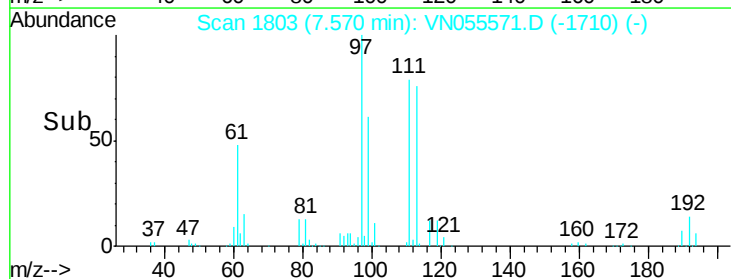
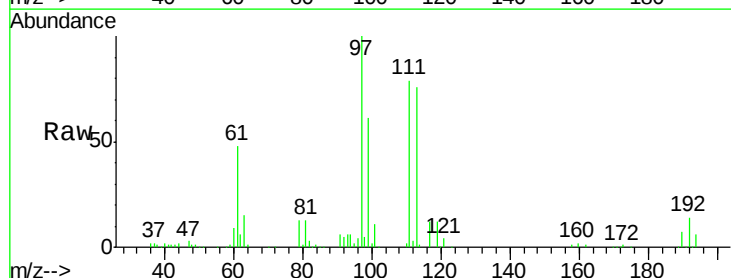
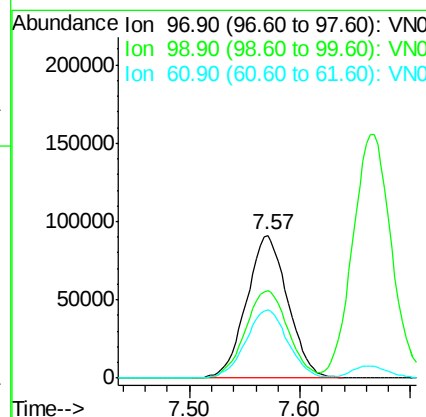
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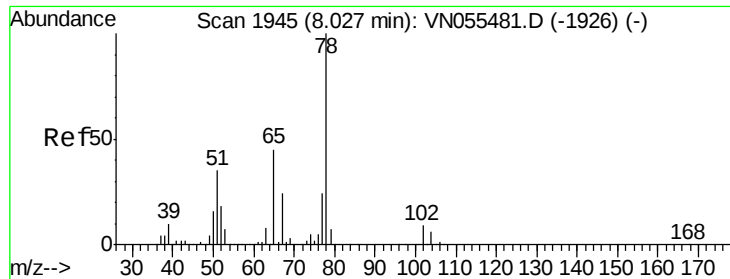
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#32
1,1,1-Trichloroethane
Concen: 19.956 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.2	76.8
61	48.8	39.2	58.8





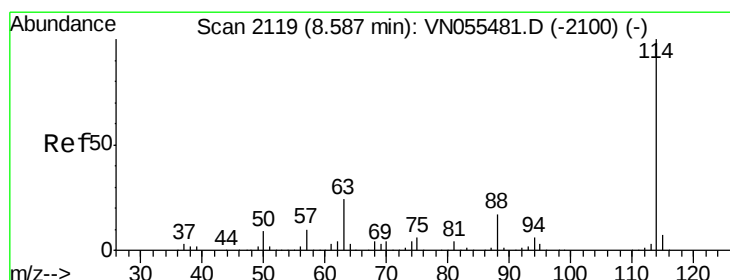
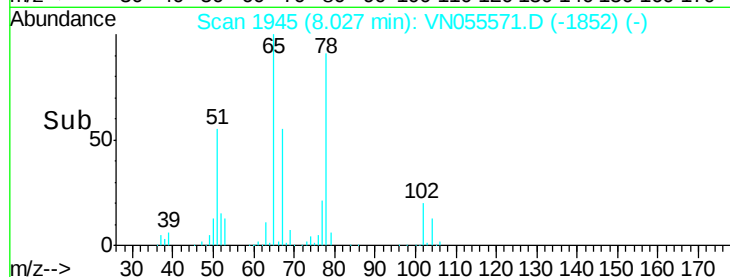
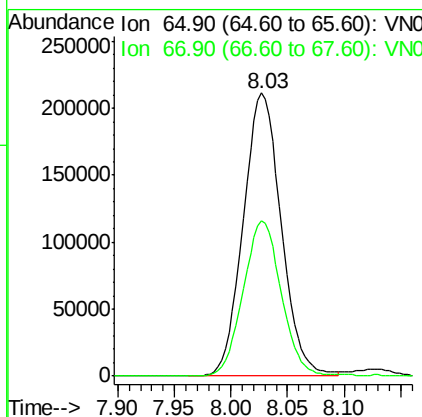
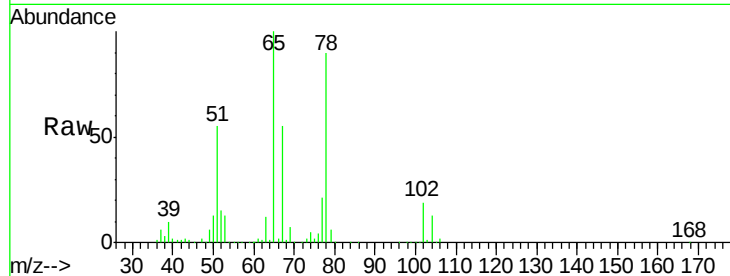
#33
 1,2-Dichloroethane-d4
 Concen: 48.138 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	494403		
67	54.8	0.0	109.6	

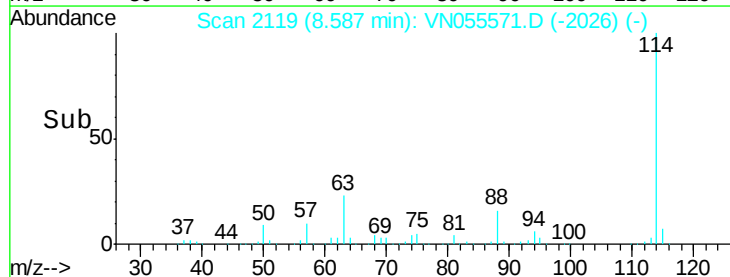
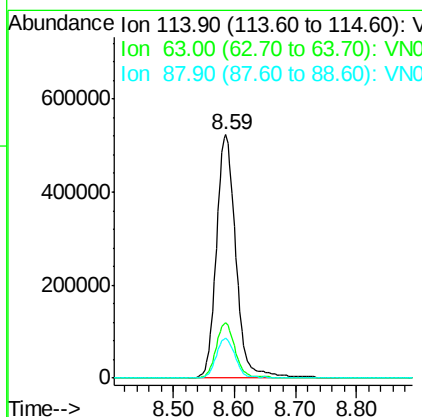
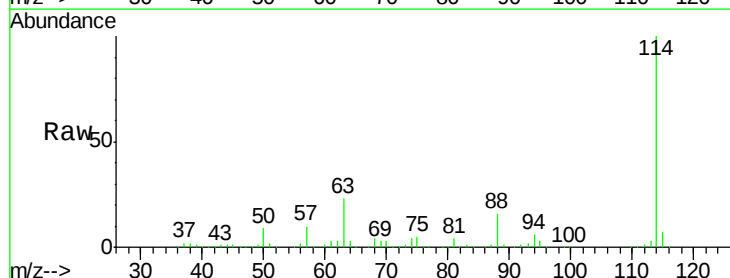
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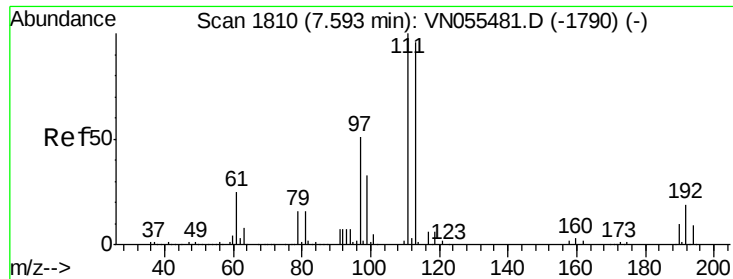
MMDadoda
 5/14/2019 9:42:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1163363		
63	22.7	0.0	47.4	
88	16.3	0.0	34.0	





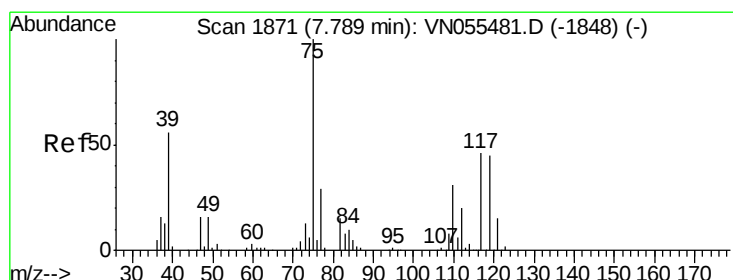
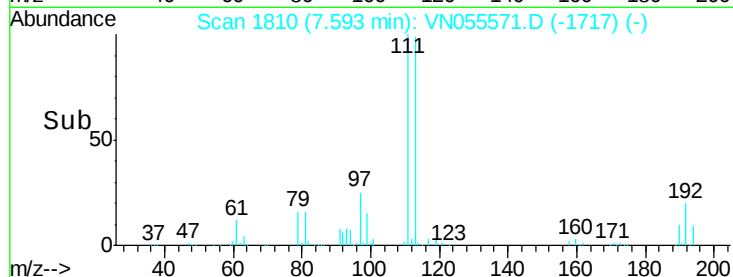
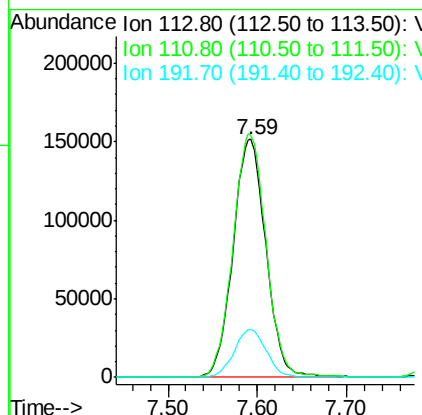
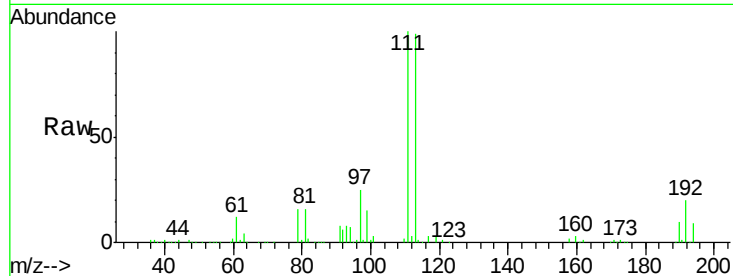
#35
 Dibromofluoromethane
 Concen: 51.414 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.2	82.9	124.3	
192	19.8	15.6	23.4	

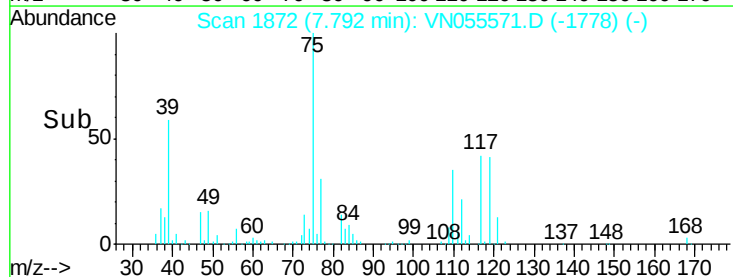
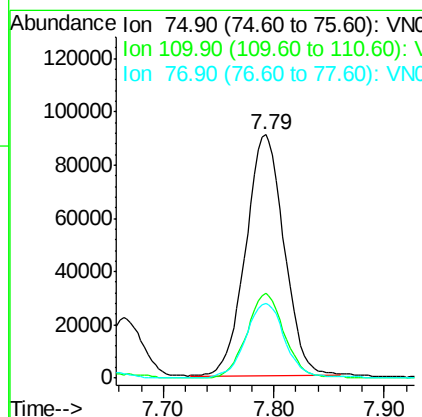
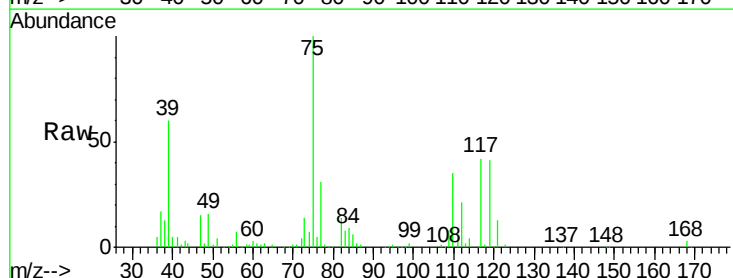
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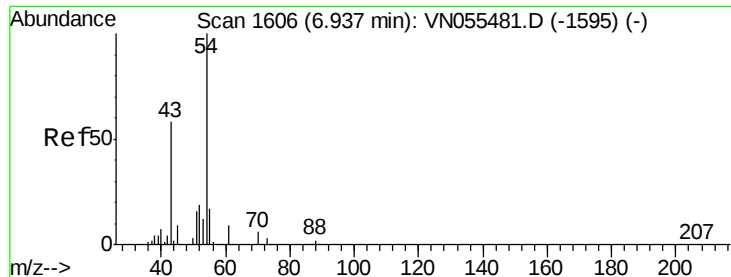
MMDadoda
 5/14/2019 9:42:32 AM



#36
 1,1-Dichloropropene
 Concen: 19.098 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.5	16.1	48.3	
77	30.9	24.6	37.0	





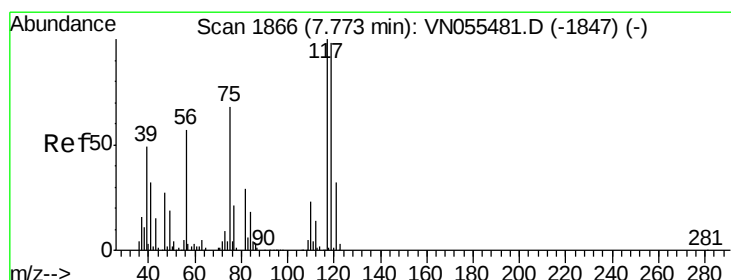
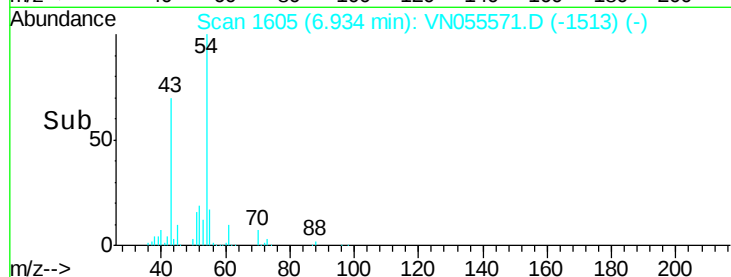
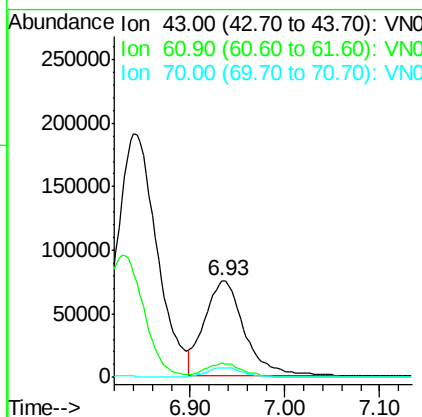
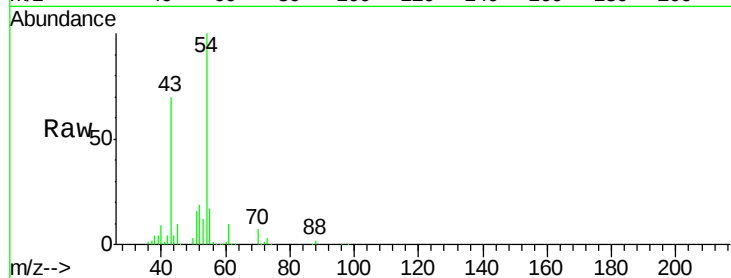
#37
Ethyl Acetate
Concen: 17.617 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	8.9	7.0	10.6

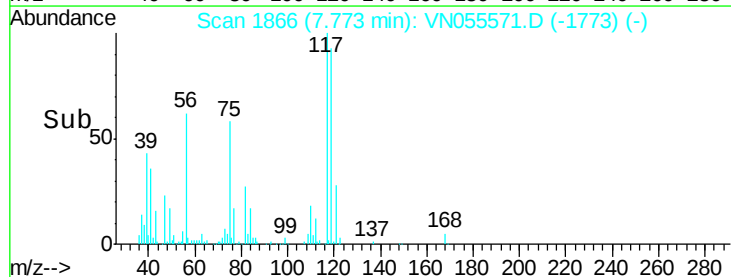
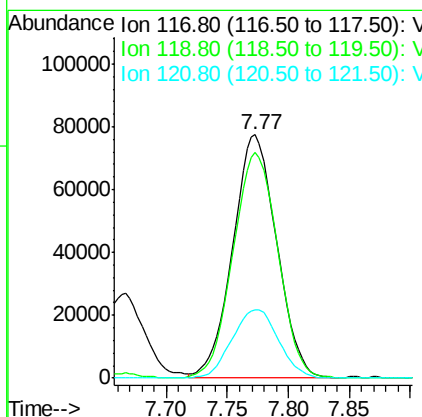
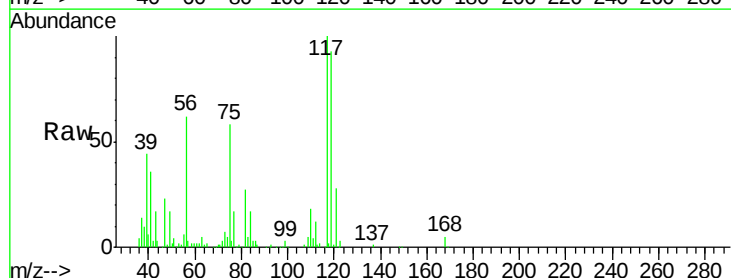
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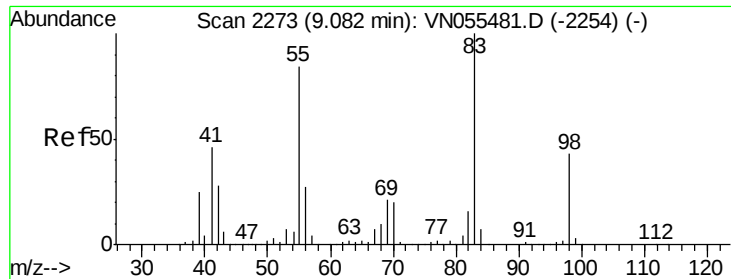
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5/14/2019 9:42:32 AM



#38
Carbon Tetrachloride
Concen: 19.934 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	77.8	116.6
121	28.3	25.2	37.8





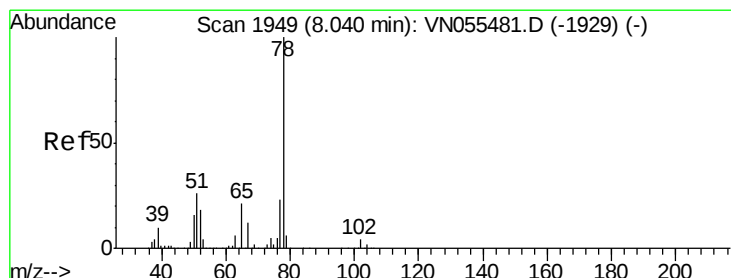
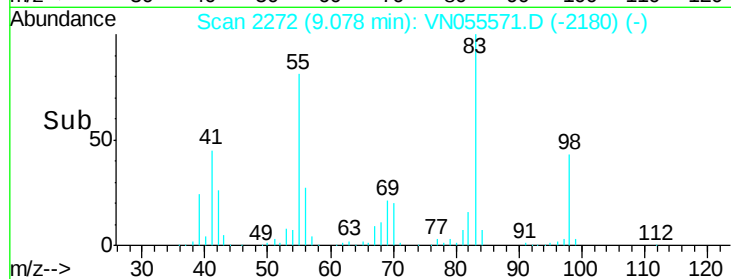
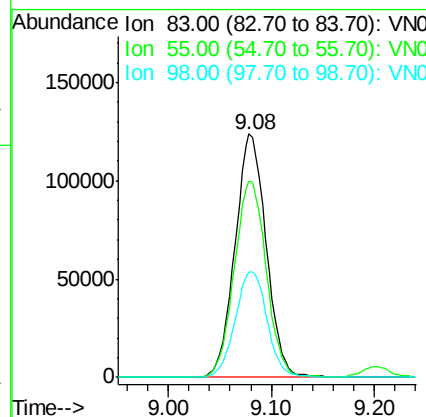
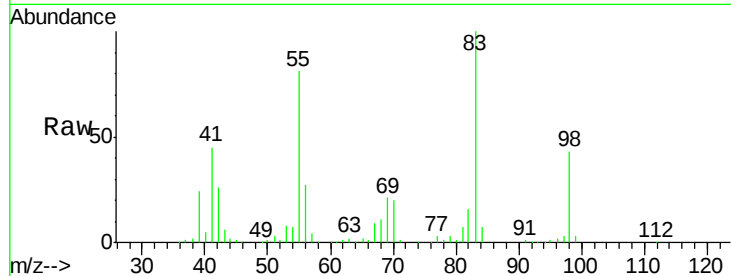
#39
Methvlcvclohexane
Concen: 18.662 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion	83	Resp	260778
Ion Ratio	Lower	Upper	
83	100		
55	80.7	67.0	100.4
98	43.2	34.2	51.4

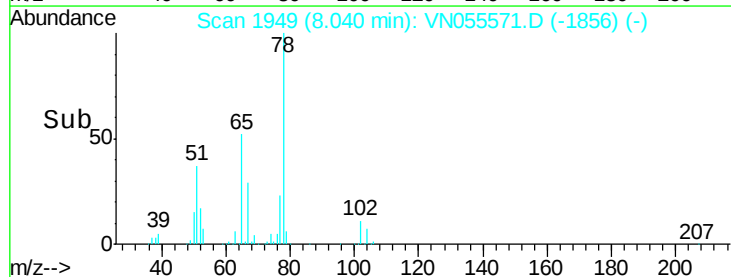
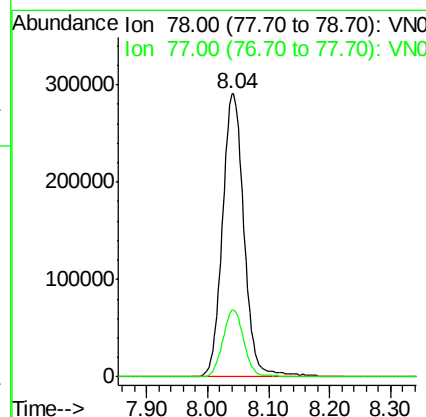
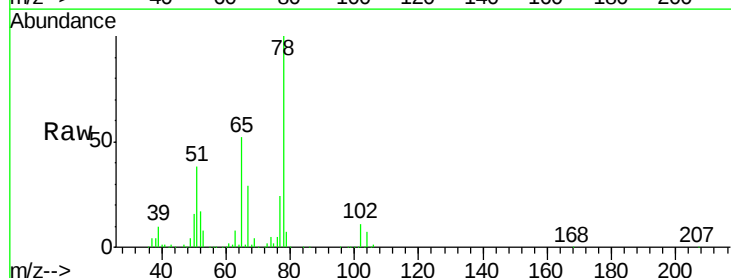
Manual Integrations
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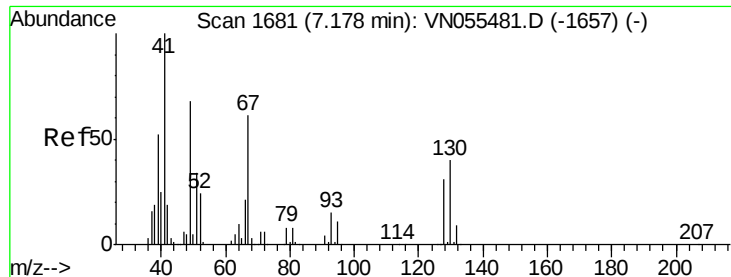
MMDadoda
5/14/2019 9:42:32 AM



#40
Benzene
Concen: 20.036 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion	78	Resp	712702
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.6	27.8





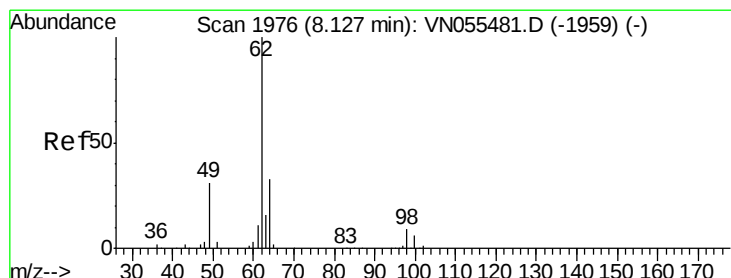
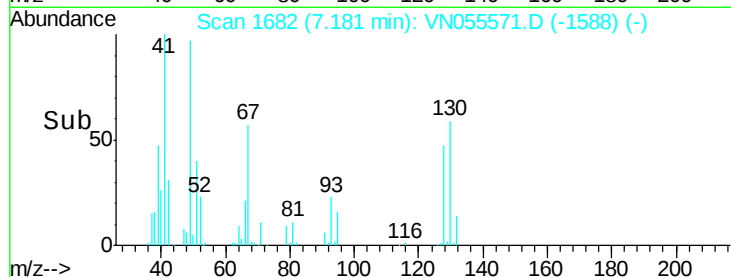
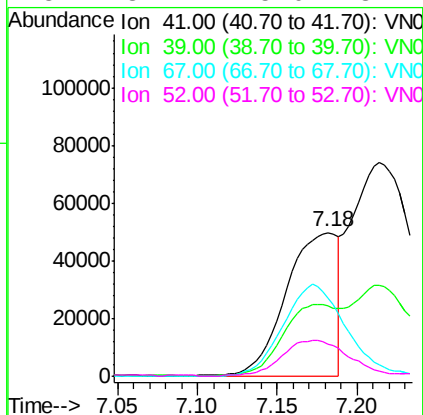
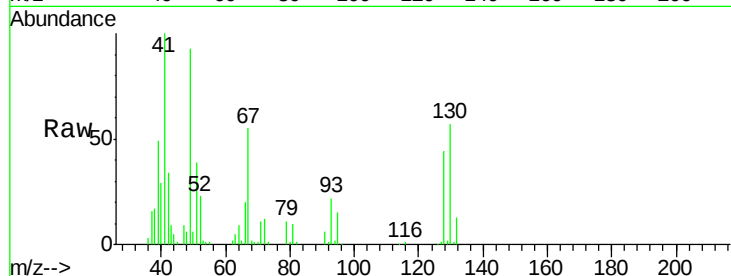
#41
Methacrylonitrile
Concen: 19.380 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion	41	Resp	112455
Ion	Ratio	Lower	Upper
41	100		
39	51.1	44.7	67.1
67	78.6	61.4	92.0
52	32.2	25.0	37.4

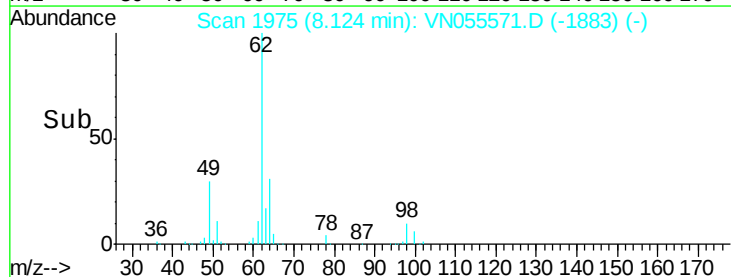
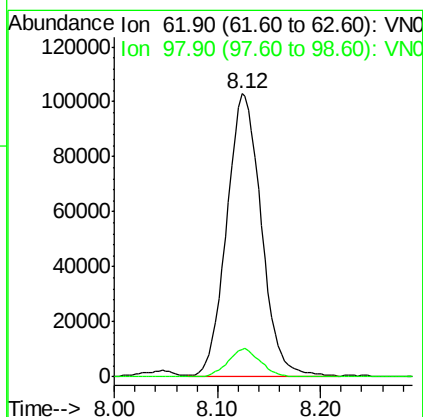
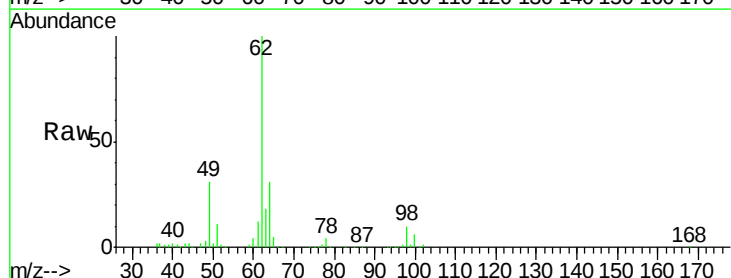
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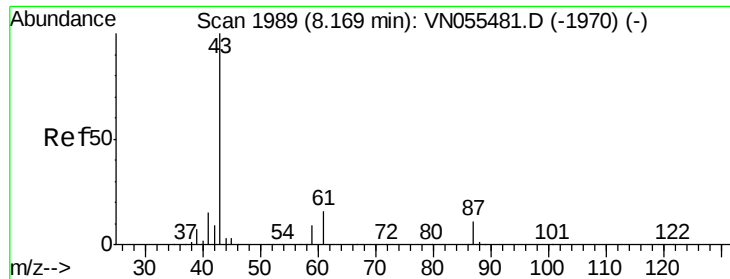
MMDadoda
5/14/2019 9:42:32 AM



#42
1,2-Dichloroethane
Concen: 19.159 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion	62	Resp	239431
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	17.4





#43

Isopropyl Acetate

Concen: 17.987 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

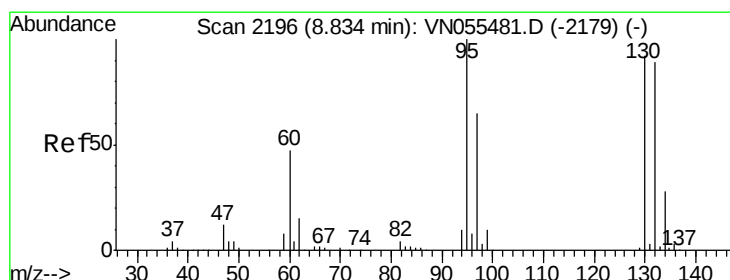
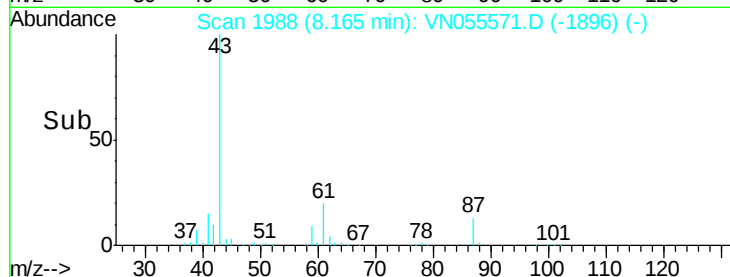
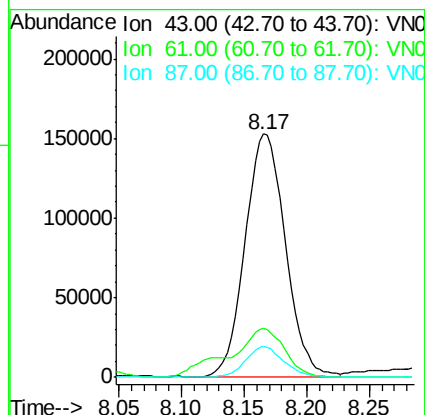
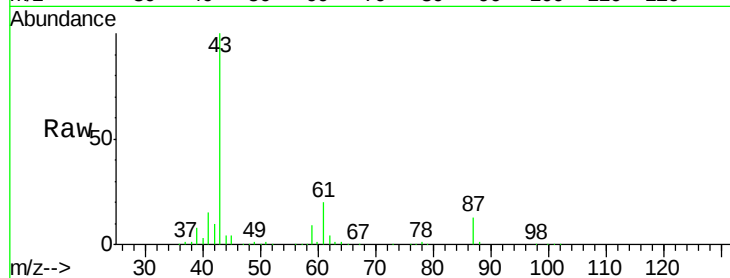
ClientSampleId :

VN0513MBS01

Tot Ion:	43	Resp:	341644
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.1	22.7
87	12.1	9.0	13.6

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#44

Trichloroethene

Concen: 20.100 ug/l

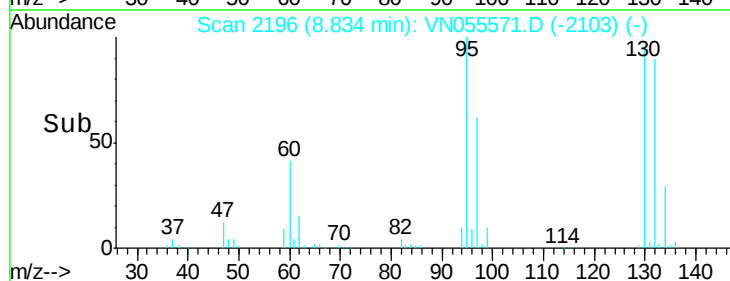
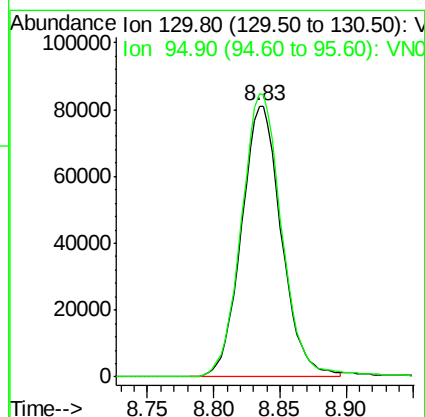
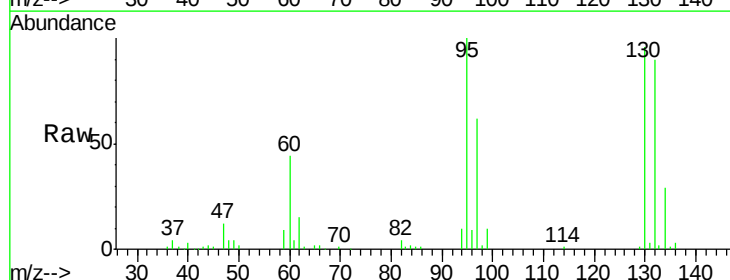
RT: 8.83 min Scan# 2196

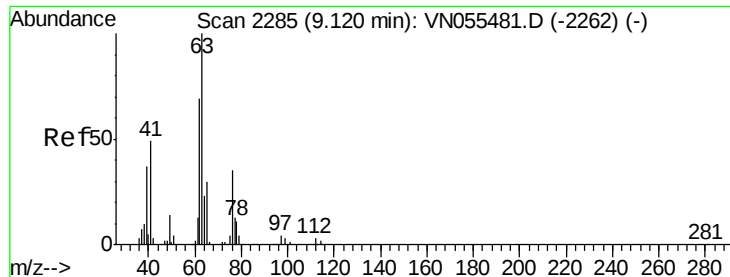
Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Tgt Ion:	130	Resp:	170117
Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	216.8





#45

1,2-Dichloropropane

Concen: 19.468 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

Tot Ion: 63 Resp: 198137

Ion Ratio Lower Upper

63 100

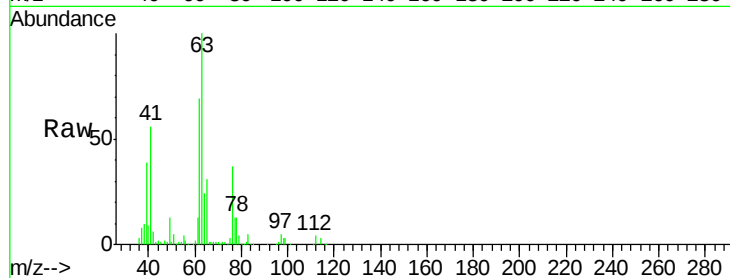
65 30.9 24.1 36.1

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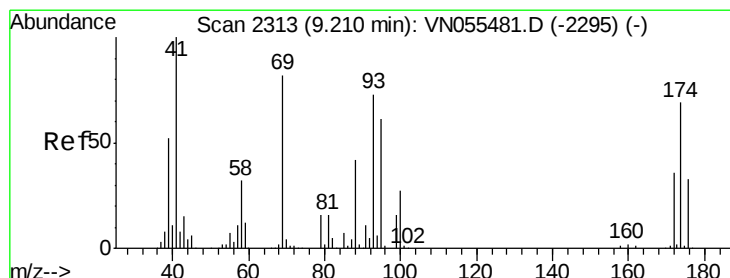
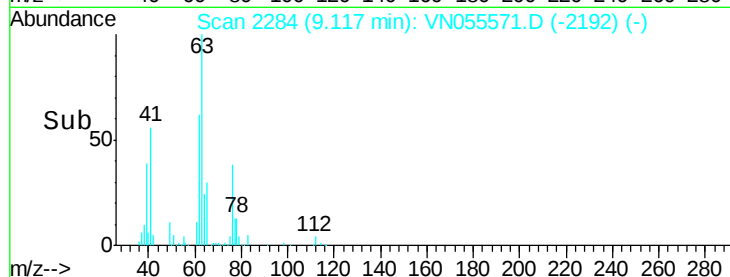
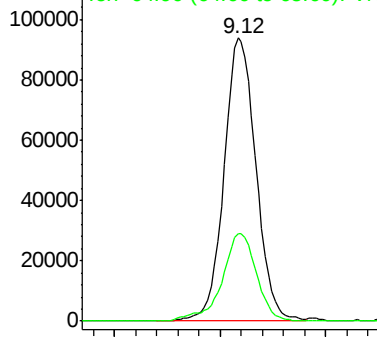
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.871 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

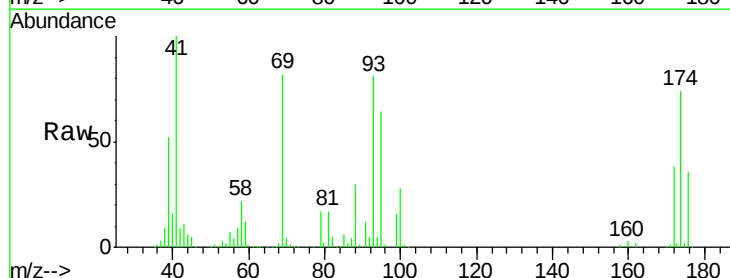
Tgt Ion: 93 Resp: 117225

Ion Ratio Lower Upper

93 100

95 80.2 64.8 97.2

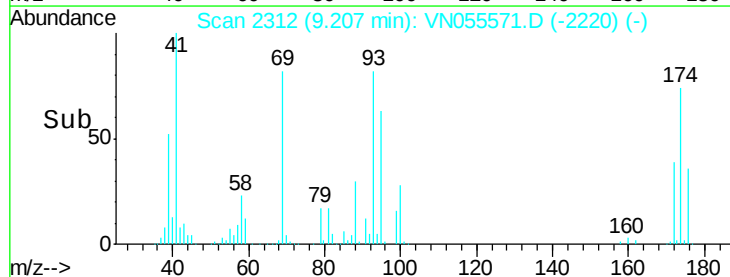
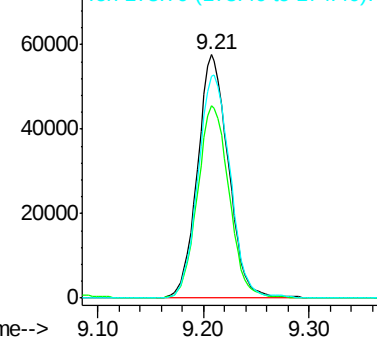
174 95.0 75.0 112.6

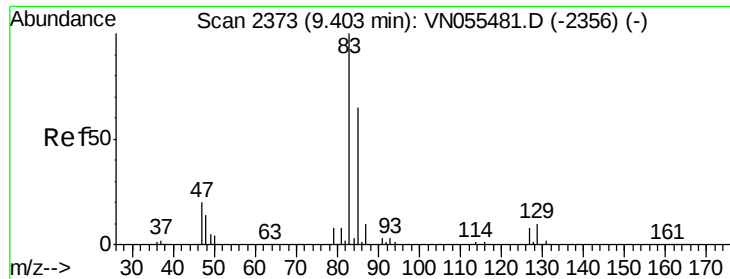


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.066 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

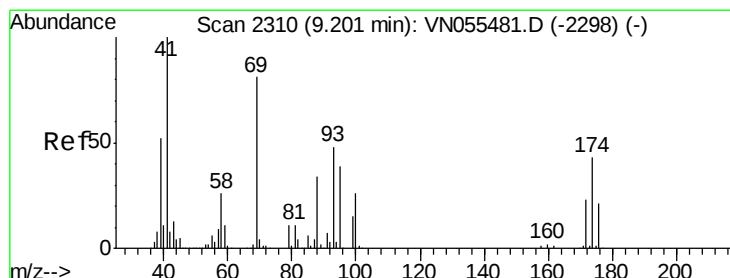
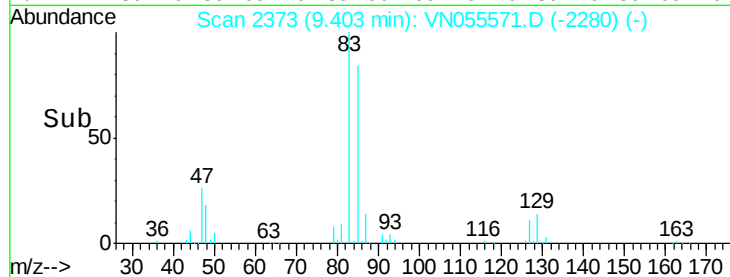
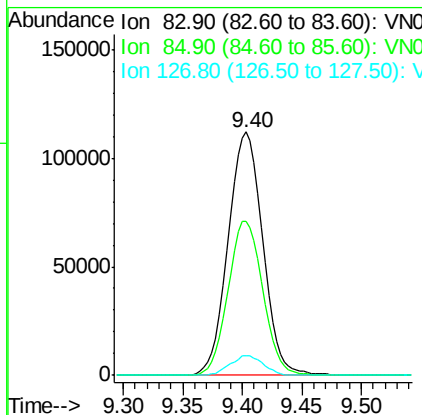
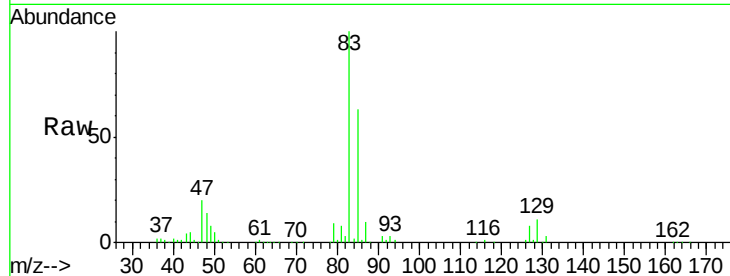
ClientSampleId :

VN0513MBS01

Tot Ion:	83	Resp:	226456
Ion Ratio	Lower	Upper	
83	100		
85	63.3	52.2	78.2
127	8.2	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.636 ug/l

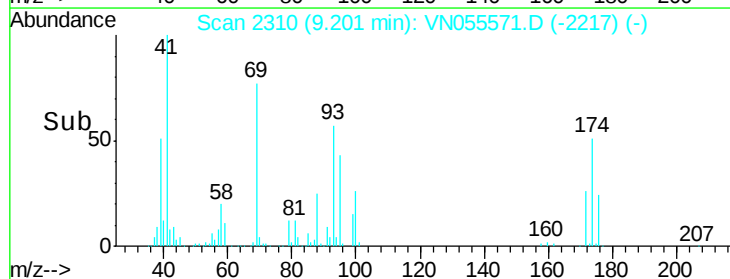
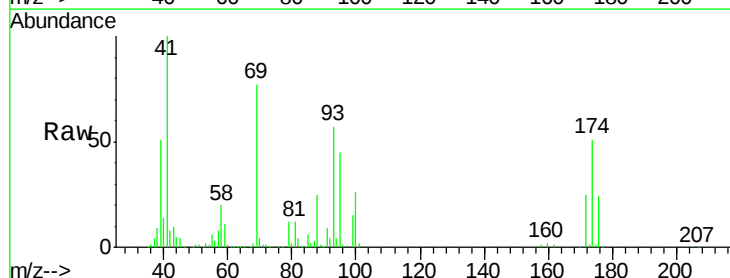
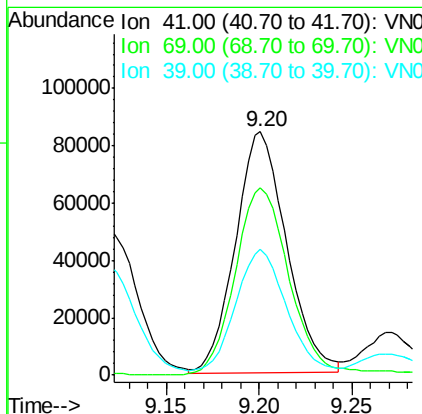
RT: 9.20 min Scan# 2310

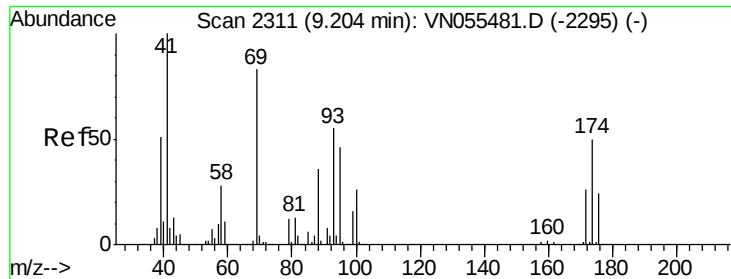
Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Tgt Ion:	41	Resp:	161394
Ion Ratio	Lower	Upper	
41	100		
69	83.6	64.2	96.2
39	52.1	41.6	62.4





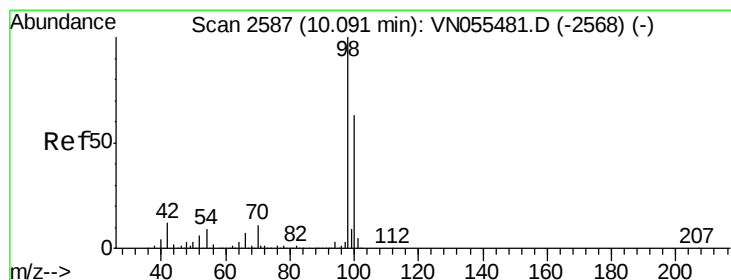
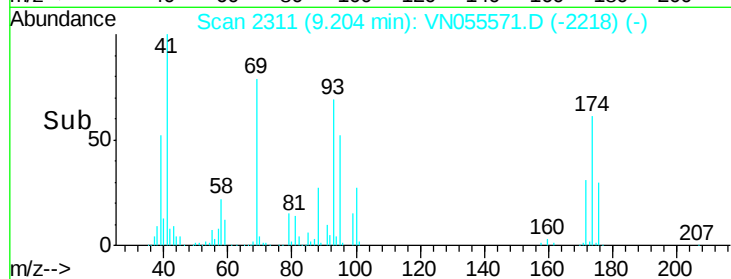
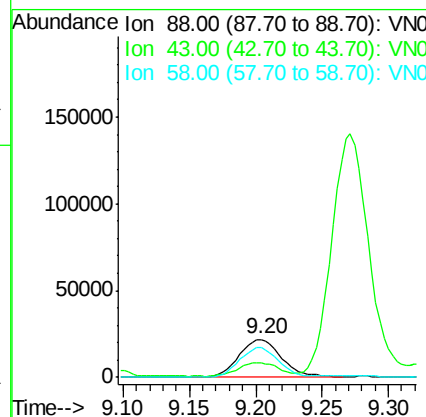
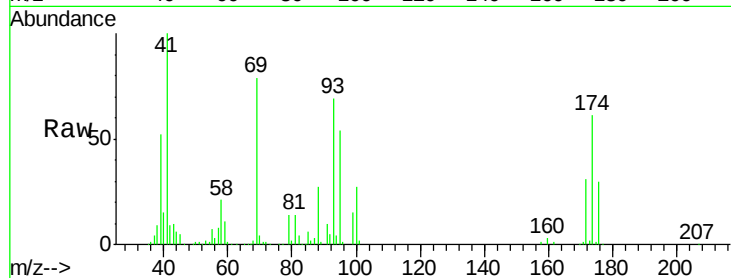
#49
1,4-Dioxane
Concen: 277.092 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion	88	Resp	49423
Ion	Ratio	Lower	Upper
88	100		
43	34.3	27.8	41.8
58	72.9	61.8	92.6

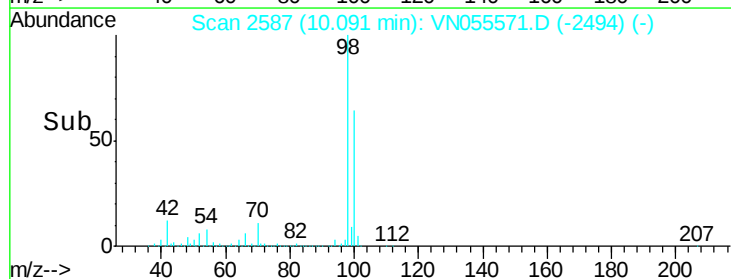
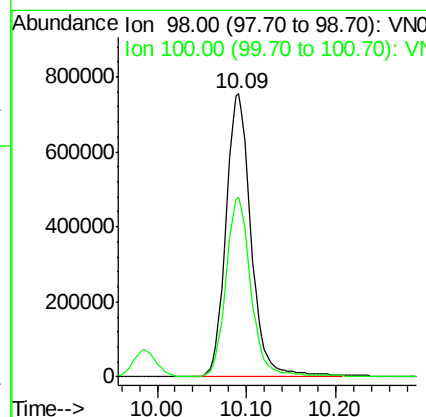
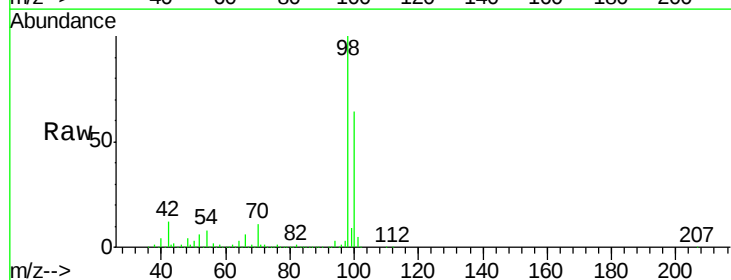
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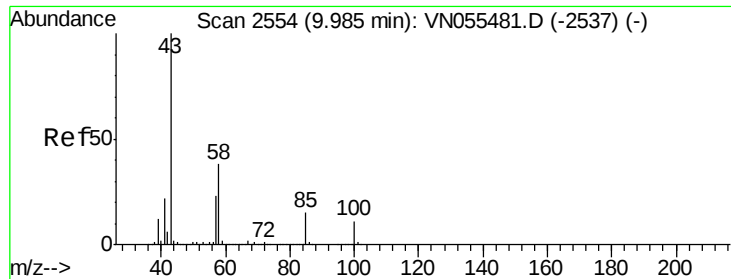
MMDadoda
5/14/2019 9:42:32 AM



#50
Toluene-d8
Concen: 50.373 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion	98	Resp	1473146
Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 84.800 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

Tot Ion: 43 Resp: 1059320

Ion Ratio Lower Upper

43 100

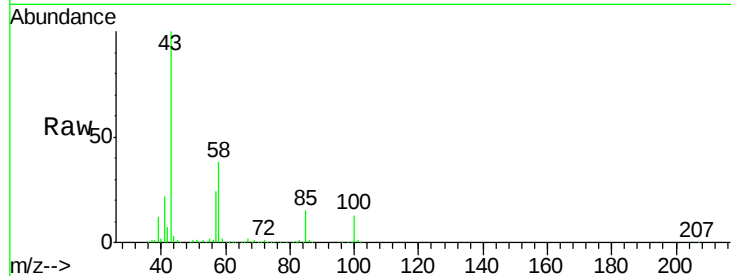
58 38.6 29.9 44.9

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

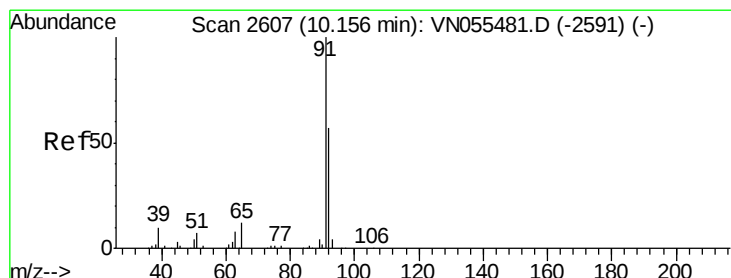
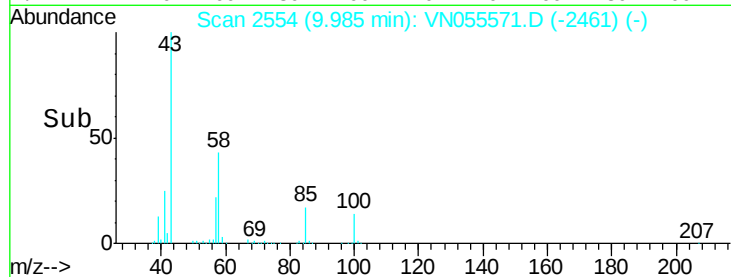
400000

200000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 20.201 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055571.D

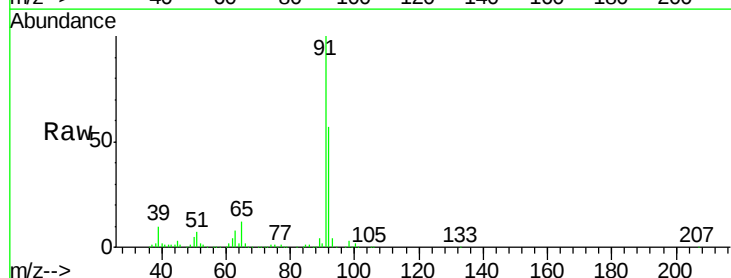
Acq: 13 May 2019 11:38

Tgt Ion: 92 Resp: 410794

Ion Ratio Lower Upper

92 100

91 175.0 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

300000

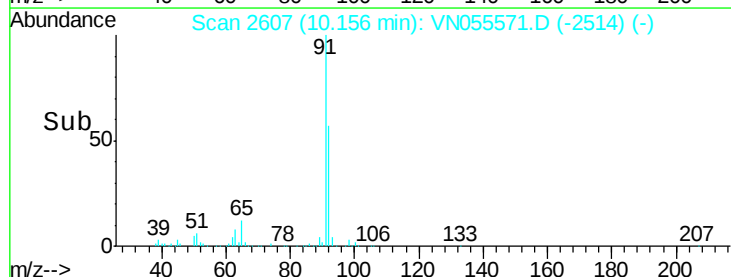
200000

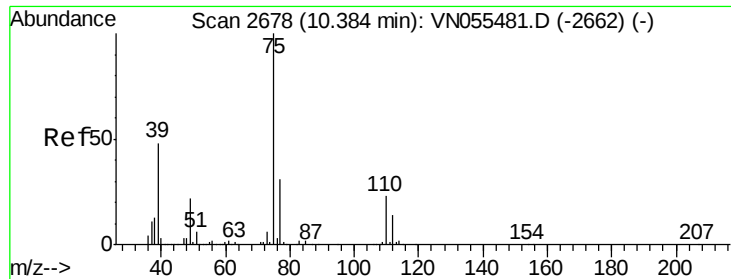
100000

0

10.10 10.20 10.30

Time-->





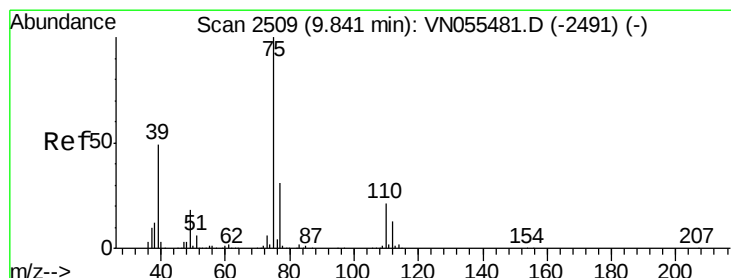
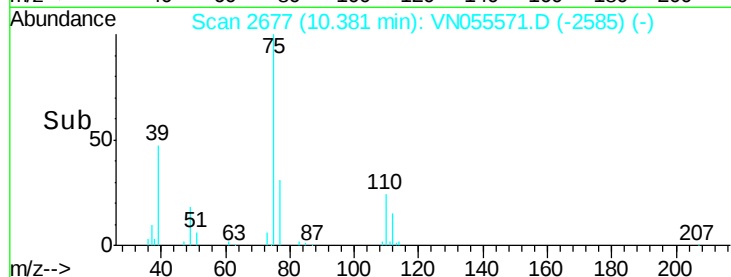
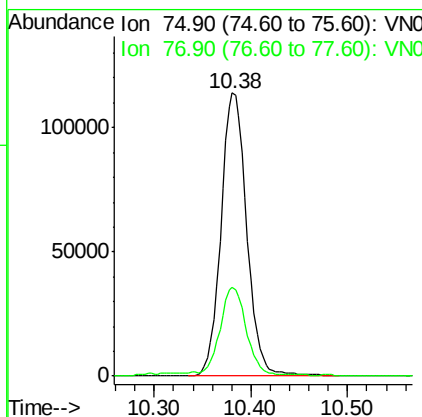
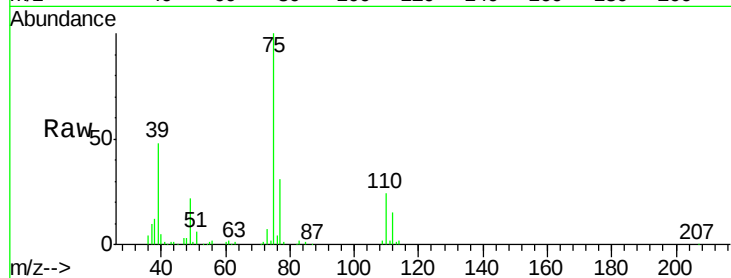
#53
t-1,3-Dichloropropene
Concen: 19.469 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion: 75 Resp: 211026
Ion Ratio Lower Upper
75 100
77 30.9 25.1 37.7

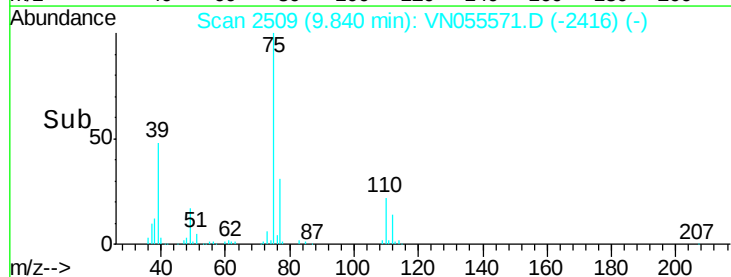
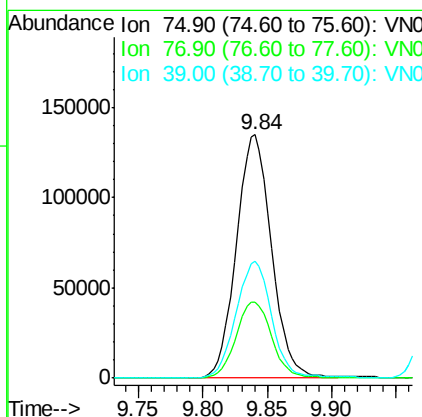
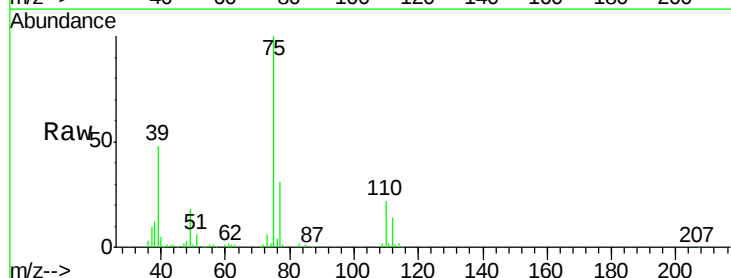
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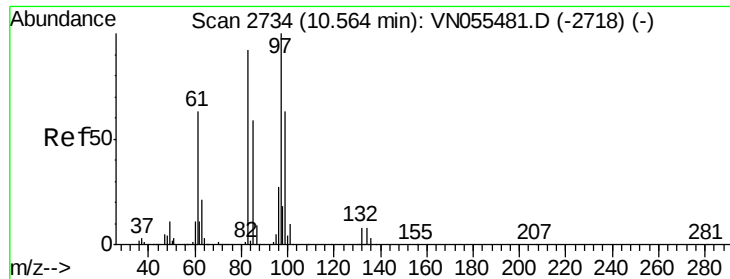
MMDadoda
5/14/2019 9:42:32 AM



#54
cis-1,3-Dichloropropene
Concen: 19.761 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion: 75 Resp: 255953
Ion Ratio Lower Upper
75 100
77 31.3 24.4 36.6
39 48.0 39.5 59.3





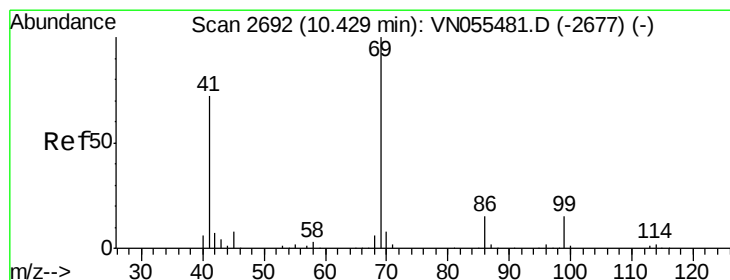
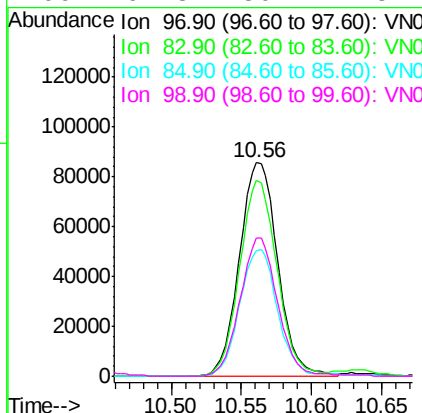
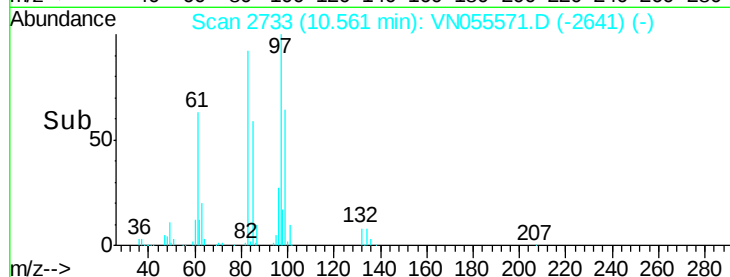
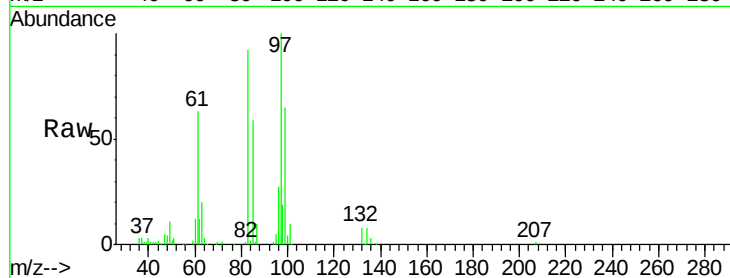
#55
 1,1,2-Trichloroethane
 Concen: 19.852 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBS01

Tot Ion:	97	Resp:	163568
Ion	Ratio	Lower	Upper
97	100		
83	91.9	73.2	109.8
85	58.8	47.5	71.3
99	64.3	50.2	75.2

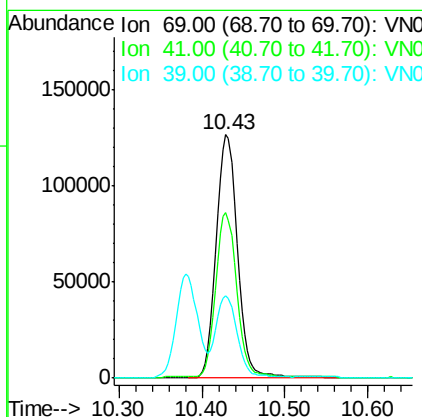
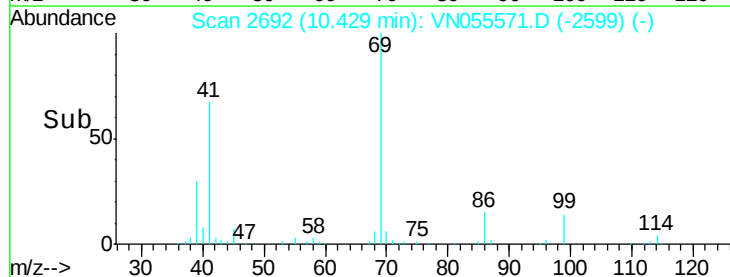
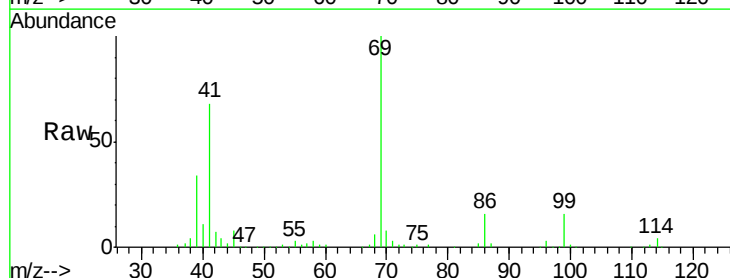
Manual Integrations
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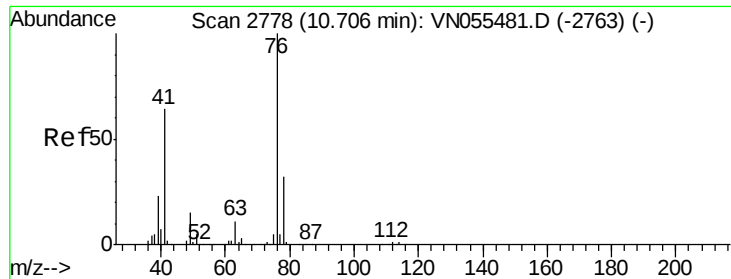
MMDadoda
 5/14/2019 9:42:32 AM



#56
 Ethyl methacrylate
 Concen: 18.515 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Tgt Ion:	69	Resp:	226911
Ion	Ratio	Lower	Upper
69	100		
41	65.6	56.2	84.2
39	32.9	27.8	41.6





#57

1,3-Dichloropropane

Concen: 19.271 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

Tot Ion: 76 Resp: 281881

Ion Ratio Lower Upper

76 100

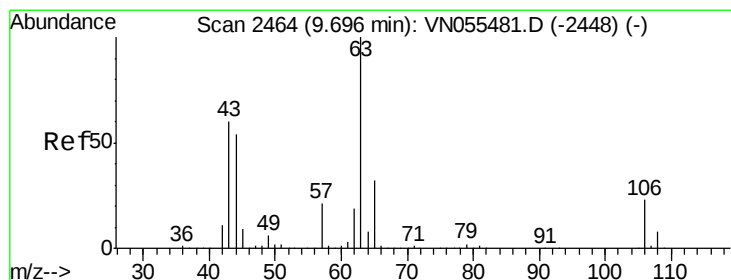
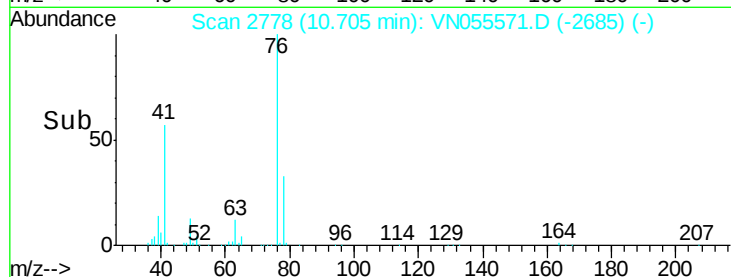
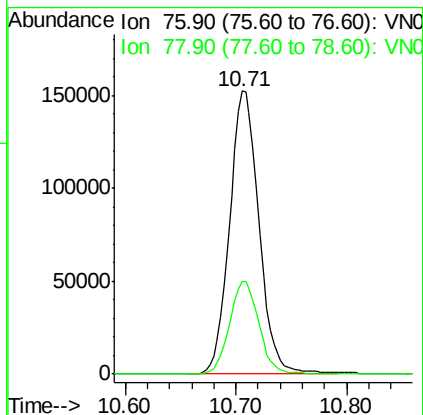
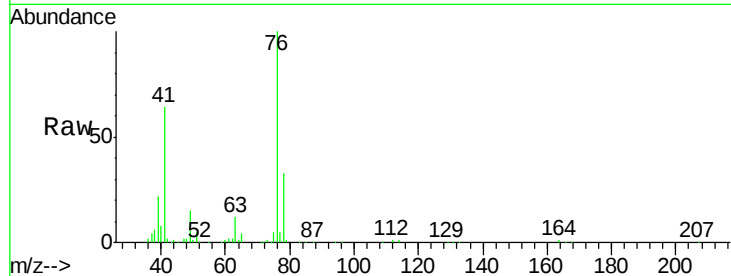
78 32.6 25.8 38.6

Manual Integrations

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MMDadoda

5/14/2019 9:42:32 AM



#58

2-Chloroethyl Vinyl ether

Concen: 69.151 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055571.D

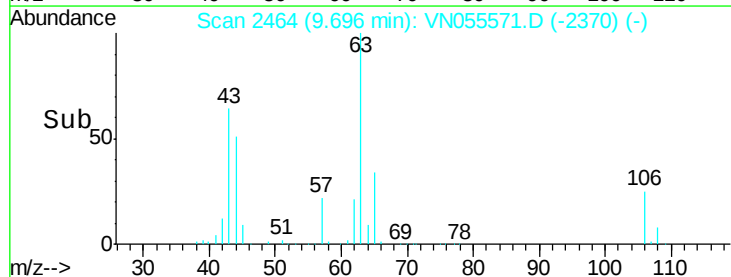
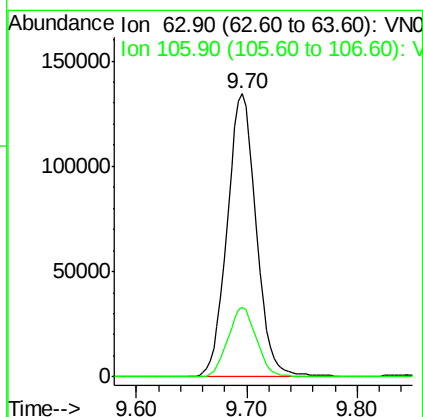
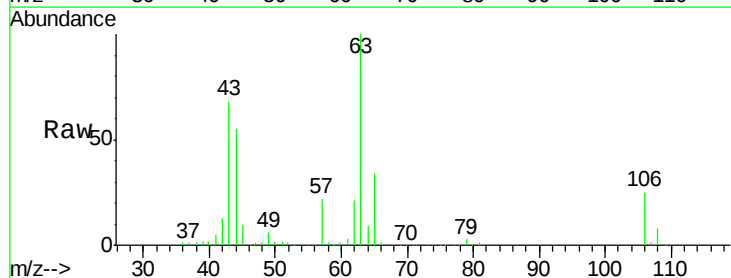
Acq: 13 May 2019 11:38

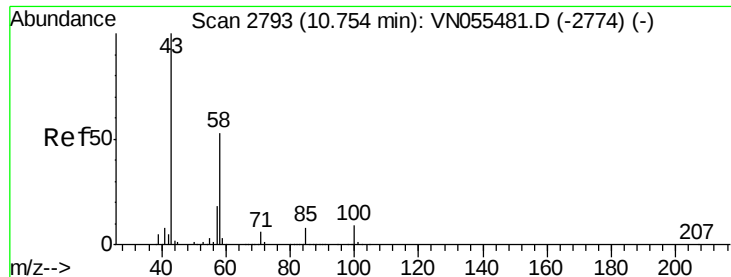
Tgt Ion: 63 Resp: 245978

Ion Ratio Lower Upper

63 100

106 24.1 18.6 27.8





#59

2-Hexanone

Concen: 81.388 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

Tot Ion: 43 Resp: 713010

Ion Ratio Lower Upper

43 100

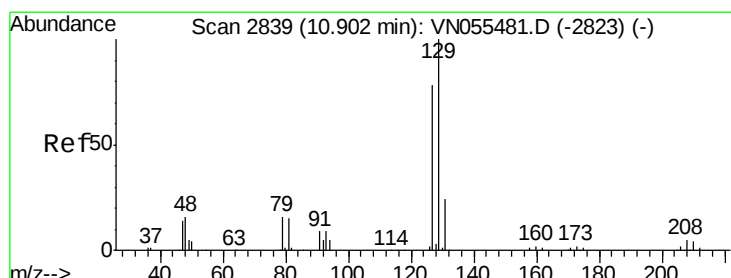
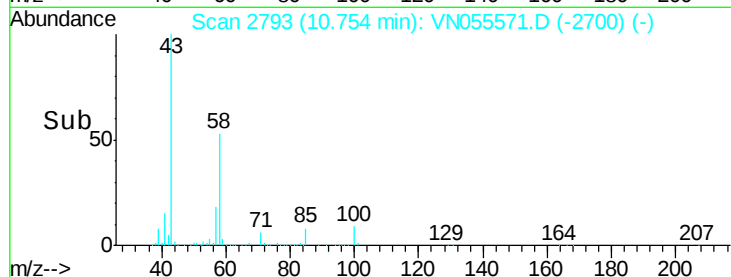
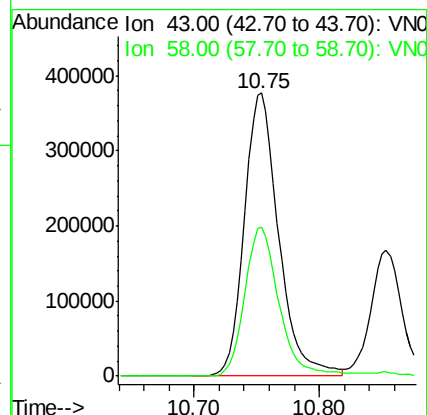
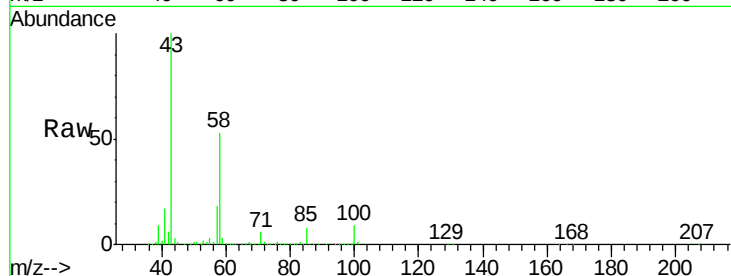
58 53.1 26.4 79.0

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#60

Dibromochloromethane

Concen: 20.690 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055571.D

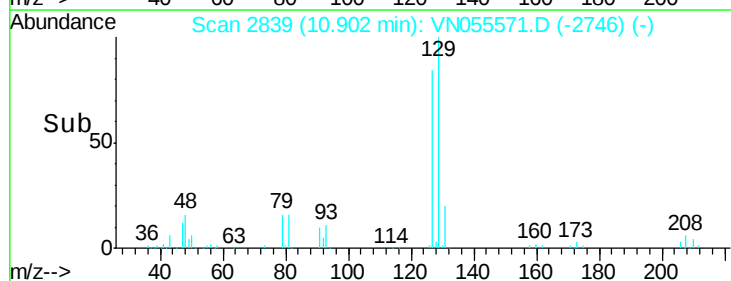
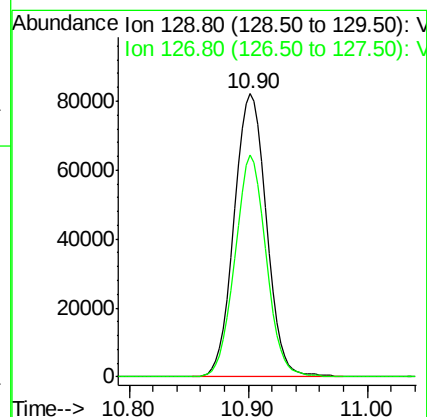
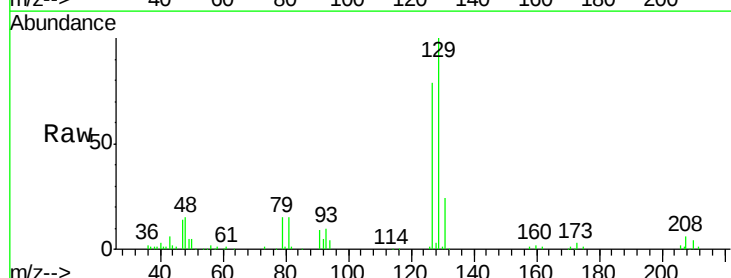
Acq: 13 May 2019 11:38

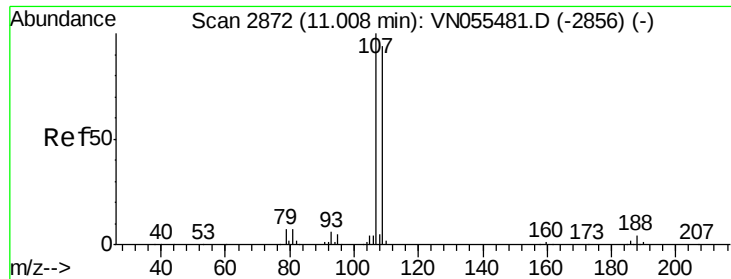
Tgt Ion: 129 Resp: 154995

Ion Ratio Lower Upper

129 100

127 75.8 38.6 116.0





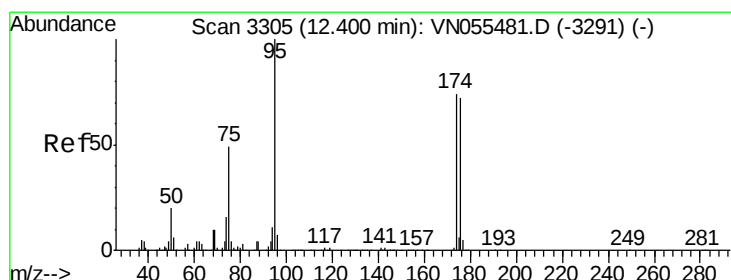
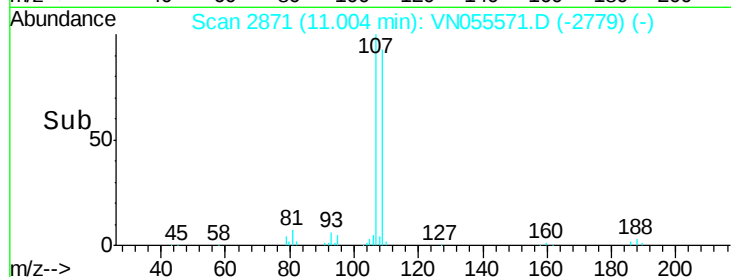
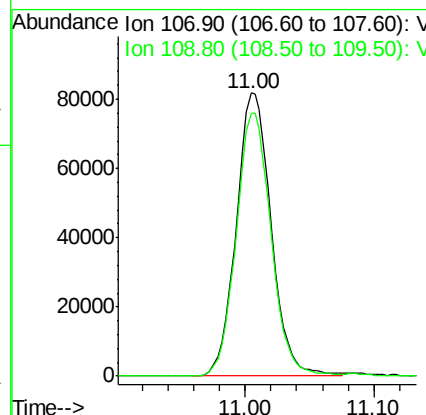
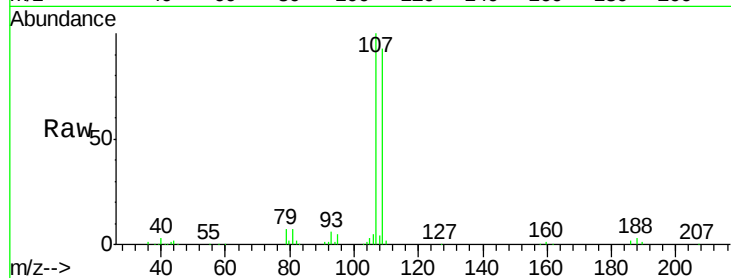
#61
 1,2-Dibromoethane
 Concen: 19.421 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.2	111.4

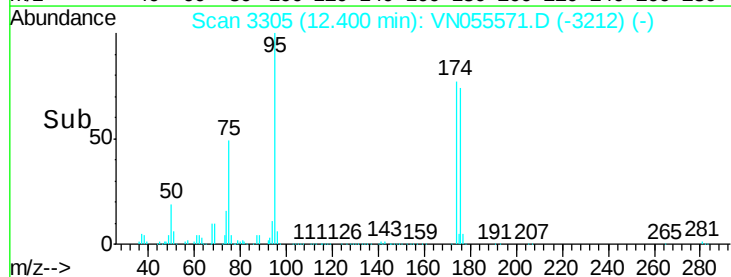
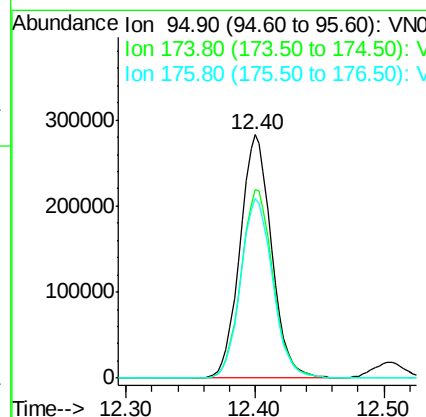
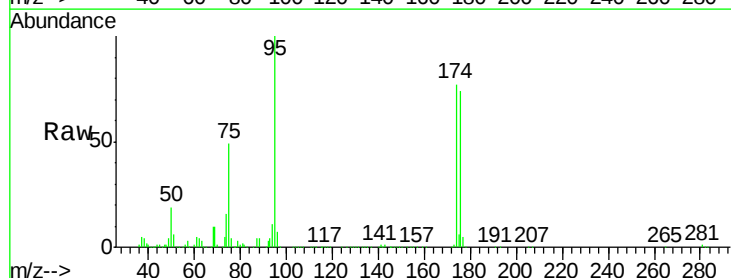
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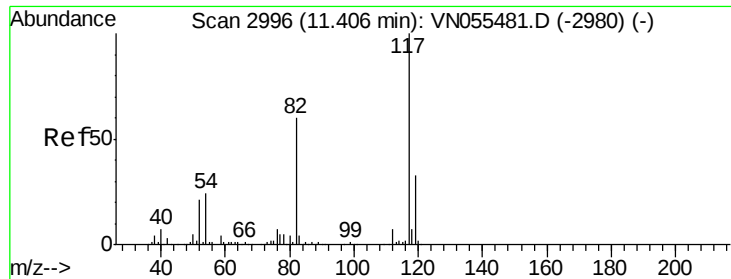
MMDadoda
 5/14/2019 9:42:32 AM



#62
 4-Bromofluorobenzene
 Concen: 48.710 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	152.2
176	75.2	0.0	147.8





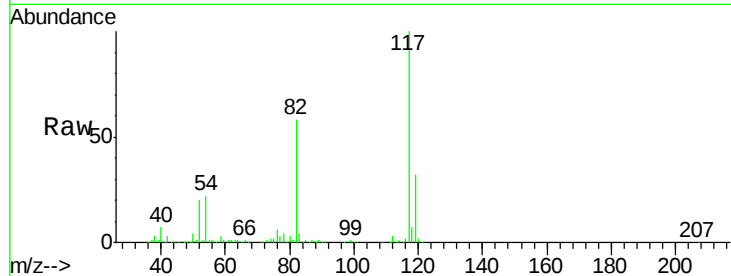
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	997166		
82	58.5		48.0	72.0
119	32.2		26.0	39.0

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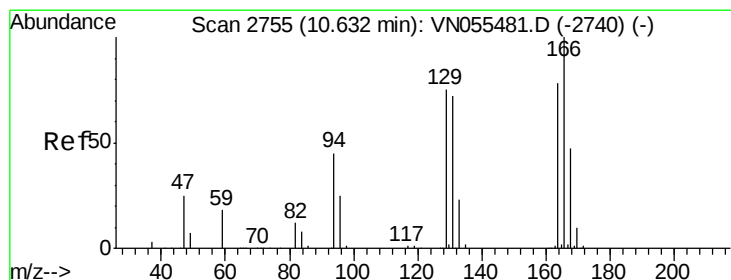
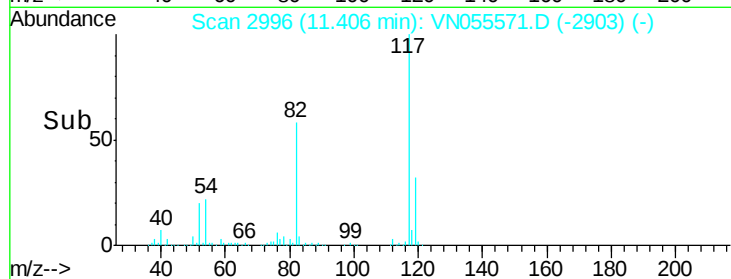
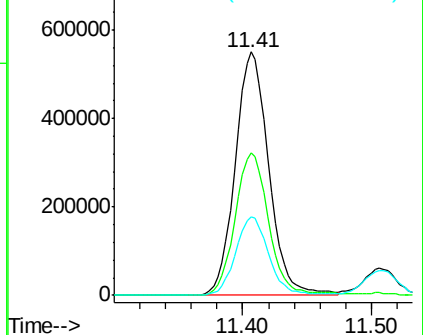


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.143 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	164581		
166	126.8		102.6	153.8
129	97.4		77.0	115.6
131	93.3		73.7	110.5

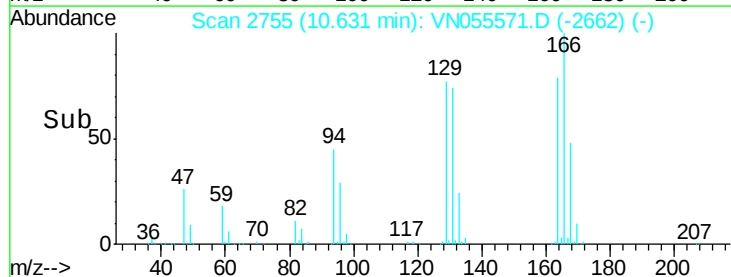
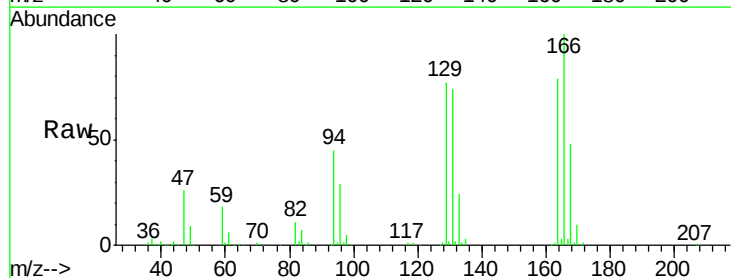
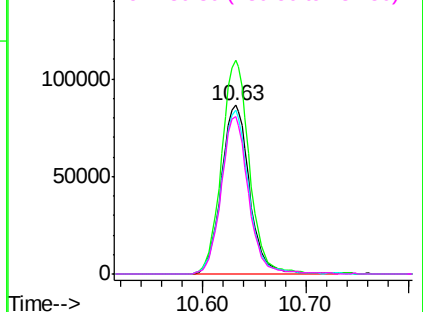
Abundance

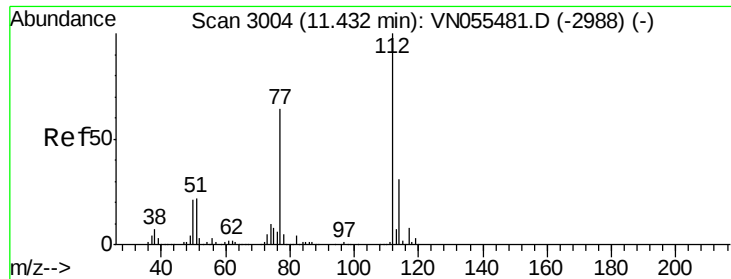
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





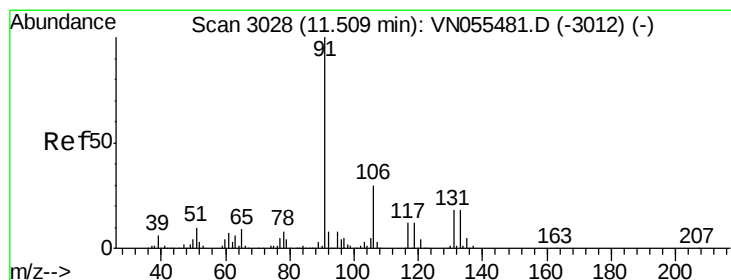
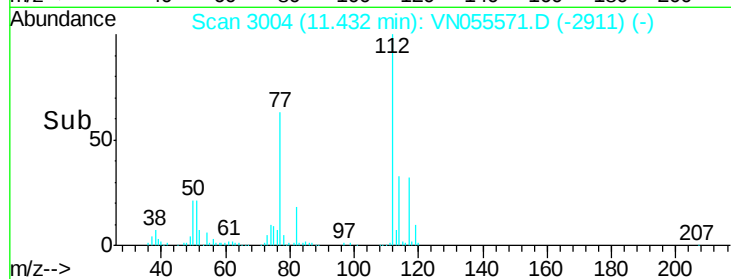
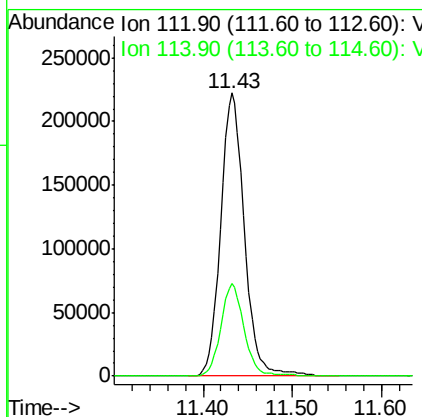
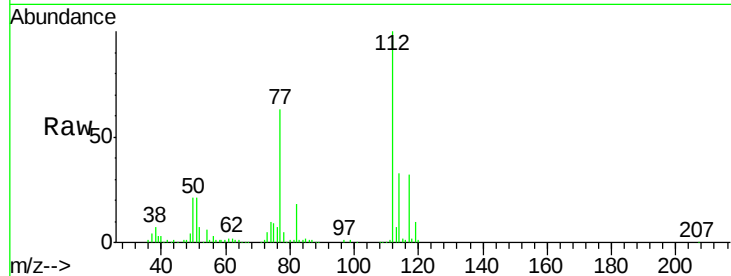
#65
Chlorobenzene
Concen: 19.912 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampled :
VN0513MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.0	37.4

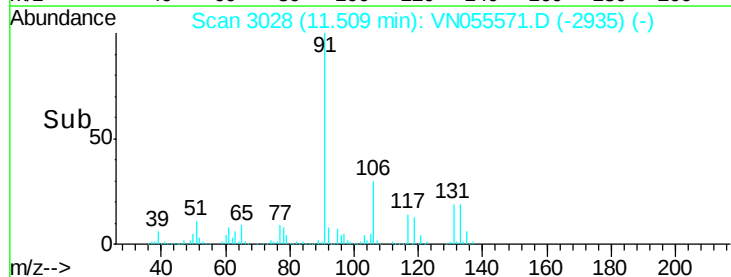
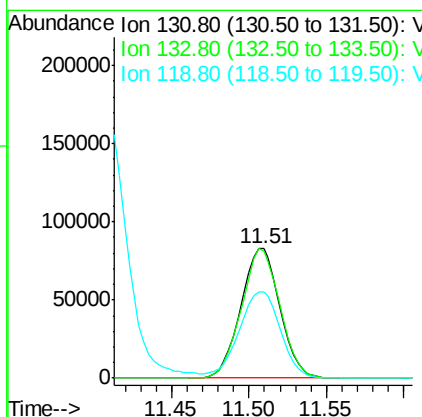
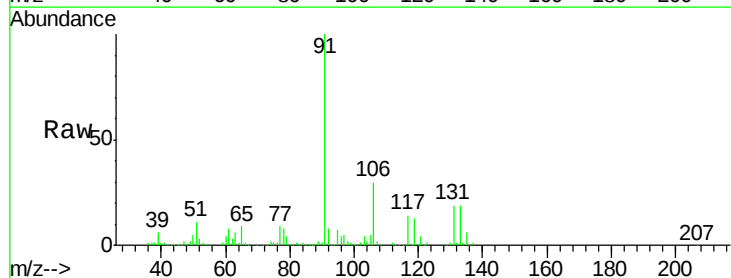
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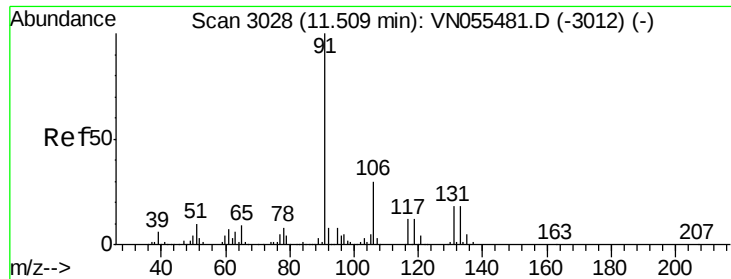
MMDadoda
5/14/2019 9:42:32 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.652 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.6	47.4	142.2
119	70.8	34.1	102.2





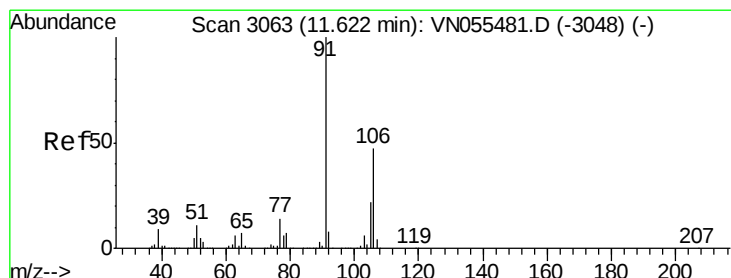
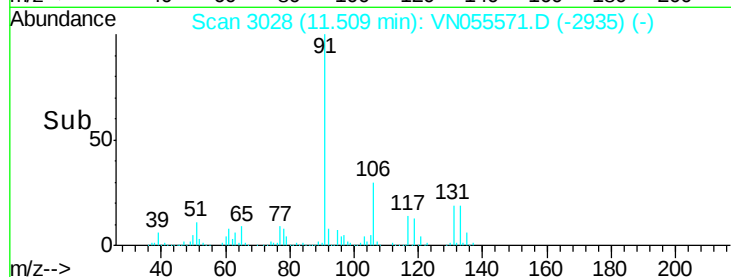
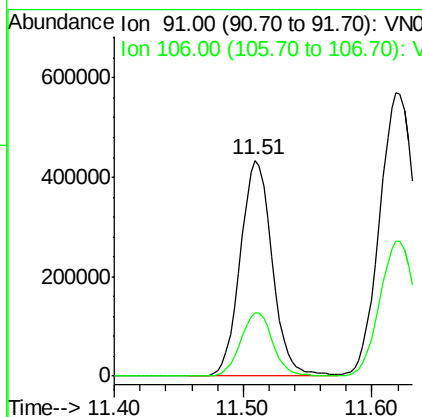
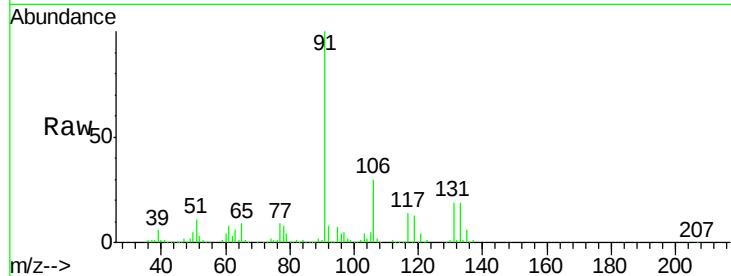
#67
Ethyl Benzene
Concen: 19.449 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion: 91 Resp: 749376
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.6

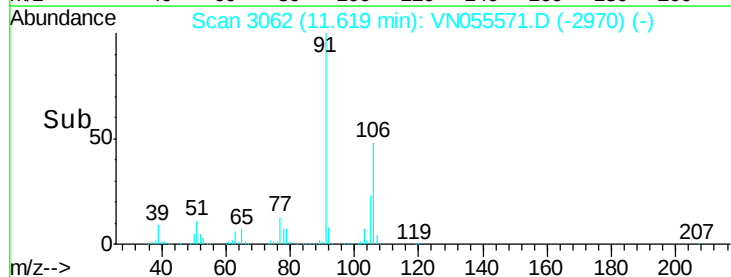
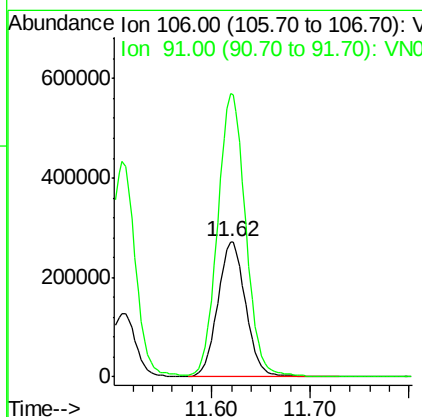
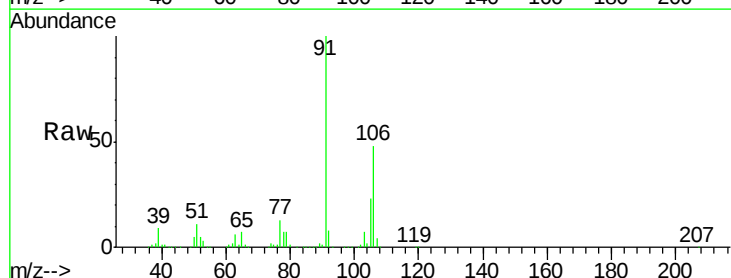
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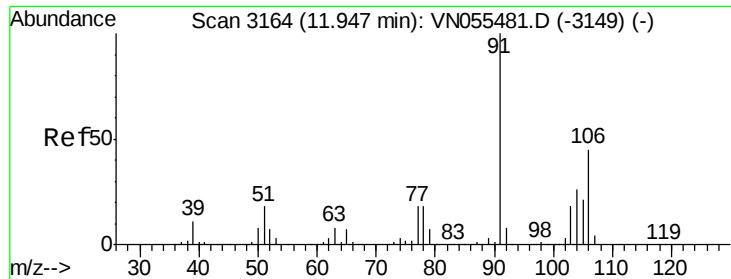
MMDadoda
5/14/2019 9:42:32 AM



#68
m/p-Xylenes
Concen: 39.167 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion: 106 Resp: 541580
Ion Ratio Lower Upper
106 100
91 209.6 169.2 253.8





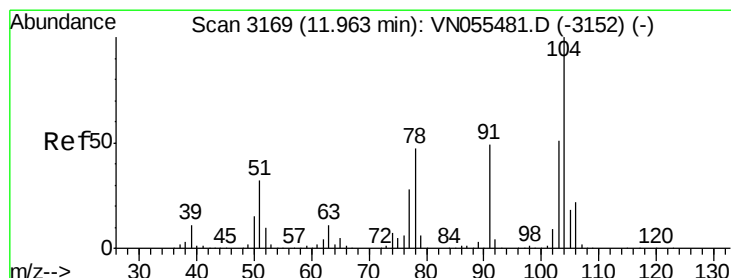
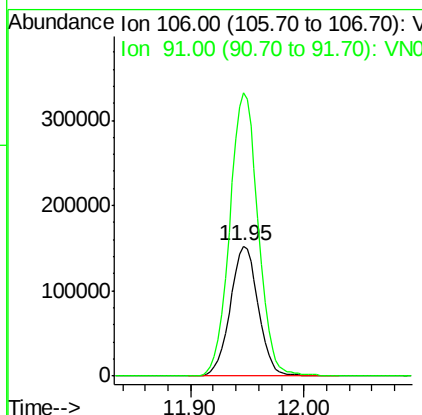
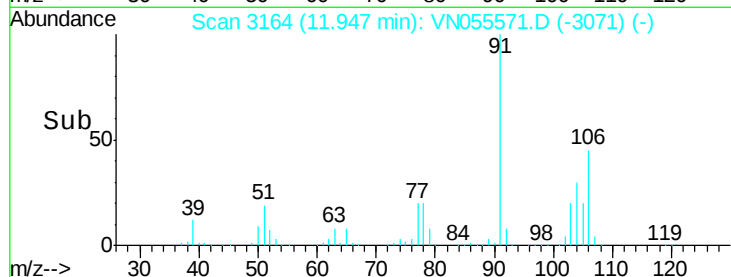
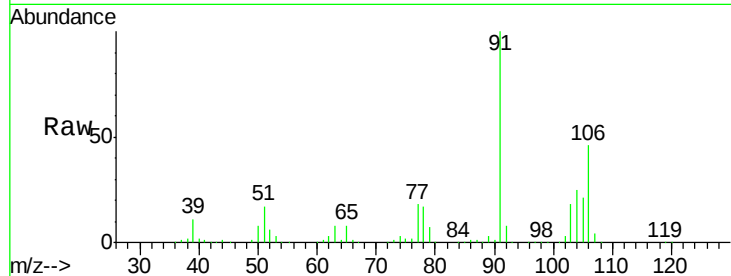
#69
o-Xylene
Concen: 19.357 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion:106 Resp: 263072
Ion Ratio Lower Upper
106 100
91 220.7 111.3 333.8

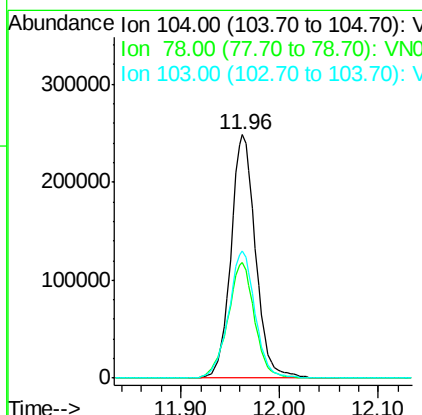
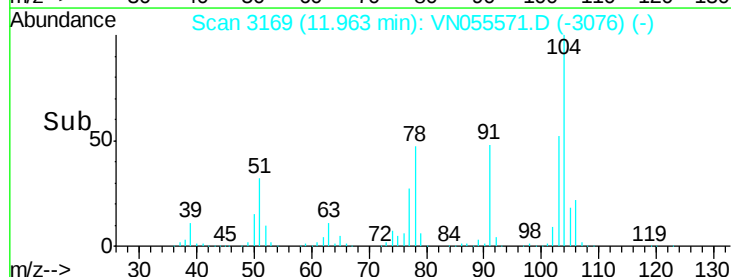
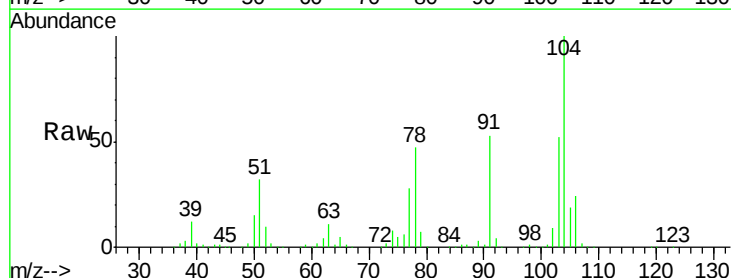
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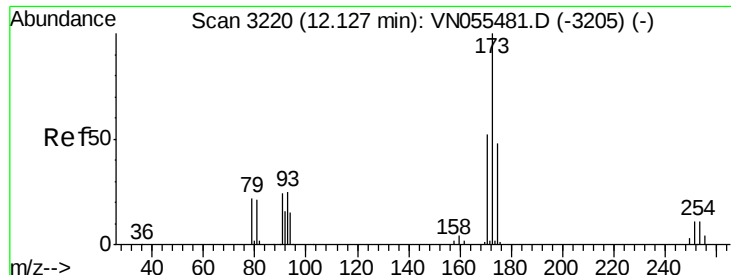
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#70
Styrene
Concen: 19.870 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion:104 Resp: 432648
Ion Ratio Lower Upper
104 100
78 51.6 41.6 62.4
103 56.0 44.4 66.6





#71

Bromoform

Concen: 19.676 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

Tot Ion:173 Resp: 93774

Ion Ratio Lower Upper

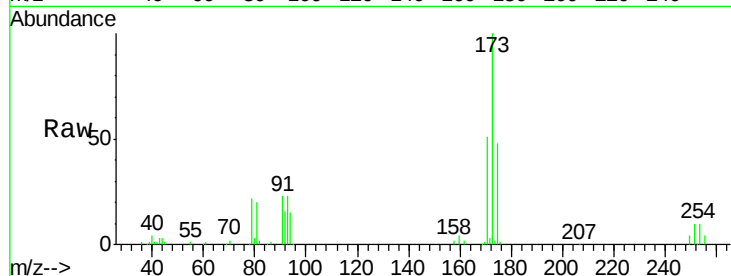
173 100

175 48.9 24.1 72.4

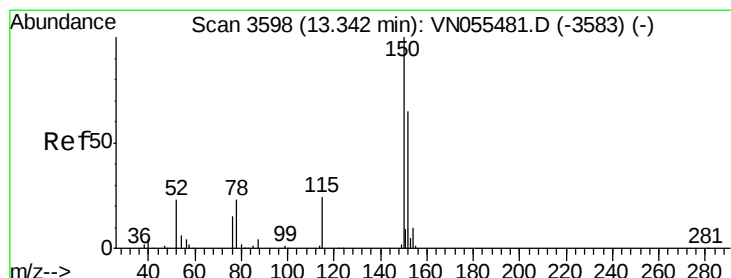
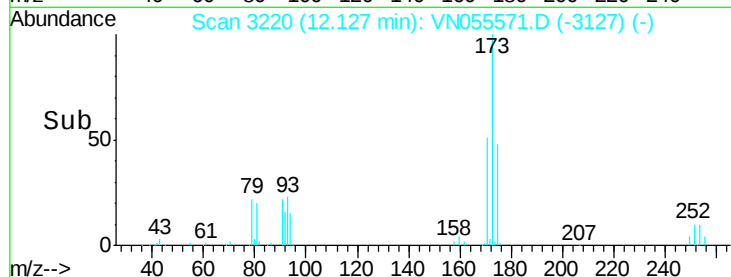
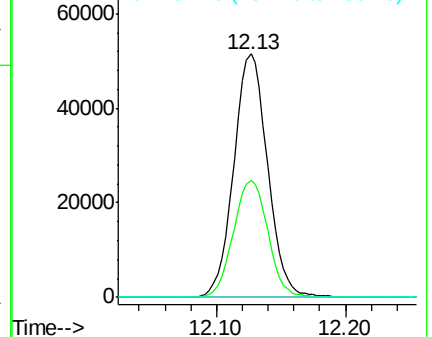
254 0.0 0.1 0.1#

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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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

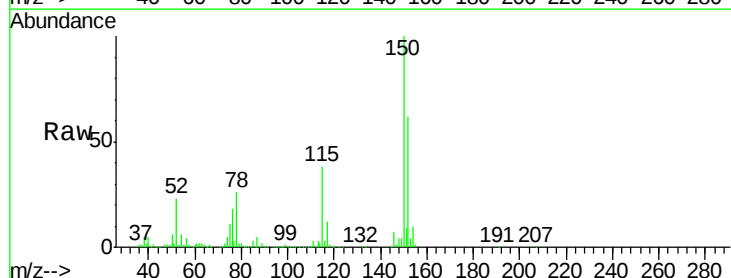
Tgt Ion:152 Resp: 386795

Ion Ratio Lower Upper

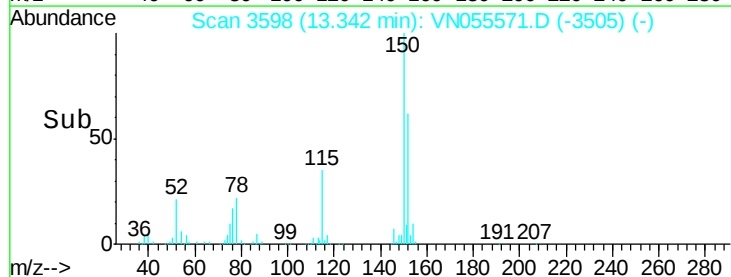
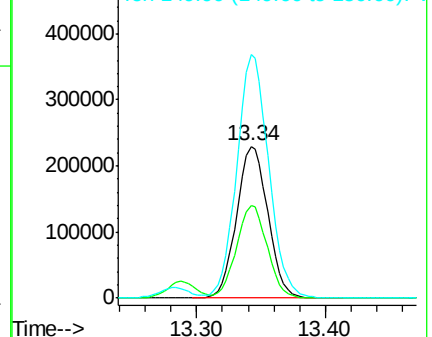
152 100

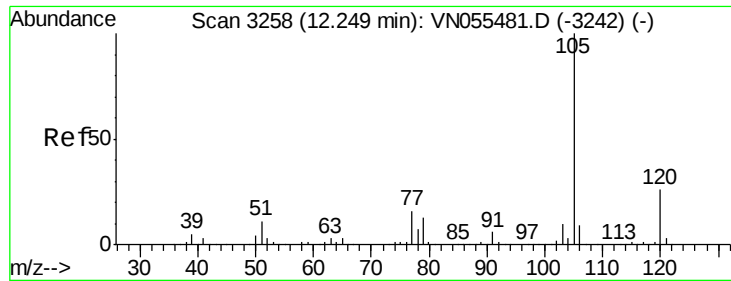
115 59.9 30.1 90.5

150 164.1 0.0 355.0



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





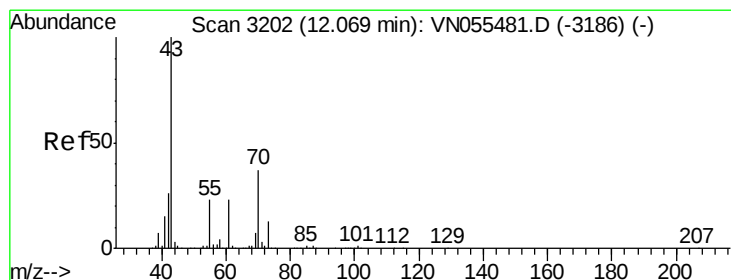
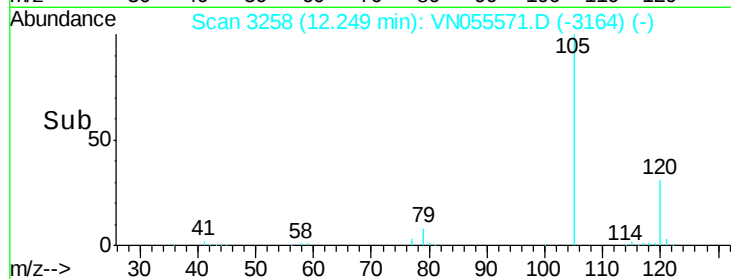
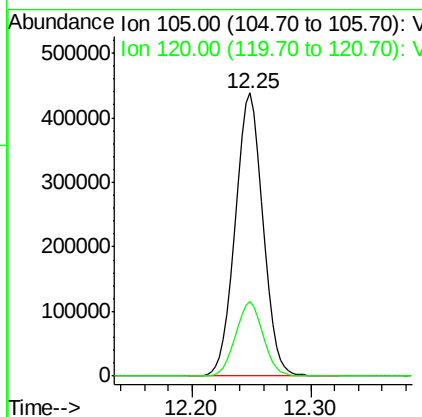
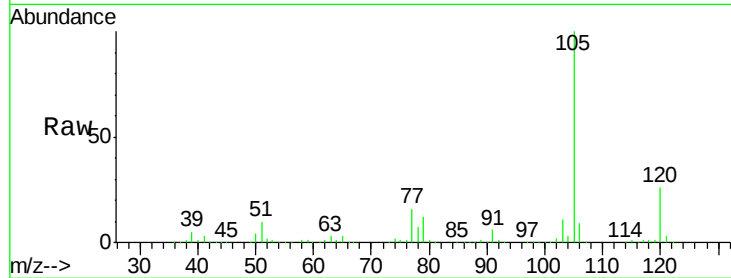
#73
Isopropylbenzene
Concen: 20.684 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	39.0

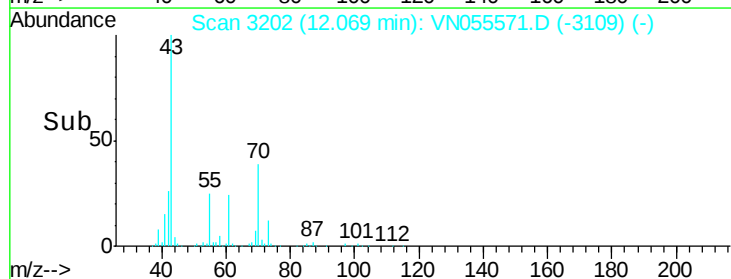
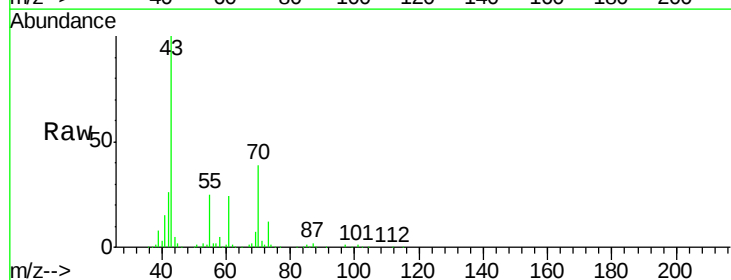
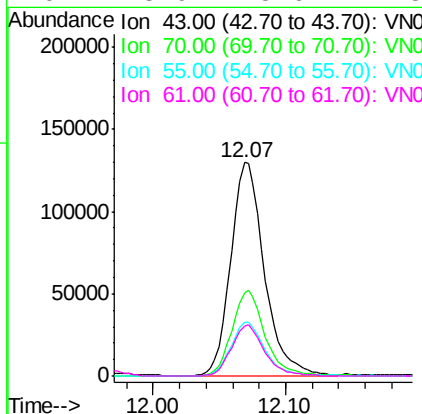
Manual Integrations
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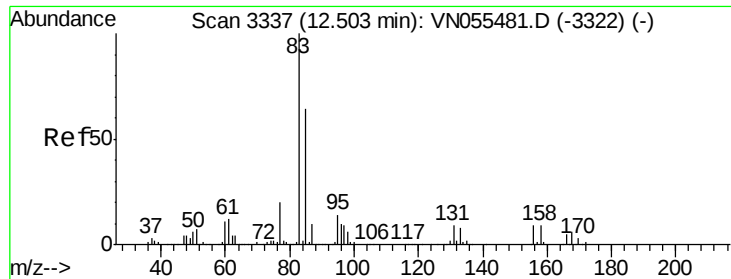
MMDadoda
5/14/2019 9:42:32 AM



#74
N-ethyl acetate
Concen: 15.473 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.7	30.7	46.1
55	25.4	19.3	28.9
61	23.9	18.6	27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.102 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

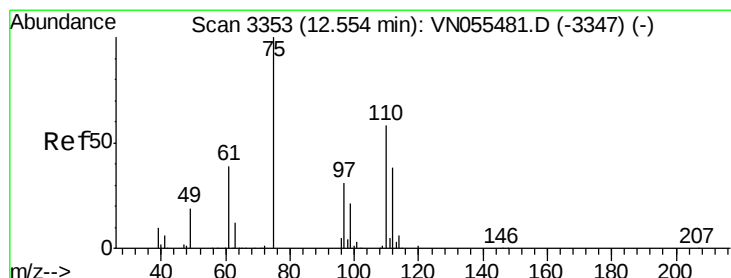
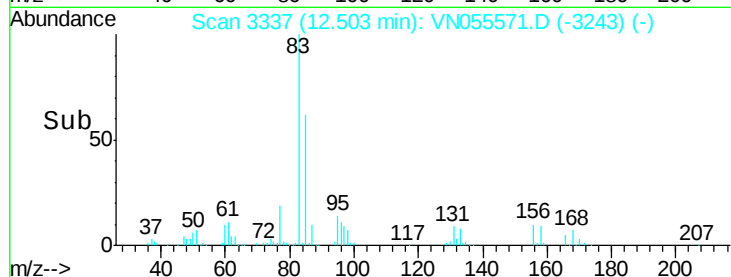
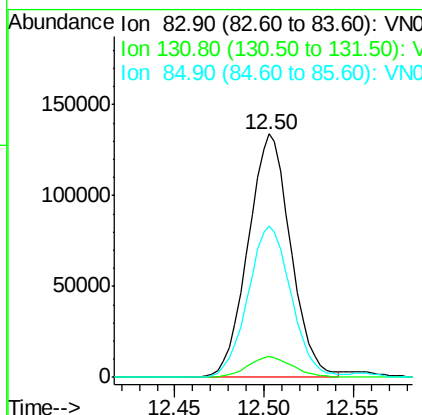
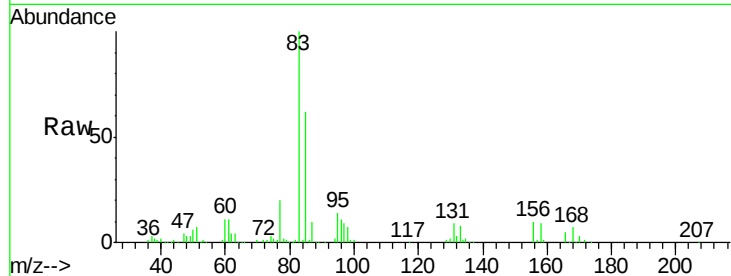
ClientSampleId :

VN0513MBS01

Tot Ion:	83	Resp:	223621
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.5
85	63.3	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 17.251 ug/l m

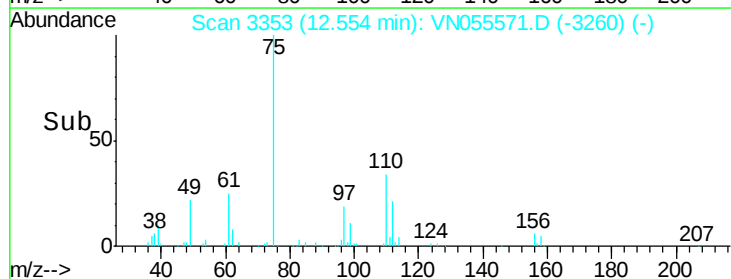
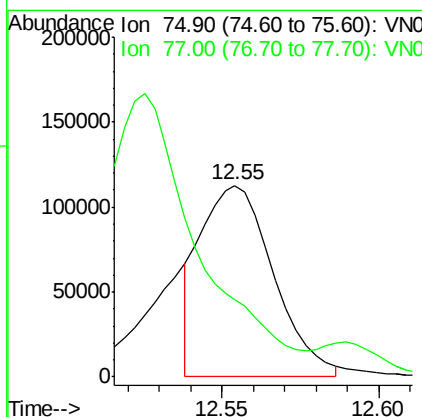
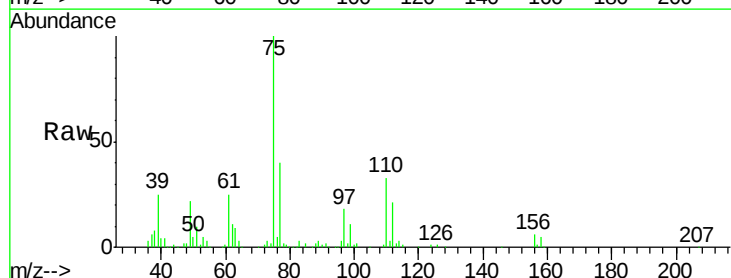
RT: 12.55 min Scan# 3353

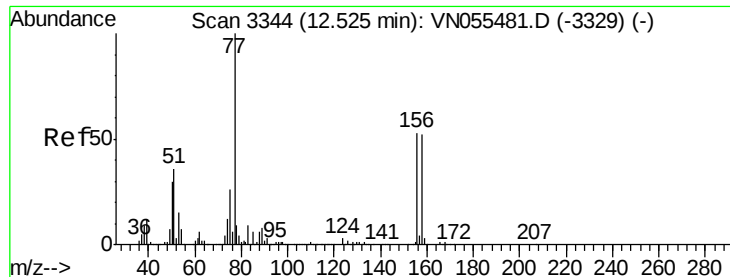
Delta R.T. 0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Tgt Ion:	75	Resp:	181649
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.955 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

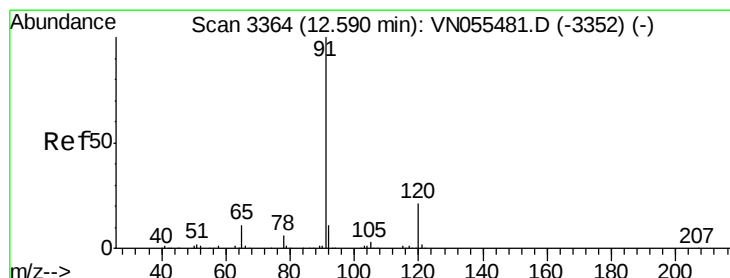
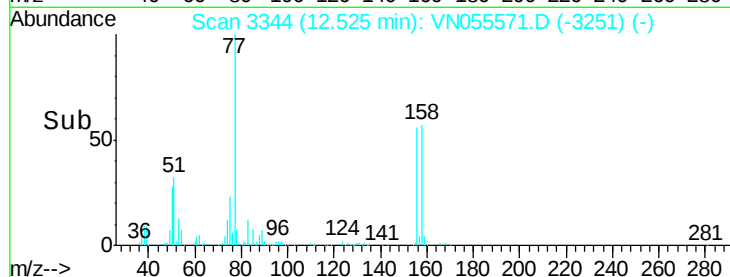
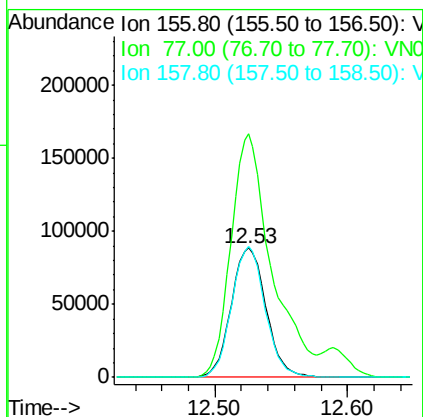
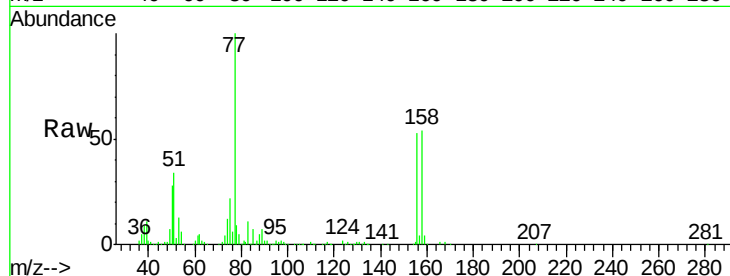
ClientSampleId :

VN0513MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	219.6	115.4	346.2
158	97.8	48.7	146.1

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#78

n-propylbenzene

Concen: 18.870 ug/l

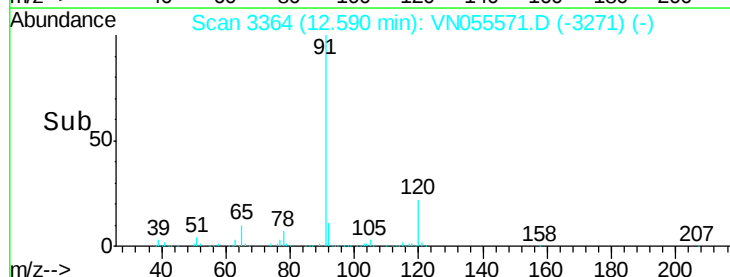
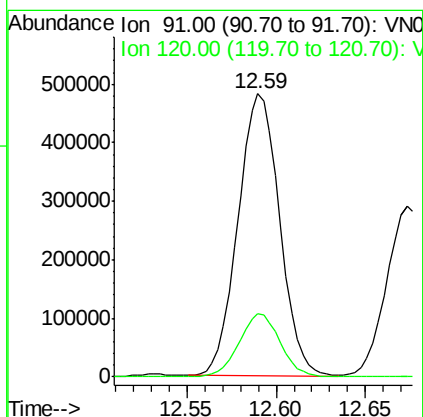
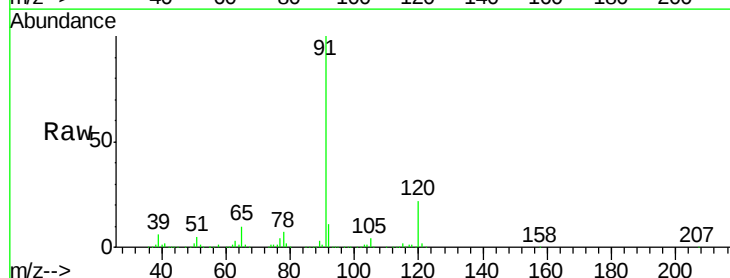
RT: 12.59 min Scan# 3364

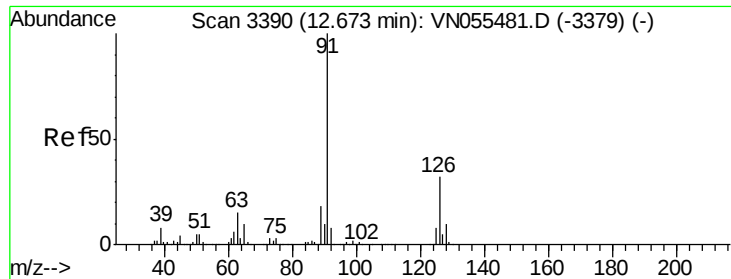
Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.3





#79

2-Chlorotoluene

Concen: 18.749 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

Tot Ion: 91 Resp: 484743

Ion Ratio Lower Upper

91 100

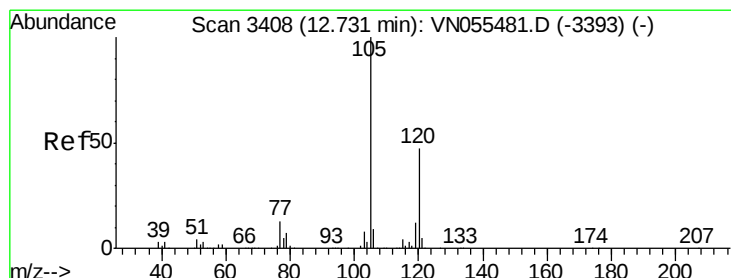
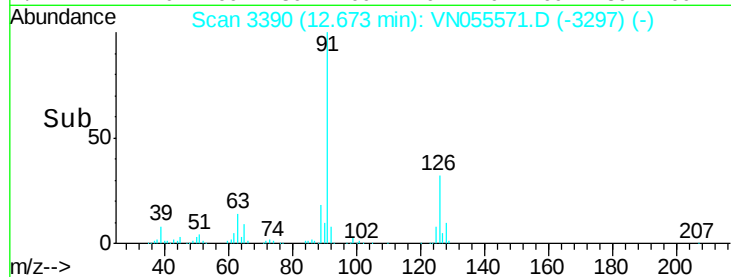
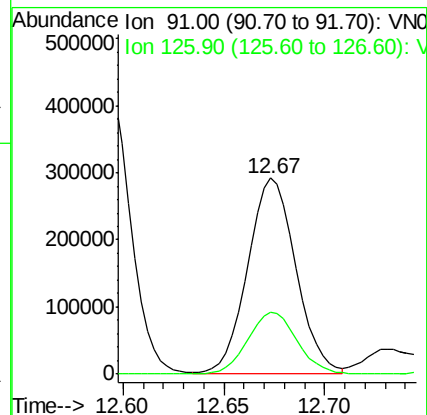
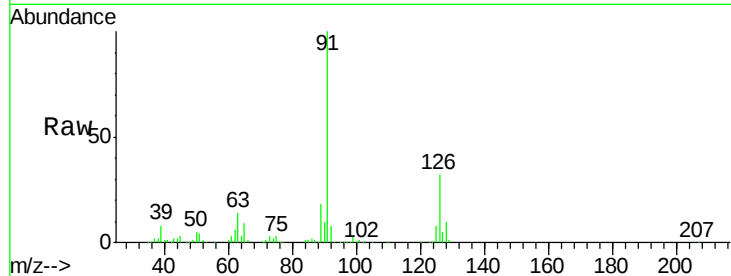
126 32.6 16.0 47.9

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#80

1,3,5-Trimethylbenzene

Concen: 18.594 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055571.D

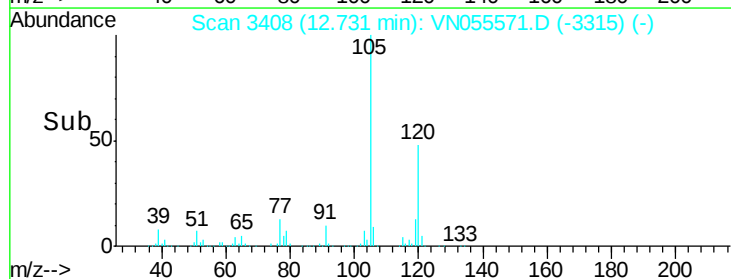
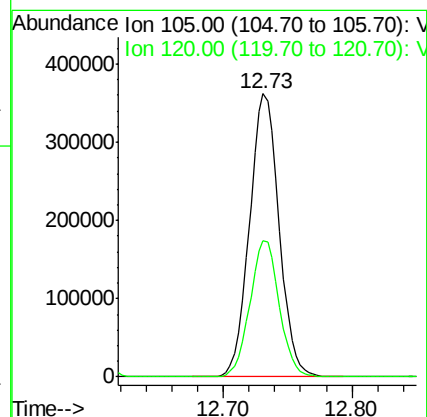
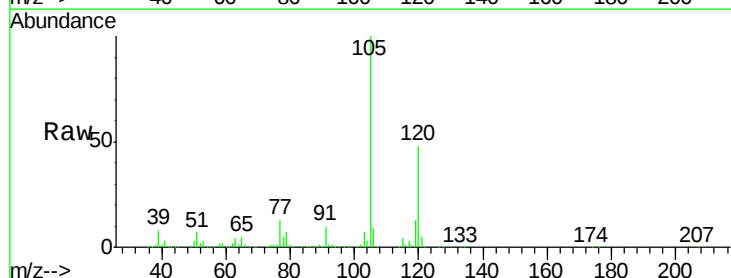
Acq: 13 May 2019 11:38

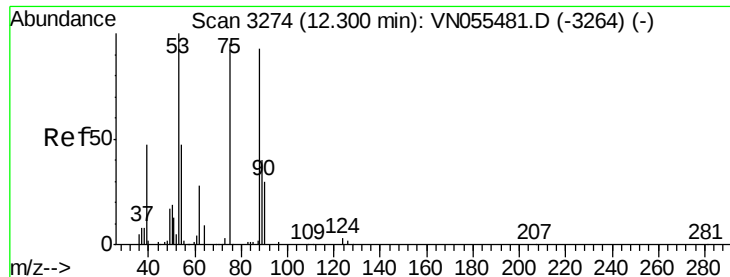
Tgt Ion: 105 Resp: 575183

Ion Ratio Lower Upper

105 100

120 48.0 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.573 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

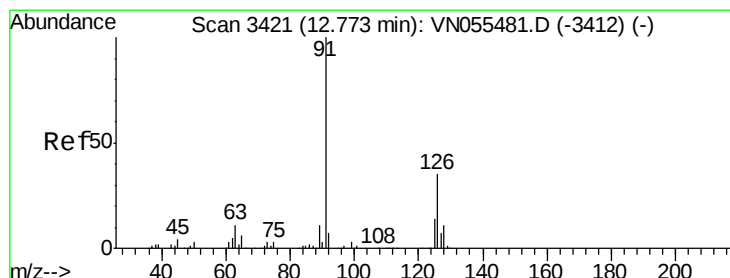
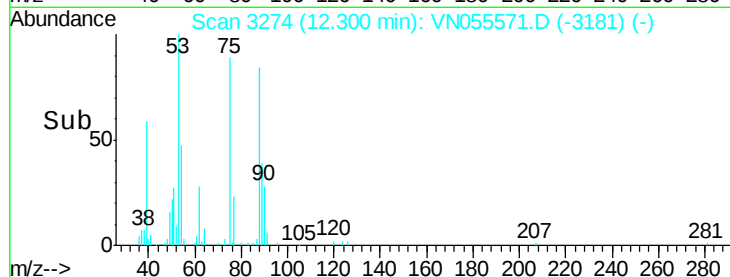
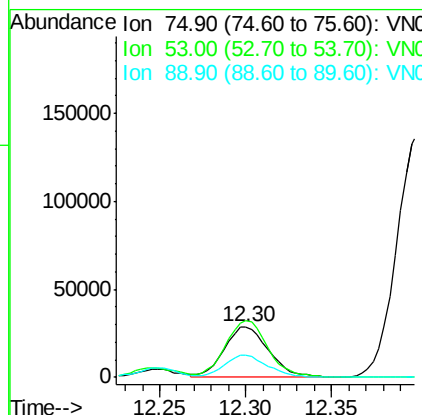
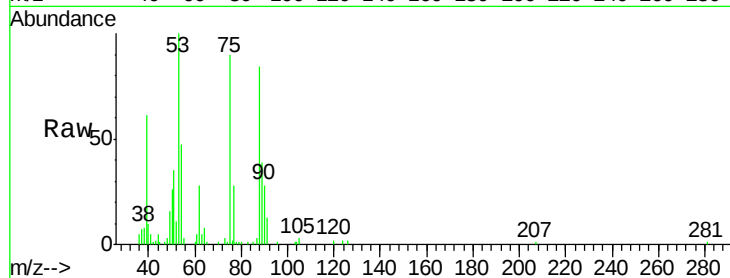
ClientSampleId :

VN0513MBS01

Tot Ion:	75	Resp:	50148
Ion Ratio	Lower	Upper	
75	100		
53	112.3	86.5	129.7
89	43.4	35.7	53.5

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#82

4-Chlorotoluene

Concen: 18.805 ug/l

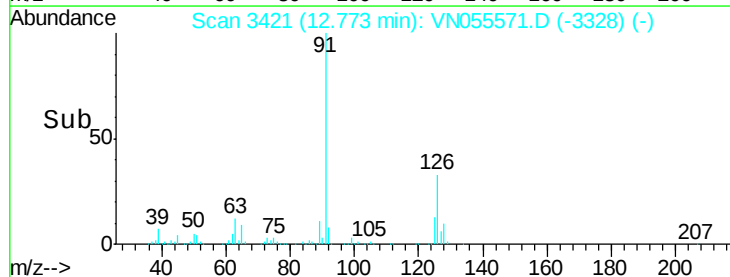
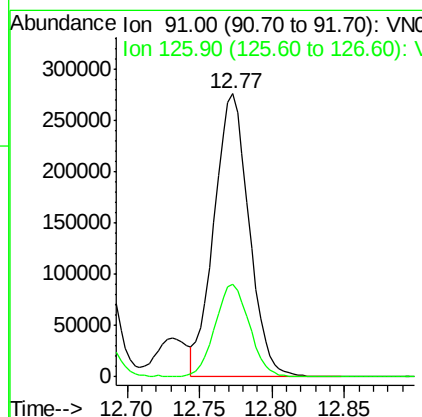
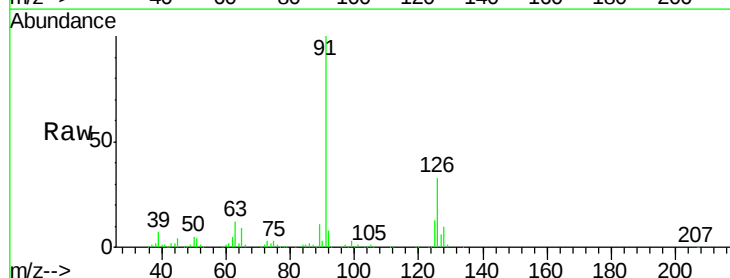
RT: 12.77 min Scan# 3421

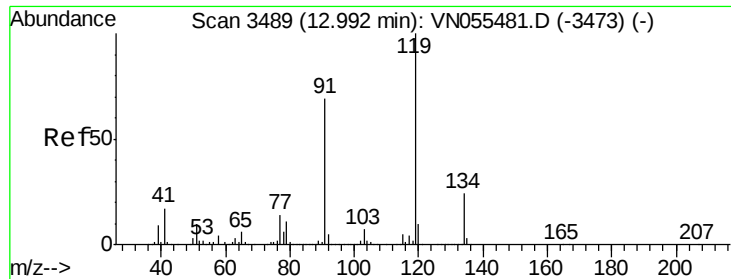
Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Tgt Ion:	91	Resp:	459408
Ion Ratio	Lower	Upper	
91	100		
126	32.5	15.7	47.0





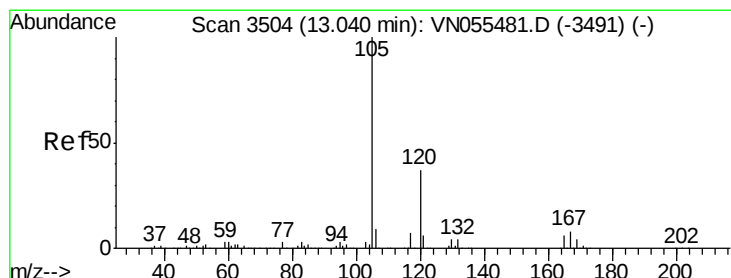
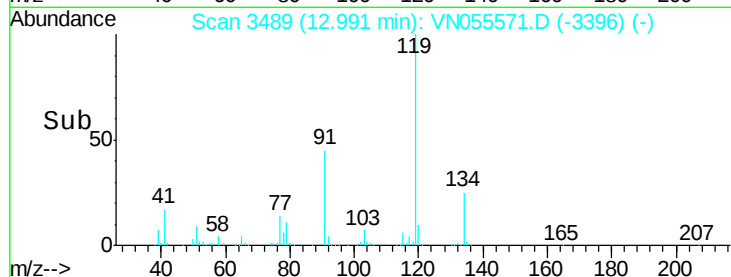
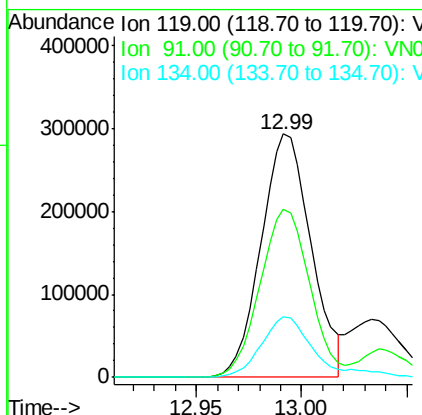
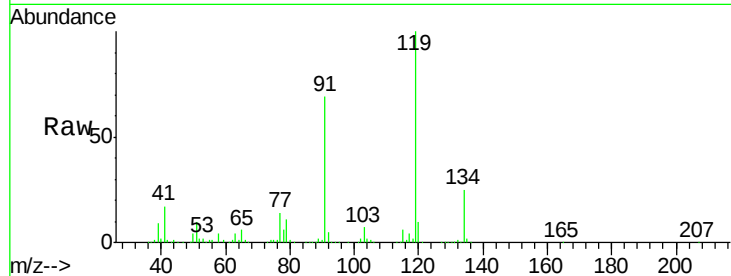
#83
tert-Butylbenzene
Concen: 18.259 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.6	33.8	101.3
134	26.5	12.5	37.5

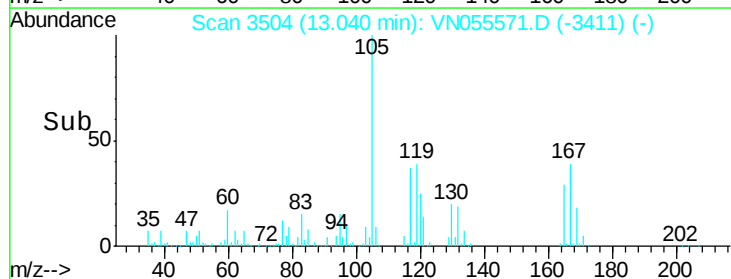
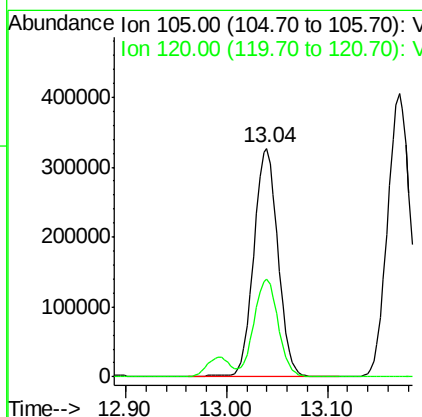
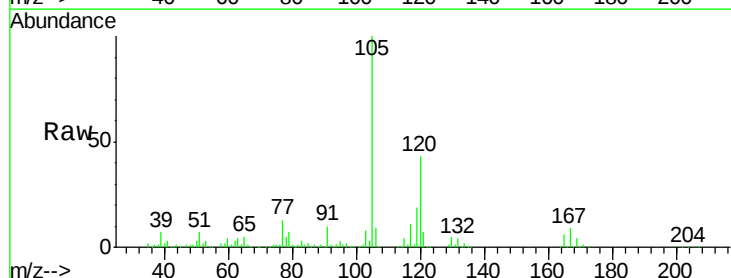
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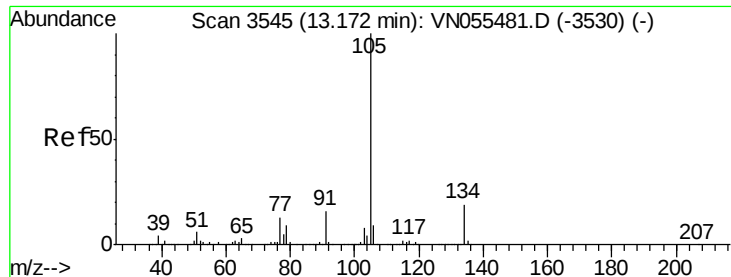
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.074 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.8	22.1	66.5





#85

sec-Butylbenzene

Concen: 18.466 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0513MBS01

Tot Ion:105 Resp: 650709

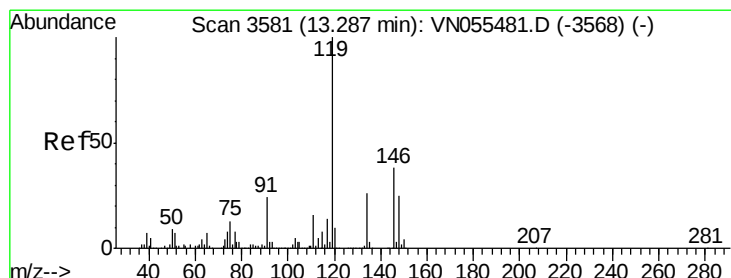
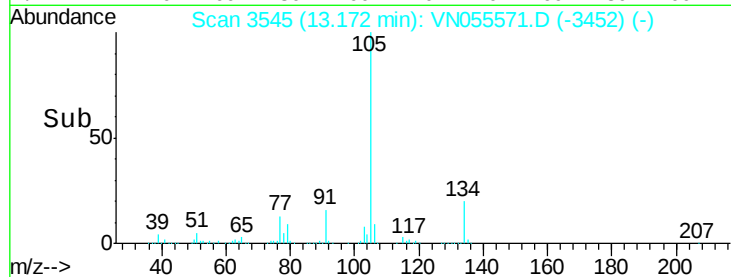
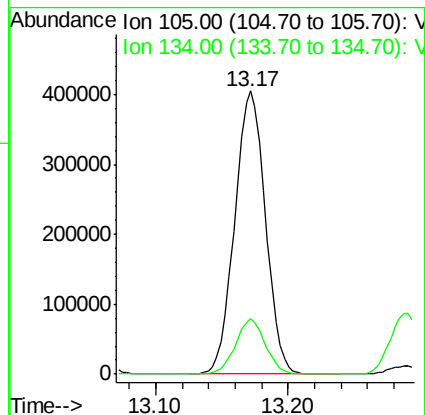
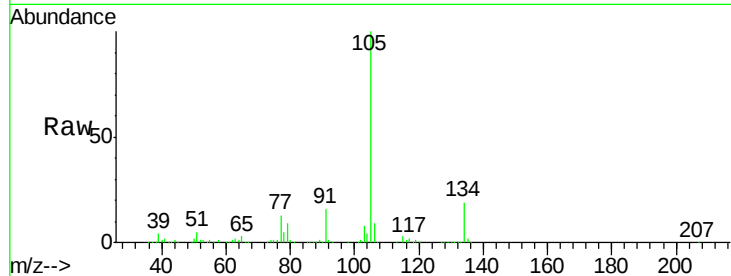
Ion Ratio Lower Upper

105 100

134 18.9 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 18.372 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

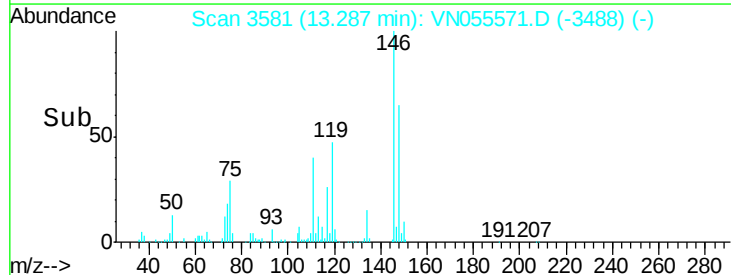
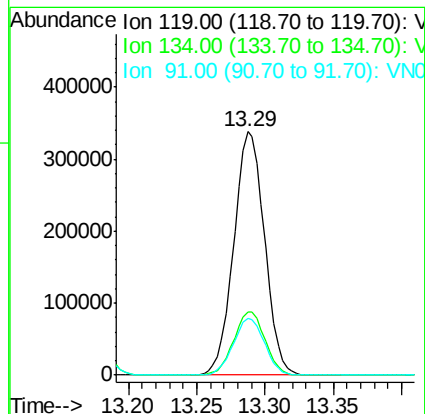
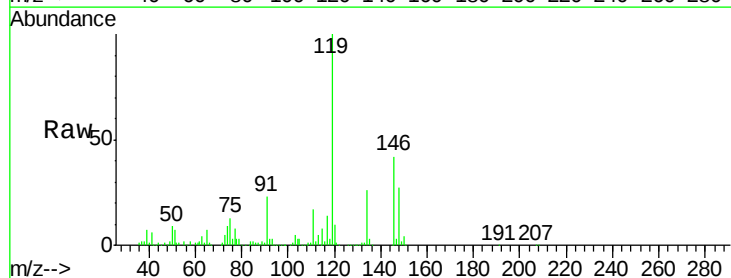
Tgt Ion:119 Resp: 526894

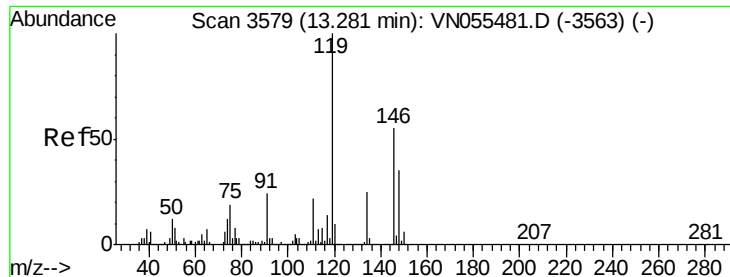
Ion Ratio Lower Upper

119 100

134 26.7 12.8 38.4

91 23.5 12.0 36.0





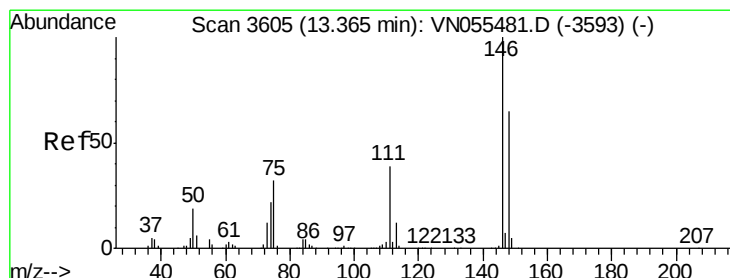
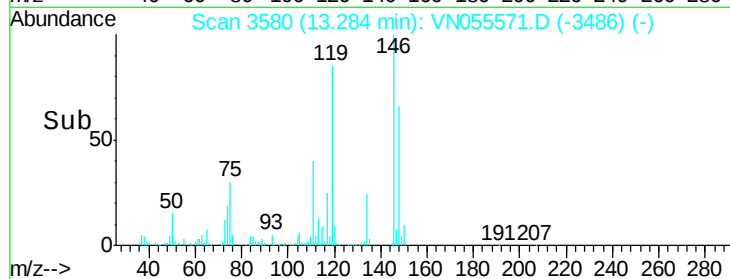
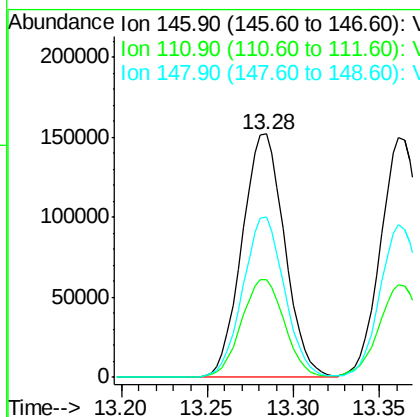
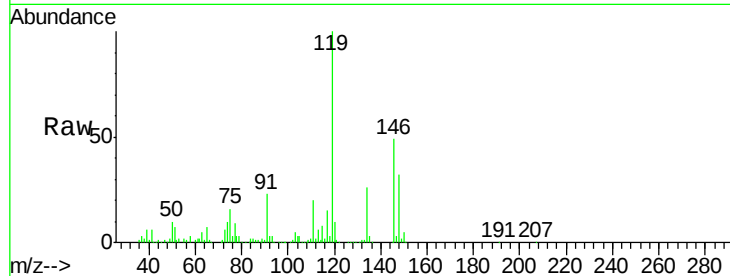
#87
 1,3-Dichlorobenzene
 Concen: 19.872 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.4	61.3
148	64.3	32.1	96.5

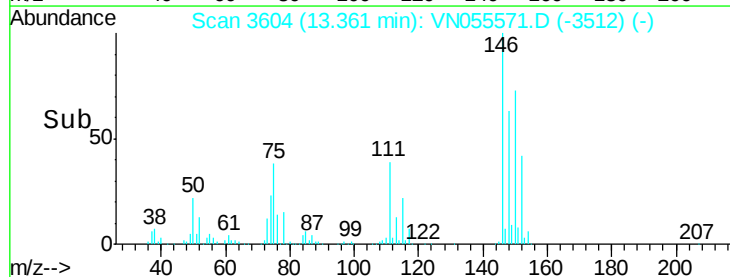
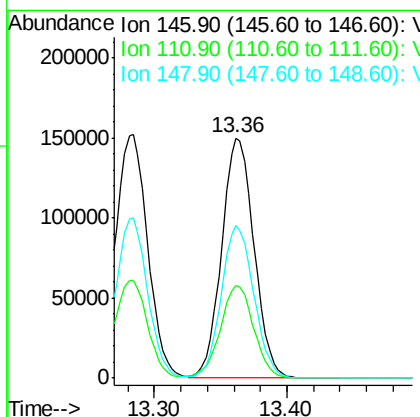
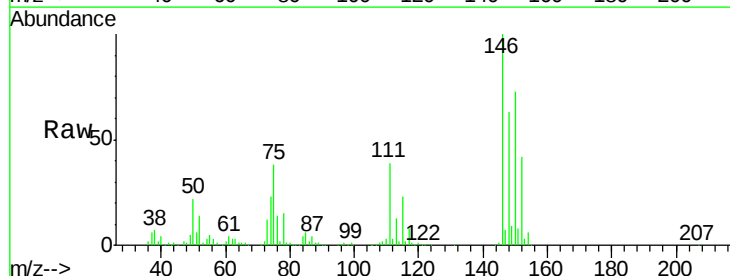
Manual Integrations
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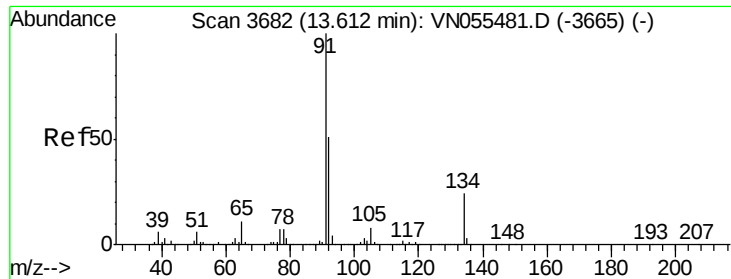
MMDadoda
 5/14/2019 9:42:32 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.495 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.8
148	64.0	32.5	97.4





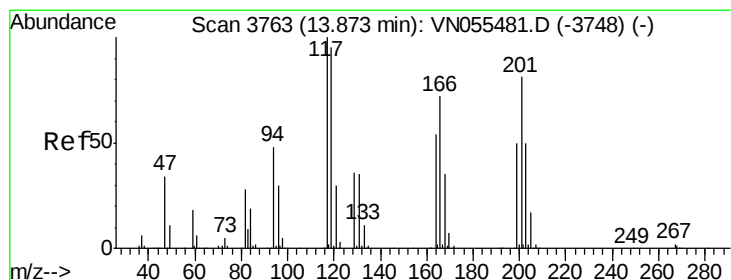
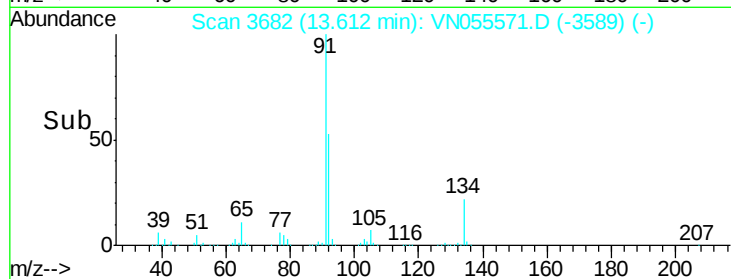
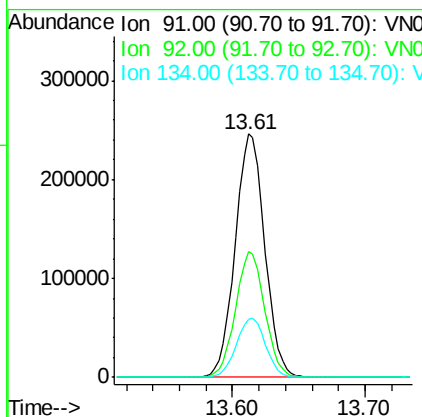
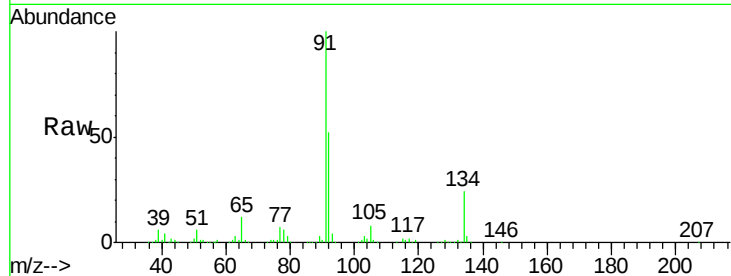
#89
n-Butylbenzene
Concen: 17.131 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0513MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.0	25.9	77.7	
134	24.1	11.8	35.4	

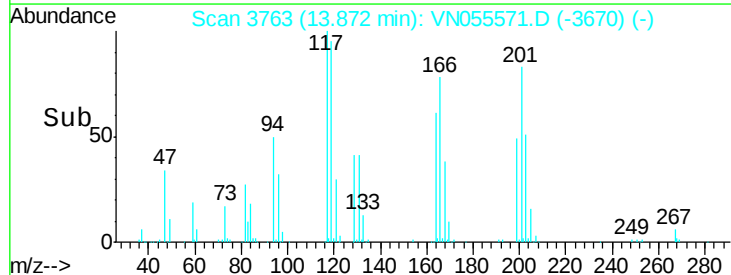
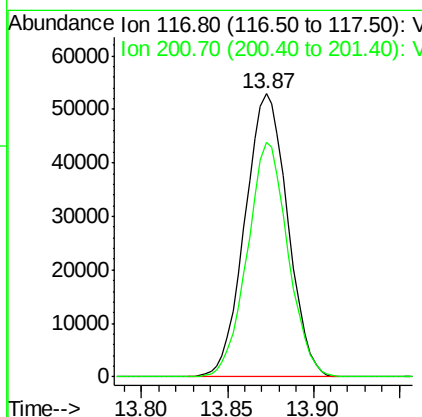
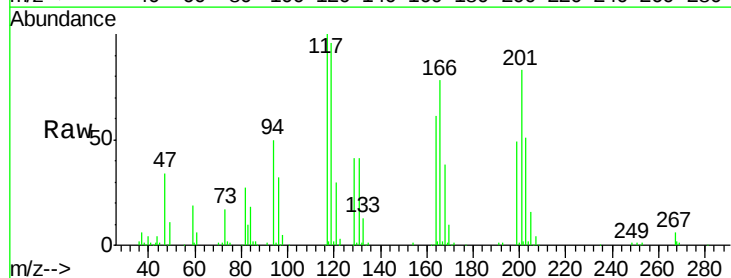
Manual Integrations
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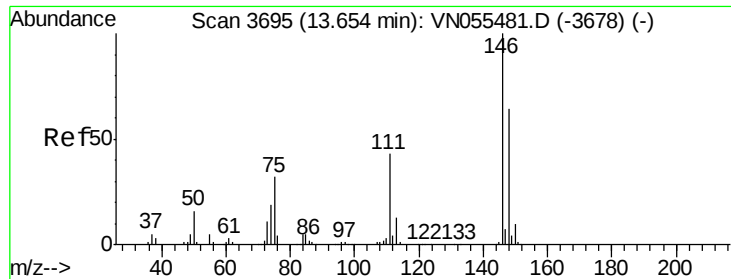
MMDadoda
5/14/2019 9:42:32 AM



#90
Hexachloroethane
Concen: 19.445 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055571.D
Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	78.9	40.1	120.2	





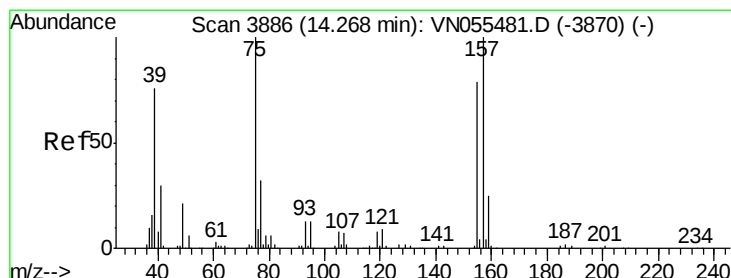
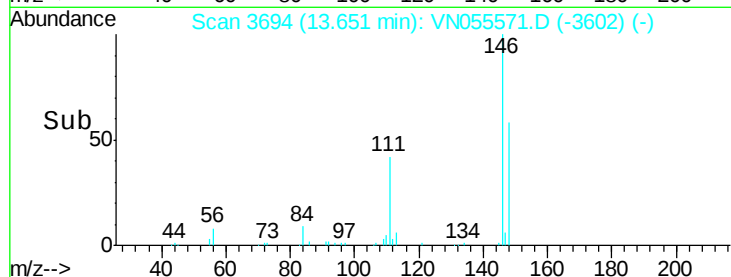
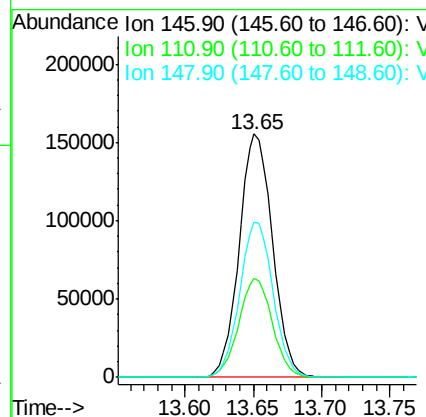
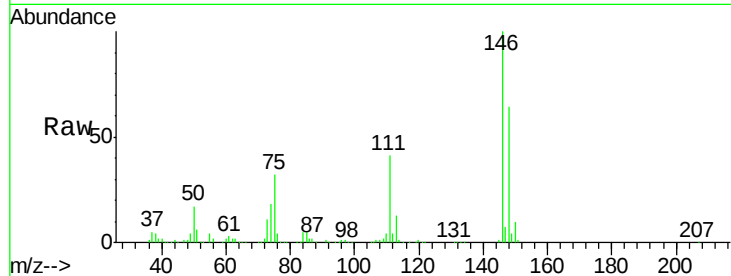
#91
 1,2-Dichlorobenzene
 Concen: 20.001 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	263298		
111	40.8	21.3	63.7	
148	63.8	31.9	95.9	

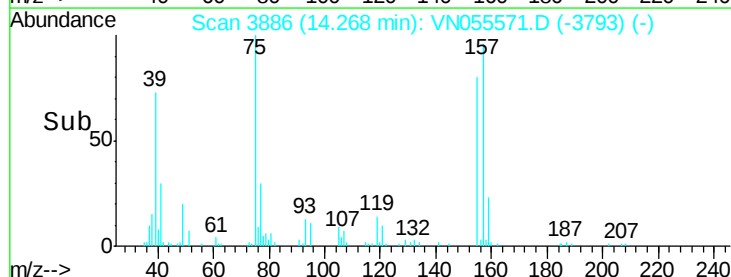
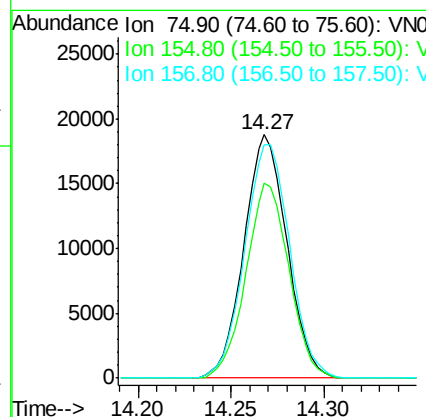
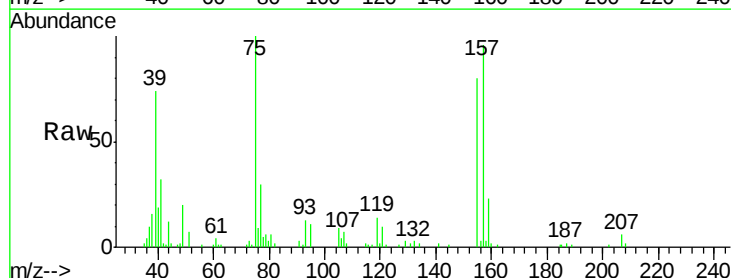
Manual Integrations
 APPROVED

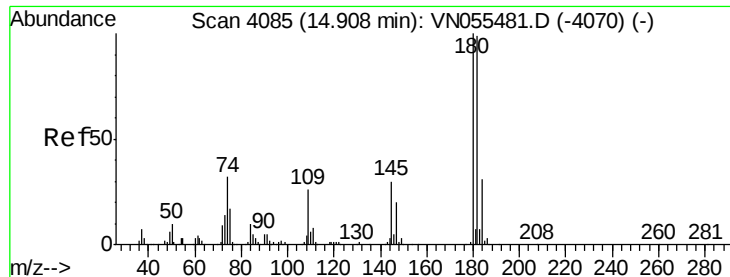
MMDadoda
 5/14/2019 9:42:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.058 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055571.D
 Acq: 13 May 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30341		
155	79.9	39.3	117.8	
157	100.8	50.6	151.8	





#93

1,2,4-Trichlorobenzene

Concen: 16.057 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

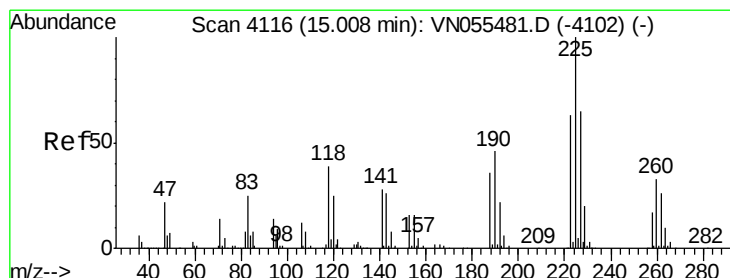
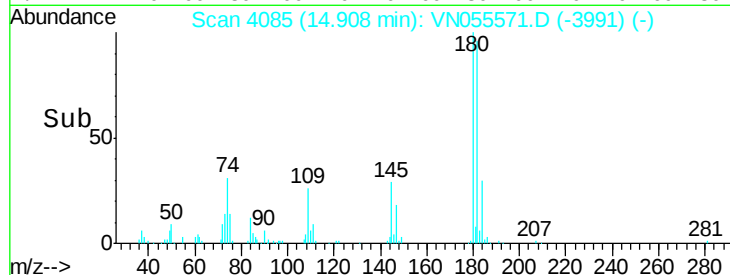
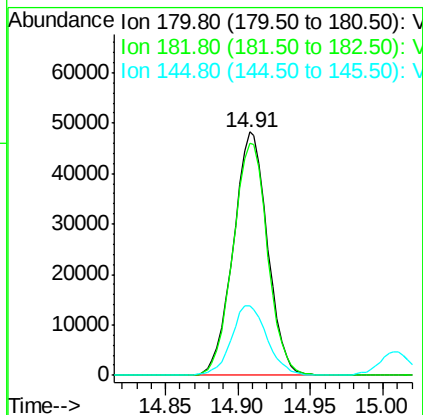
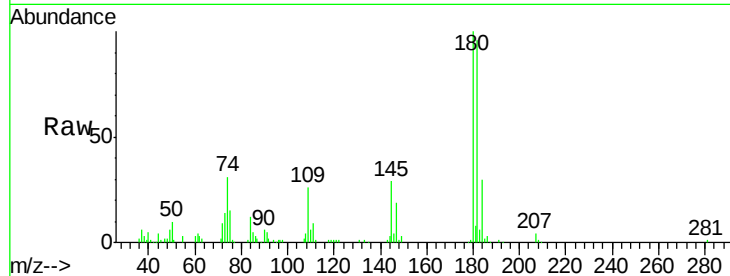
ClientSampleId :

VN0513MBS01

Tot Ion:	180	Resp:	78712
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.7	146.1
145	29.9	15.3	45.9

Manual Integrations
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5/14/2019 9:42:32 AM



#94

Hexachlorobutadiene

Concen: 19.938 ug/l

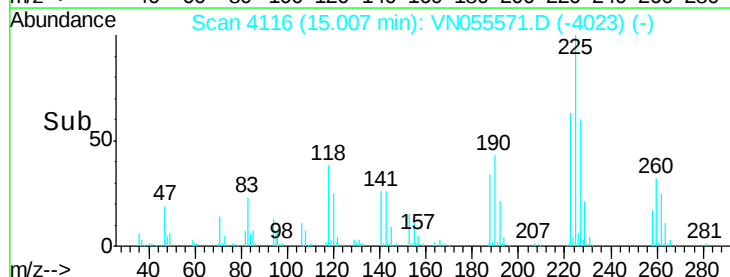
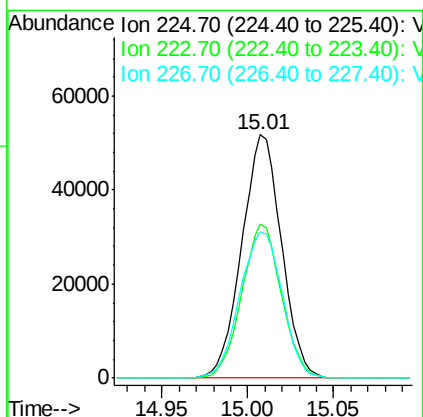
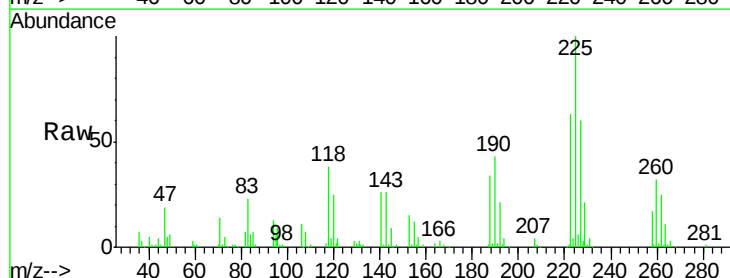
RT: 15.01 min Scan# 4116

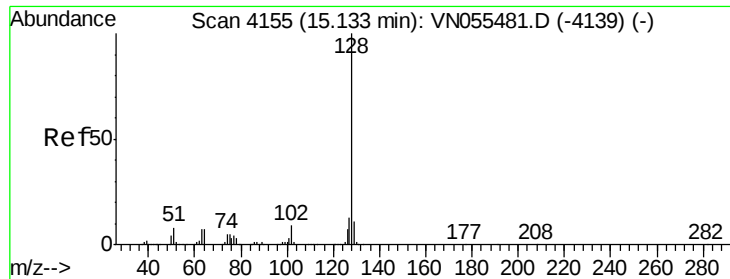
Delta R.T. 0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Tgt Ion:	225	Resp:	83127
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.4	94.3
227	64.1	32.0	96.0





#95

Naphthalene

Concen: 15.329 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Instrument :

MSVOA_N

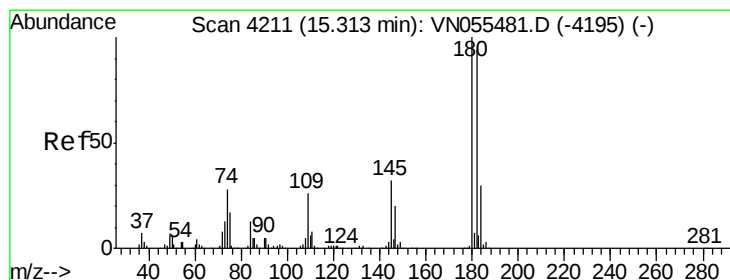
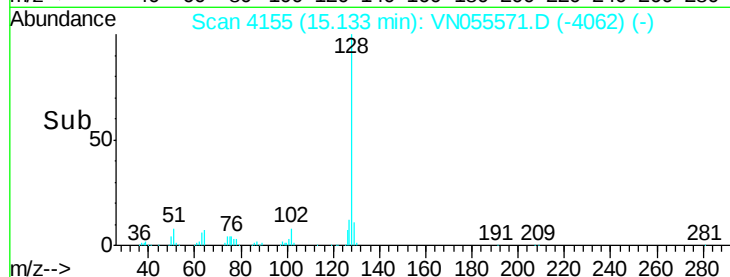
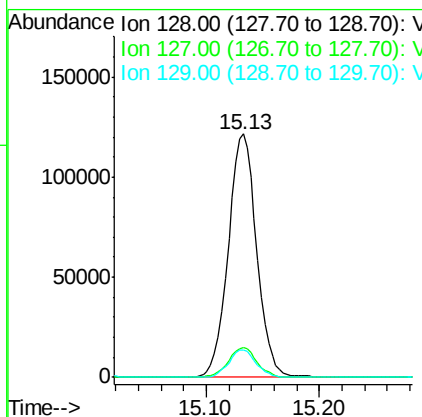
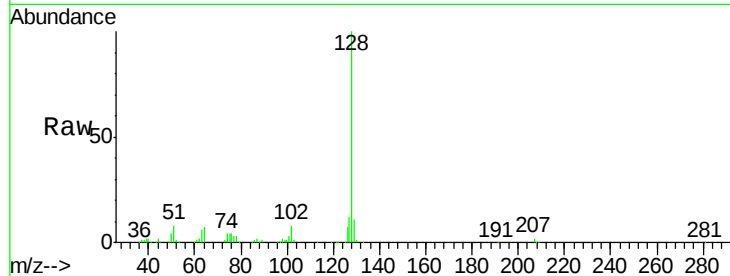
ClientSampleId :

VN0513MBS01

Tot Ion:	128	Resp:	212322
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.0	15.0
129	10.8	8.8	13.2

Manual Integrations
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5/14/2019 9:42:32 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.594 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055571.D

Acq: 13 May 2019 11:38

Tgt Ion:	180	Resp:	92439
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.1	141.3
145	31.6	15.8	47.4

