

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056685.D
 Acq On : 12 Jul 2019 12:53
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:59:33 AM

Quant Time: Jul 13 00:20:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	53508	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	293821	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	255694	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	106053	29.26	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.53%
60) 4-Bromofluorobenzene	12.40	95	114029	29.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.13%
63) Toluene-d8	10.09	98	356967	30.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	63311	20.822 ug/l	98
3) Chloromethane	2.06	50	83256	20.474 ug/l	100
4) Vinyl Chloride	2.18	62	80381	20.097 ug/l	98
5) Bromomethane	2.55	94	52836	20.958 ug/l	92
6) Chloroethane	2.70	64	47142	20.628 ug/l	99
7) Trichlorofluoromethane	3.01	101	103447	20.166 ug/l	97
8) Diethyl Ether	3.41	74	41889	19.968 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	65127	20.359 ug/l	98
10) 1,1-Dichloroethene	3.73	96	63638	20.166 ug/l	97
11) Methyl Iodide	3.95	142	76505	18.242 ug/l	96
12) Methyl Acetate	4.32	43	80262	18.999 ug/l	95
13) Acrolein	3.61	56	27168	91.219 ug/l	98
14) Acrylonitrile	4.99	53	185435	99.647 ug/l	99
15) Acetone	3.82	58	57667	89.773 ug/l	99
16) Carbon Disulfide	4.05	76	158542	19.047 ug/l	100
17) Allyl chloride	4.32	41	106404	19.275 ug/l	100
18) Methylene Chloride	4.55	84	74696	20.160 ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	67358	19.937 ug/l	99
20) Diisopropyl ether	5.95	45	221636	20.149 ug/l	98
21) 1,1-Dichloroethane	5.85	63	125007	19.890 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	78611	19.899 ug/l	100
23) tert-Butyl Alcohol	4.79	59	66544	102.509 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	199383	19.808 ug/l	99
25) Chloroform	7.37	83	124536	20.339 ug/l	97
26) Cyclohexane	7.65	56	115992	19.855 ug/l	# 97
29) 1,1-Dichloropropene	7.79	75	94302	20.191 ug/l	99
30) 2-Butanone	6.84	43	257028	95.051 ug/l	99
31) 2,2-Dichloropropane	6.82	77	88786	19.642 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	99559	19.998 ug/l	99
33) Carbon Tetrachloride	7.78	117	83412	19.470 ug/l	98
34) Benzene	8.04	78	292072	20.353 ug/l	98
35) Methacrylonitrile	7.18	41	34601m	16.749 ug/l	
36) 1,2-Dichloroethane	8.12	62	93382	20.257 ug/l	99
37) Trichloroethene	8.84	130	77537	19.895 ug/l	97
38) Methylcyclohexane	9.08	83	114301	19.372 ug/l	99
39) 1,2-Dichloropropane	9.12	63	77618	20.151 ug/l	100
40) Dibromomethane	9.21	93	48174	19.635 ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	89467	19.786	ug/l	98
42) Vinyl Acetate	5.90	43	915866	101.766	ug/l	100
43) Ethyl Acetate	6.93	43	97999	20.055	ug/l	97
44) Isopropyl Acetate	8.17	43	151129	19.829	ug/l	100
45) 1,4-Dioxane	9.20	88	32392	420.100	ug/l	99
46) Methyl methacrylate	9.20	41	73537	20.084	ug/l	98
47) n-amyl Acetate	12.07	43	118253	18.972	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	94953	19.091	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	110034	19.611	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	72293	20.225	ug/l	97
51) Ethyl methacrylate	10.43	69	109813	19.973	ug/l	100
52) 1,3-Dichloropropane	10.71	76	120248	20.106	ug/l	98
53) Dibromochloromethane	10.90	129	69741	19.305	ug/l	98
54) 1,2-Dibromoethane	11.00	107	75317	20.274	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	258824	97.350	ug/l	99
56) Bromoform	12.13	173	49720	18.592	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	503091	104.537	ug/l	100
59) 2-Hexanone	10.75	43	364485	99.774	ug/l	99
61) Tetrachloroethene	10.63	164	77508	21.096	ug/l	97
62) Toluene	10.16	91	306762	20.426	ug/l	99
64) Chlorobenzene	11.43	112	185399	20.241	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	67400	20.070	ug/l	98
66) Ethyl Benzene	11.51	91	327821	20.194	ug/l	99
67) m/p-Xylenes	11.62	106	246318	40.206	ug/l	99
68) o-Xylene	11.95	106	121271	20.295	ug/l	99
69) Styrene	11.96	104	197659	19.963	ug/l	99
70) Isopropylbenzene	12.25	105	319024	20.368	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	105131	20.679	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	90012m	20.716	ug/l	
73) Bromobenzene	12.53	156	81430	19.895	ug/l	98
74) n-propylbenzene	12.59	91	347402	19.659	ug/l	99
75) 2-Chlorotoluene	12.67	91	215139	20.215	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	269518	20.174	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	25829	17.883	ug/l	93
78) 4-Chlorotoluene	12.77	91	203891	19.756	ug/l	100
79) tert-butylbenzene	12.99	119	229769	20.217	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	264501	19.963	ug/l	98
81) sec-Butylbenzene	13.17	105	298045	19.812	ug/l	99
82) p-Isopropyltoluene	13.29	119	270613	19.780	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	131643	19.297	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	124246	19.000	ug/l	99
85) n-Butylbenzene	13.61	91	210000	18.609	ug/l	99
86) Hexachloroethane	13.87	117	40618	18.922	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	136144	19.859	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	17483	19.933	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	64787	17.569	ug/l	98
90) Hexachlorobutadiene	15.01	225	46818	19.528	ug/l	98
91) Naphthalene	15.13	128	164868	16.623	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	69613	18.004	ug/l	100

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ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
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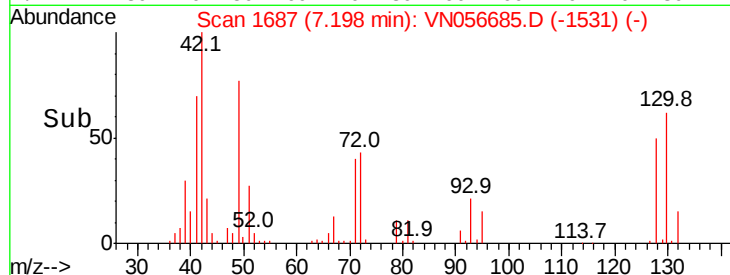
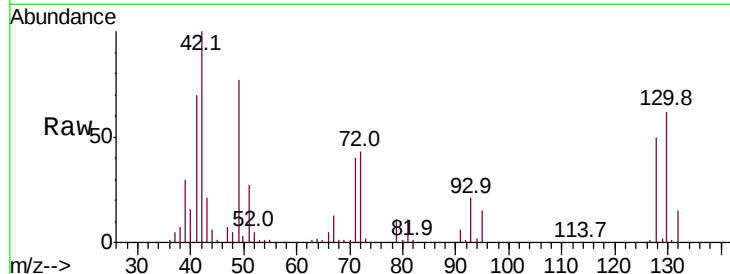
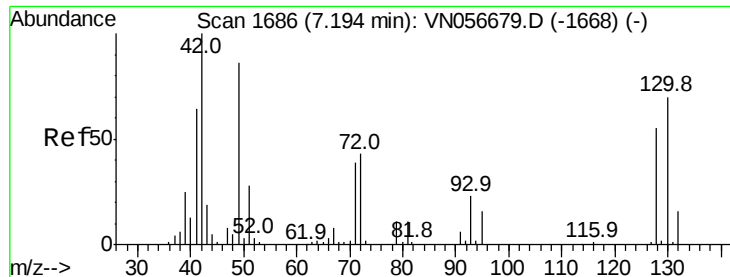
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



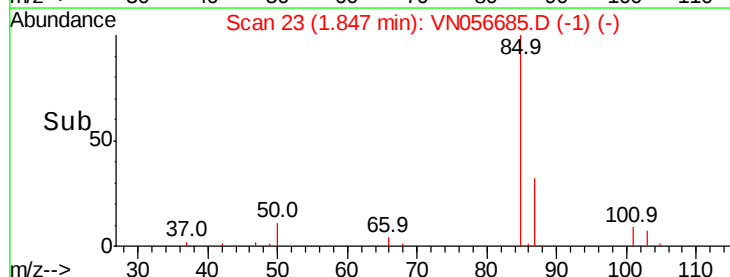
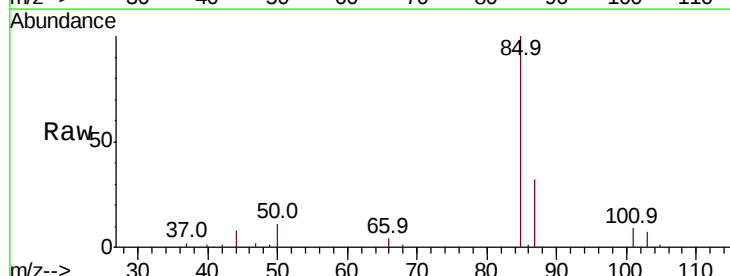
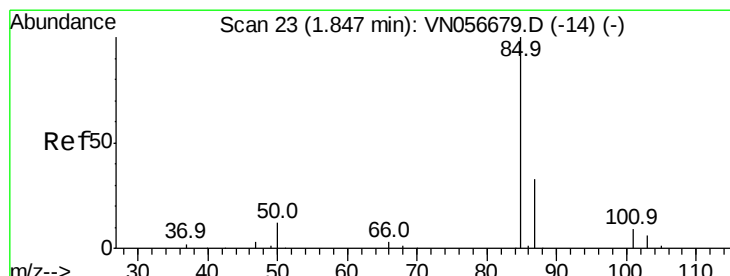
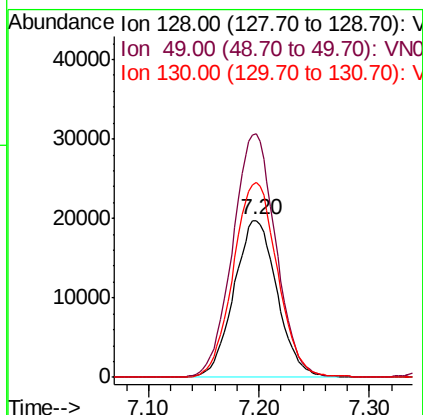
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tot Ion	Ratio	Lower	Upper
128	100		
49	155.3	0.0	390.5
130	127.0	0.0	316.5

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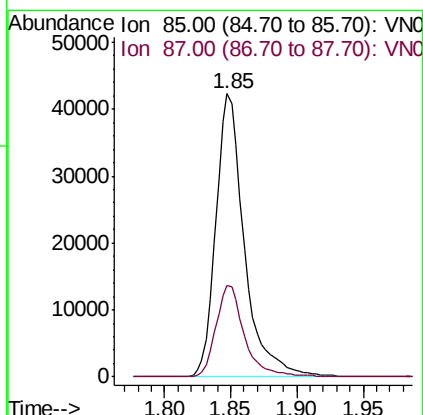
Manual Integrations
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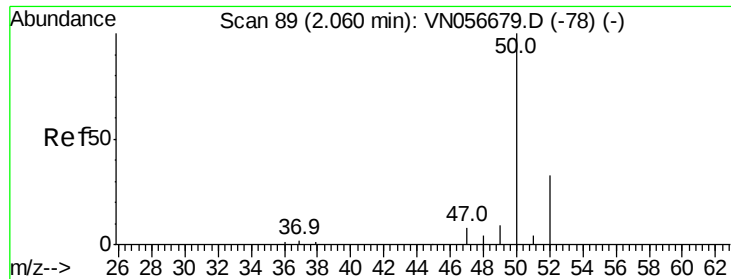
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#2
Dichlorodifluoromethane
Concen: 20.822 ug/l
RT: 1.85 min Scan# 23
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.8	50.3





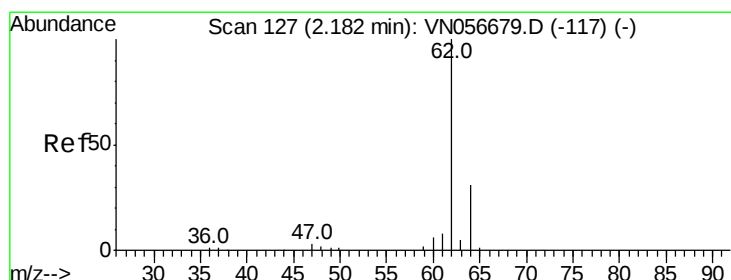
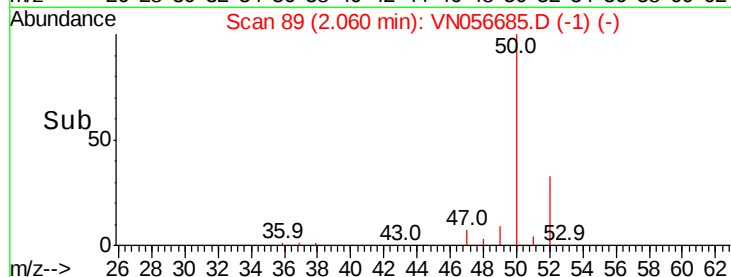
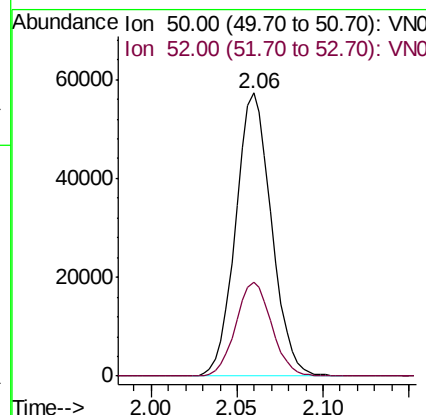
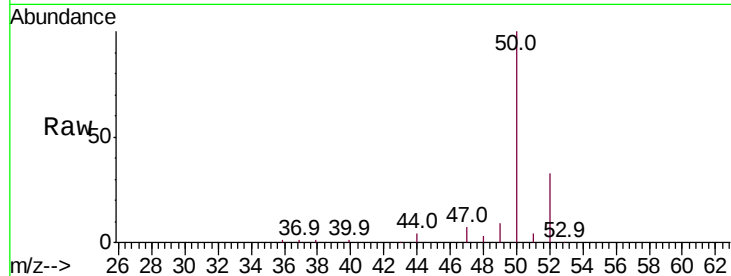
#3
Chloromethane
Concen: 20.474 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.5	39.7

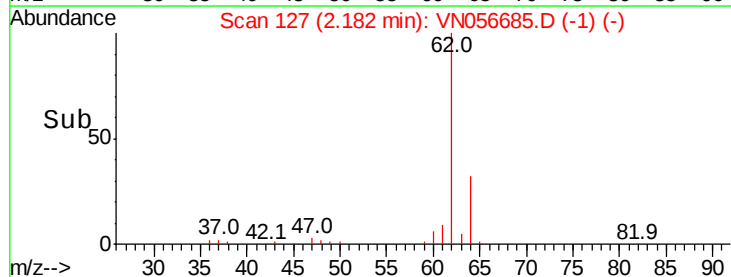
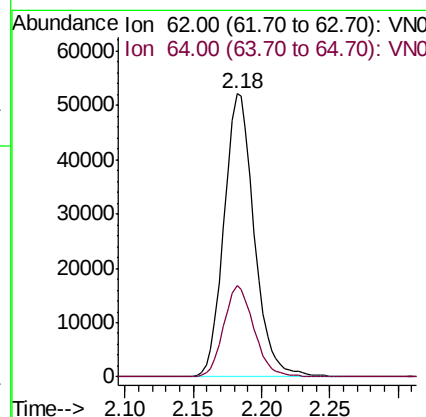
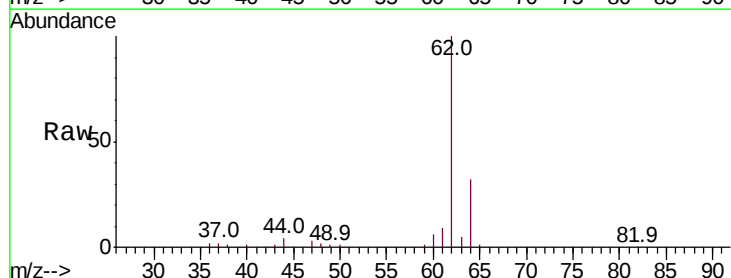
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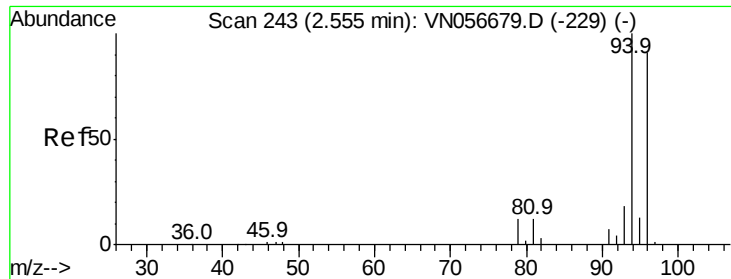
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#4
Vinyl Chloride
Concen: 20.097 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.0	37.4





#5

Bromomethane

Concen: 20.958 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071319

Tot Ion: 94 Resp: 52836

Ion Ratio Lower Upper

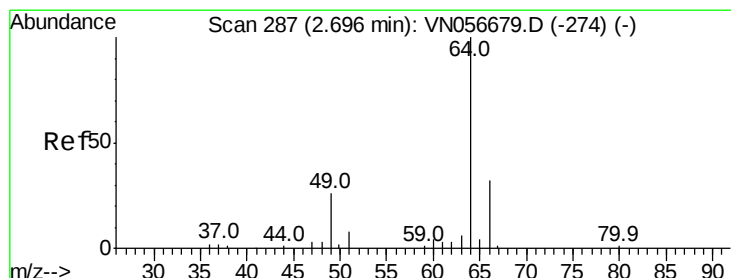
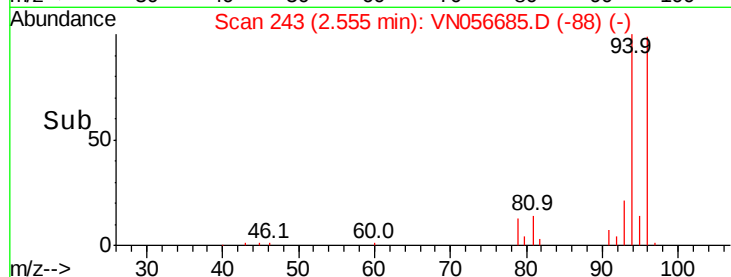
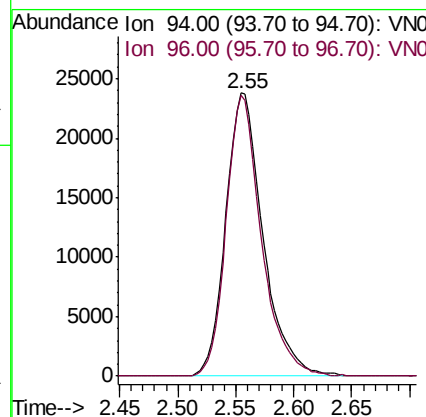
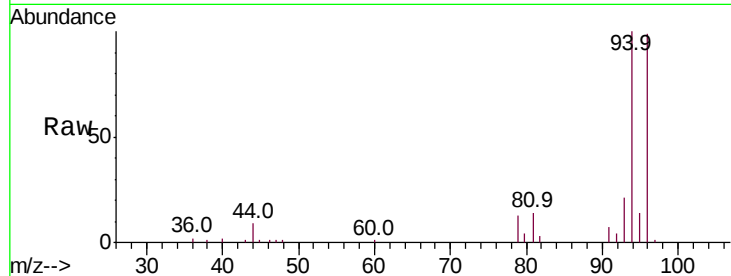
94 100

96 99.0 72.8 109.2

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7/16/2019 9:59:33 AM



#6

Chloroethane

Concen: 20.628 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN056685.D

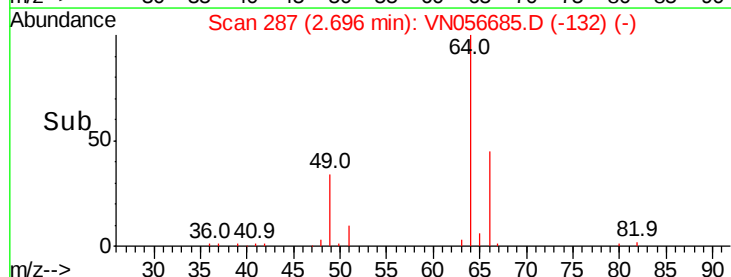
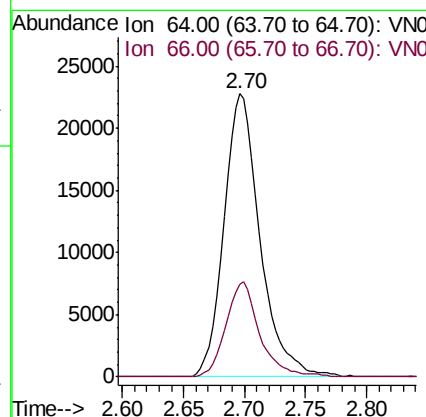
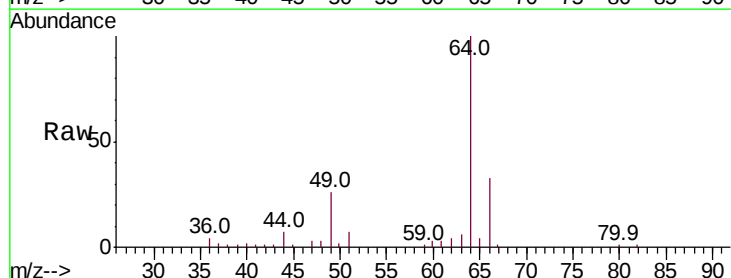
Acq: 12 Jul 2019 12:53

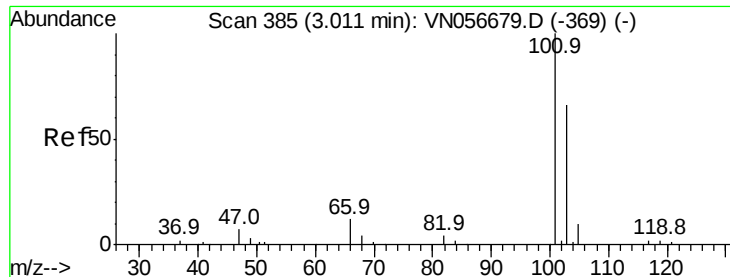
Tgt Ion: 64 Resp: 47142

Ion Ratio Lower Upper

64 100

66 32.7 25.7 38.5





#7

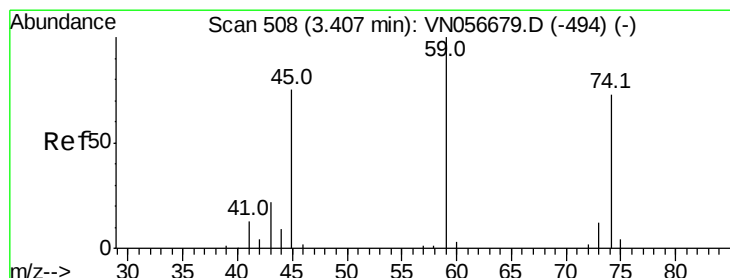
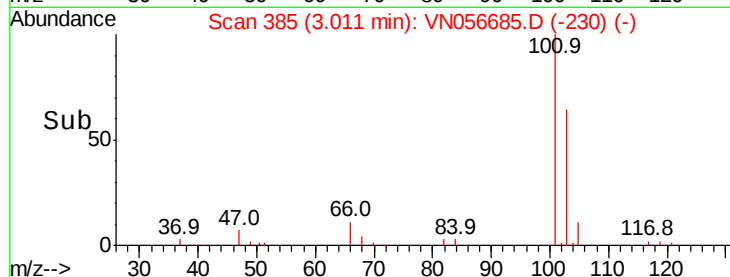
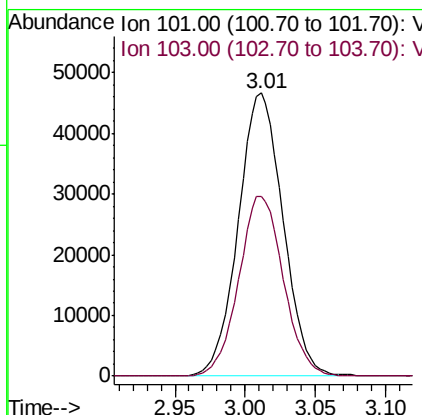
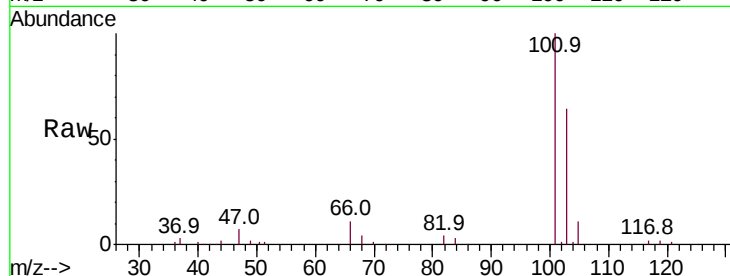
Trichlorofluoromethane
Concen: 20.166 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.8	79.2

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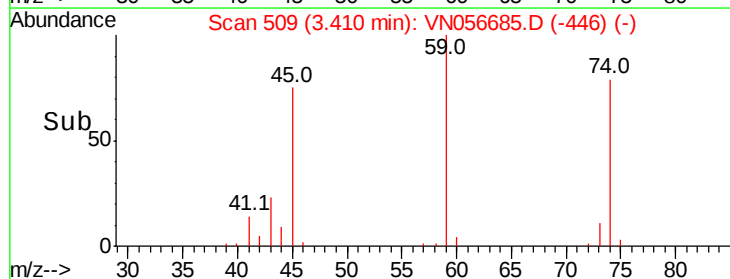
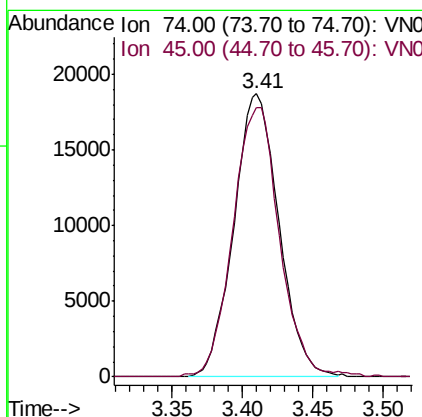
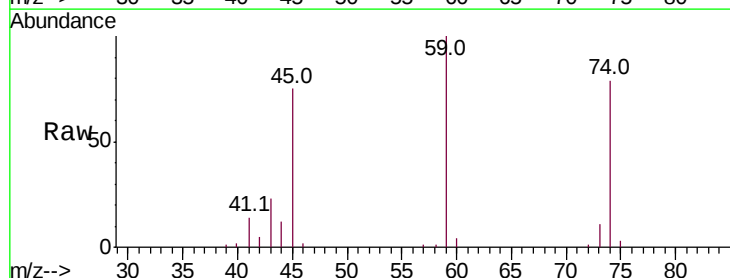
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7/16/2019 9:59:33 AM

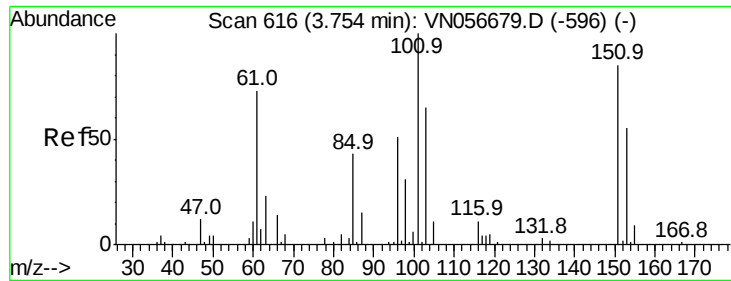


#8

Diethyl Ether
Concen: 19.968 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	19.9	179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.359 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

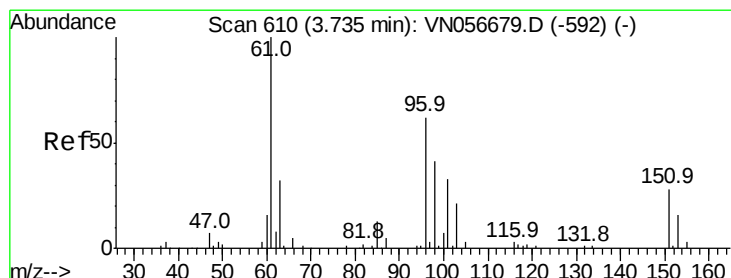
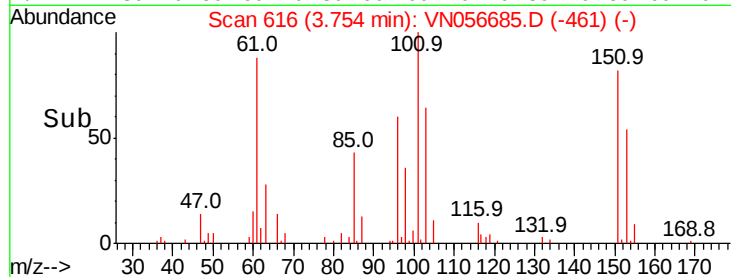
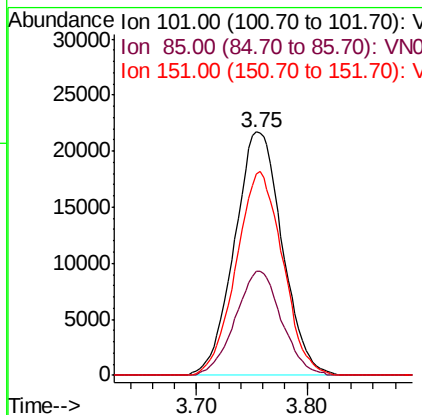
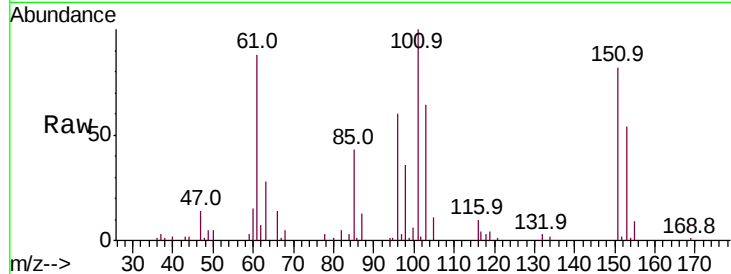
ClientSampleId :

ICVVN071319

Tot Ion:	101	Resp:	65127
Ion Ratio	Lower	Upper	
101	100		
85	41.4	0.0	84.2
151	81.8	0.0	167.6

Manual Integrations
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7/16/2019 9:59:33 AM



#10

1,1-Dichloroethene

Concen: 20.166 ug/l

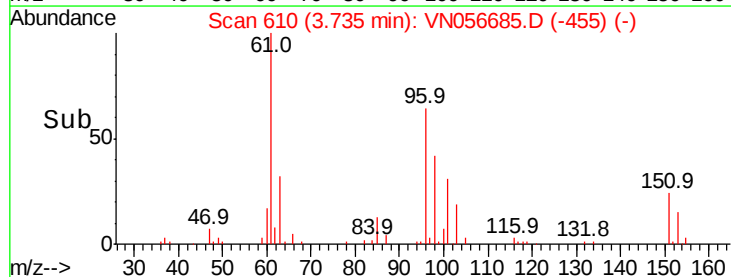
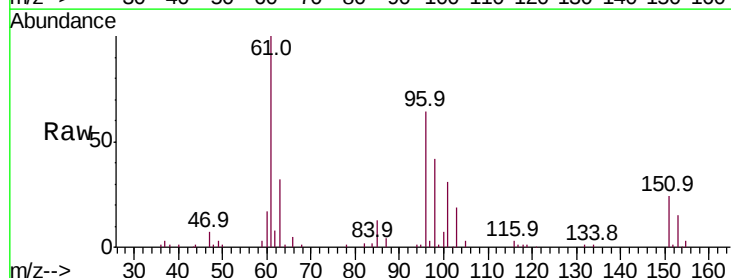
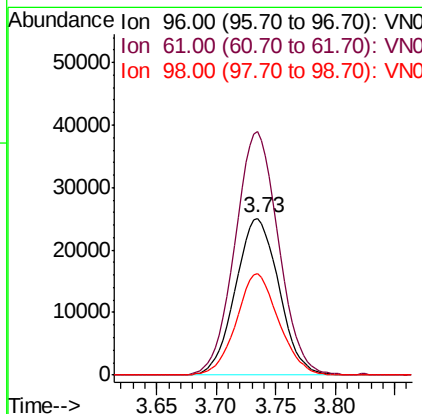
RT: 3.73 min Scan# 610

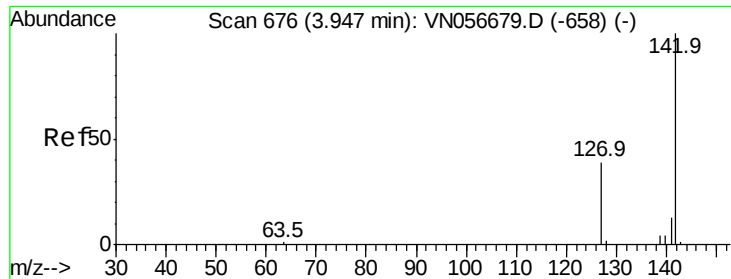
Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Tgt Ion:	96	Resp:	63638
Ion Ratio	Lower	Upper	
96	100		
61	155.5	129.0	193.4
98	64.7	52.5	78.7





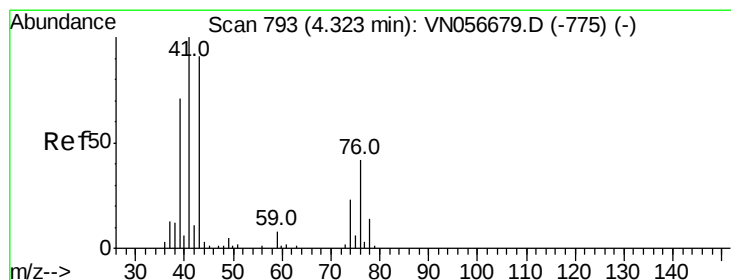
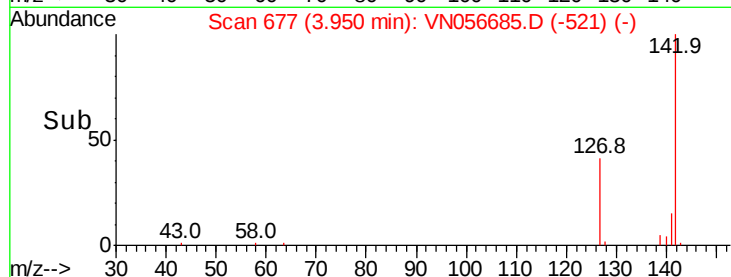
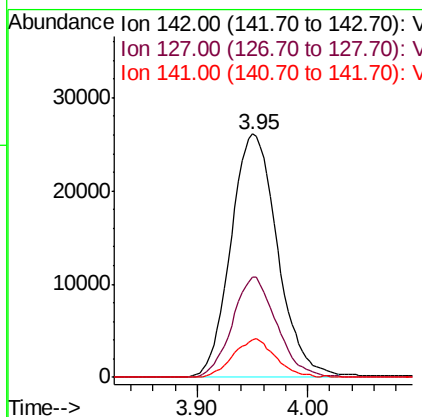
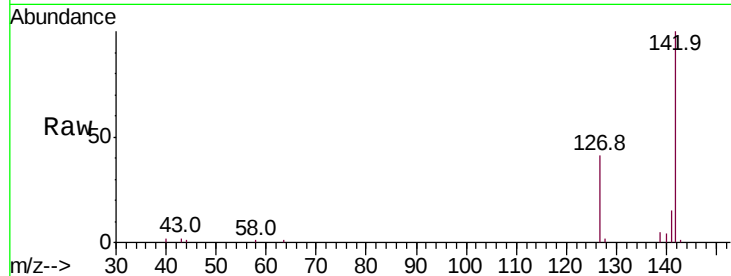
#11
Methyl Iodide
Concen: 18.242 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.3	19.5	58.5
141	15.5	6.8	20.3

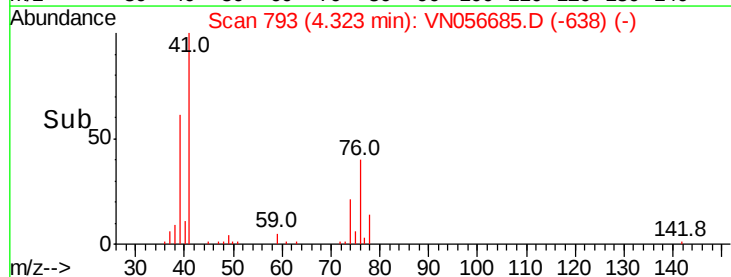
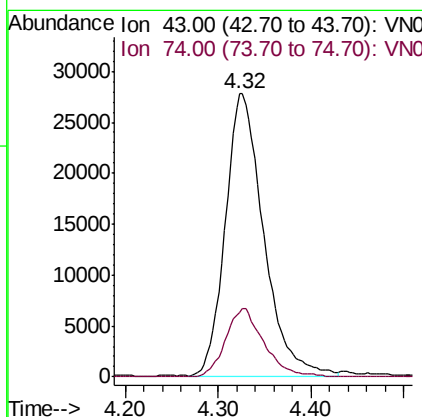
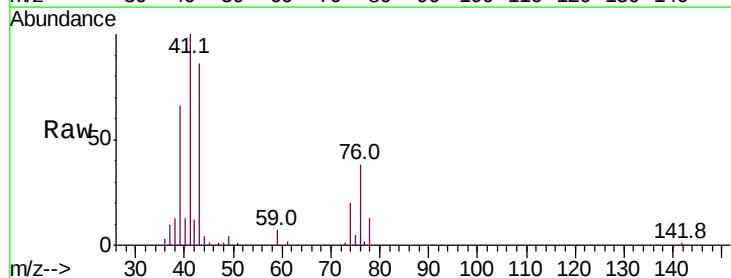
Manual Integrations
APPROVED

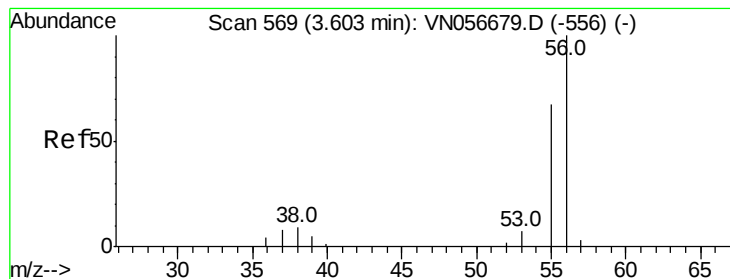
MMDadoda
7/16/2019 9:59:33 AM



#12
Methyl Acetate
Concen: 18.999 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	20.2	30.4





#13

Acrolein

Concen: 91.219 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071319

Tot Ion: 56 Resp: 27168

Ion Ratio Lower Upper

56 100

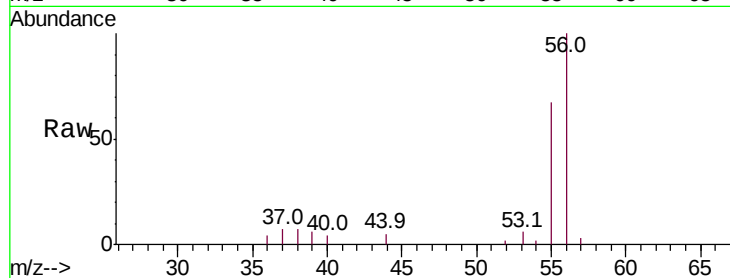
55 69.8 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

7/16/2019 9:59:33 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

6000

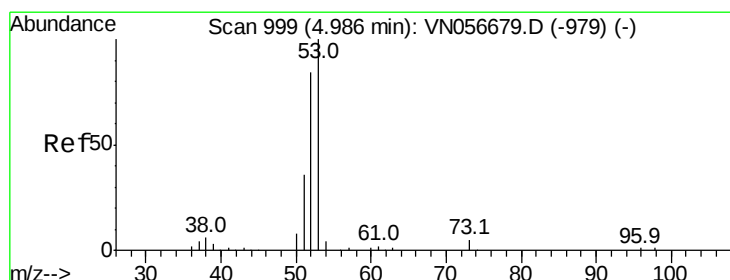
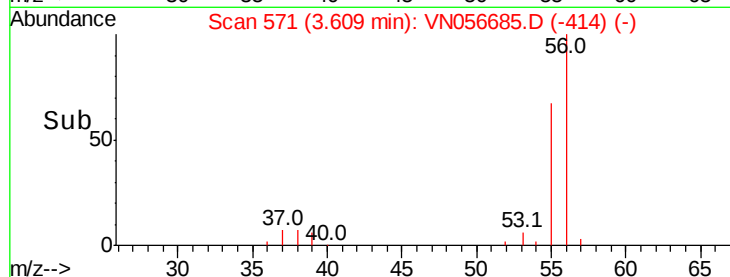
4000

2000

0

Time-->

3.55 3.60 3.65 3.70



#14

Acrylonitrile

Concen: 99.647 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

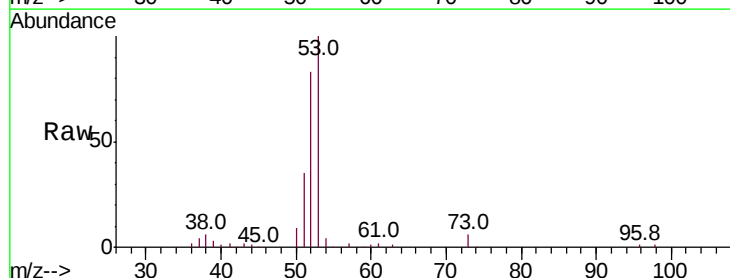
Tgt Ion: 53 Resp: 185435

Ion Ratio Lower Upper

53 100

52 83.1 41.3 123.7

51 36.1 17.7 53.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

60000

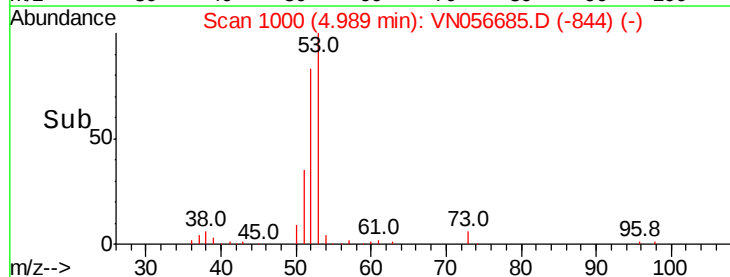
40000

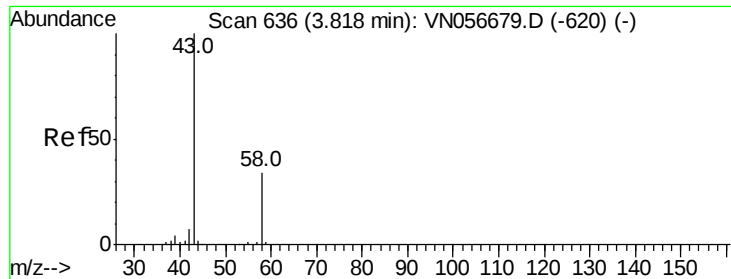
20000

0

Time-->

4.90 5.00 5.10





#15

Acetone

Concen: 89.773 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071319

Tot Ion: 58 Resp: 57667

Ion Ratio Lower Upper

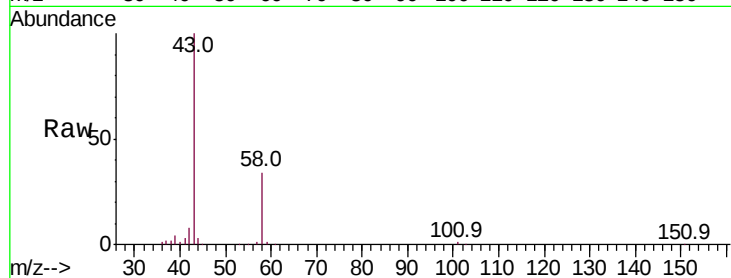
58 100

43 294.4 233.9 350.9

Manual Integrations
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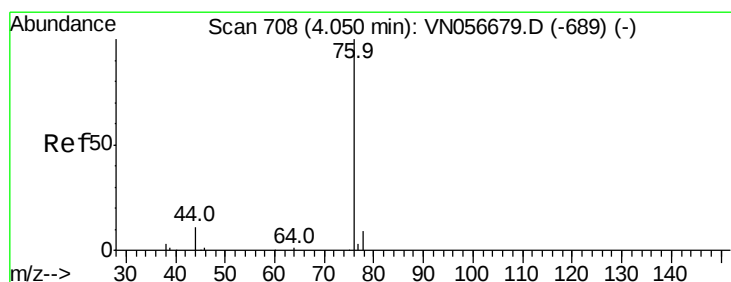
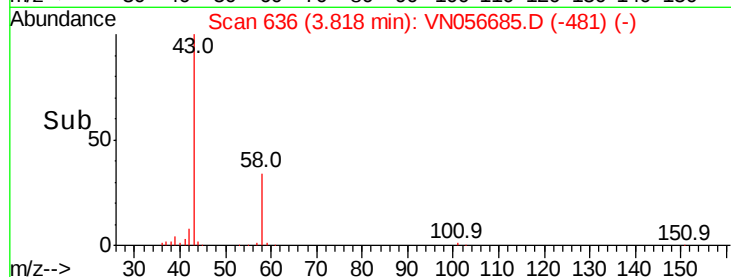
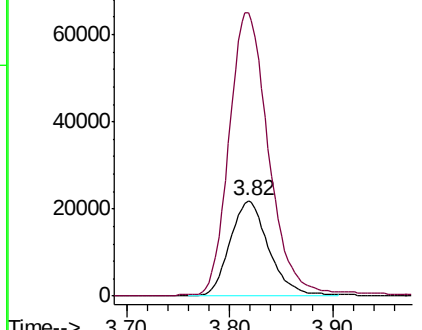
MMDadoda

7/16/2019 9:59:33 AM



Abundance Ion 58.00 (57.70 to 58.70): VN056679.D (-620) (-)

Ion 43.00 (42.70 to 43.70): VN056679.D (-620) (-)



#16

Carbon Disulfide

Concen: 19.047 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056685.D

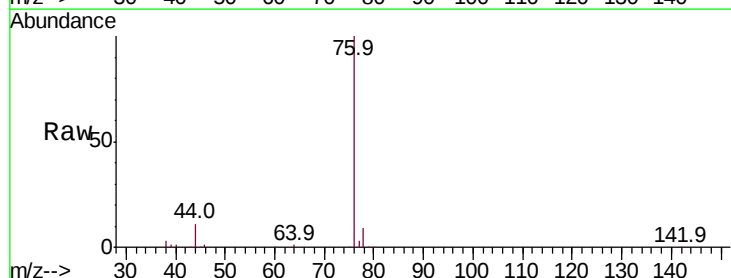
Acq: 12 Jul 2019 12:53

Tgt Ion: 76 Resp: 158542

Ion Ratio Lower Upper

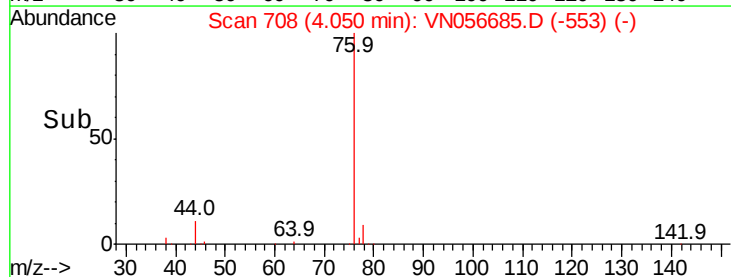
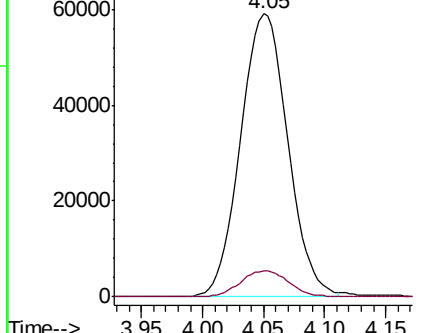
76 100

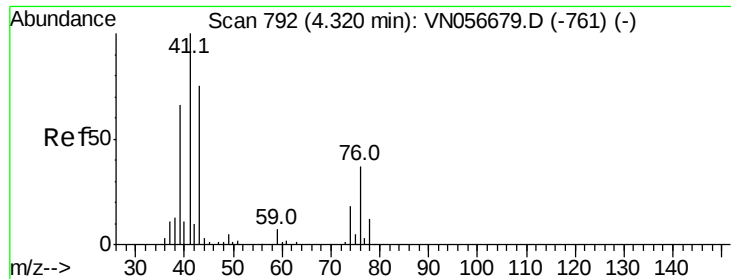
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN056679.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN056679.D (-689) (-)





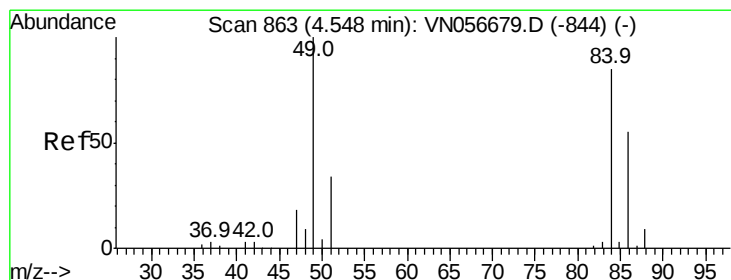
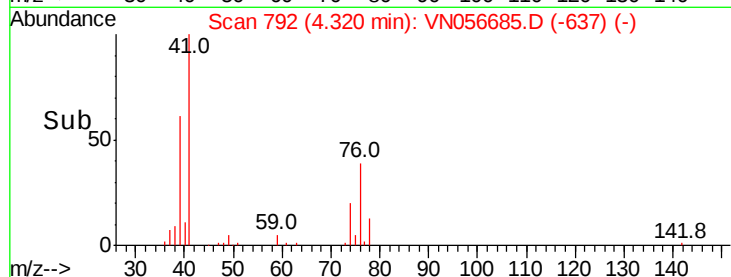
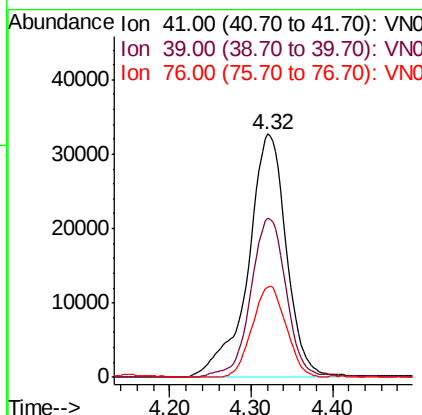
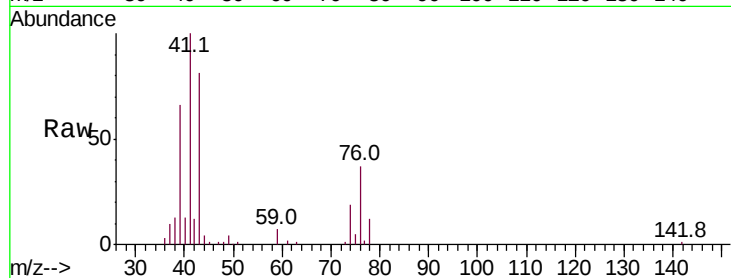
#17
Allvl chloride
Concen: 19.275 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.6	32.8	98.4
76	36.8	18.5	55.5

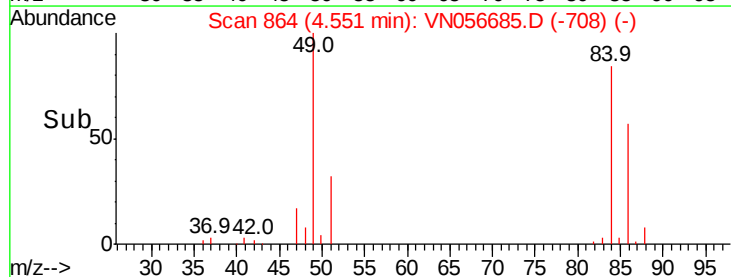
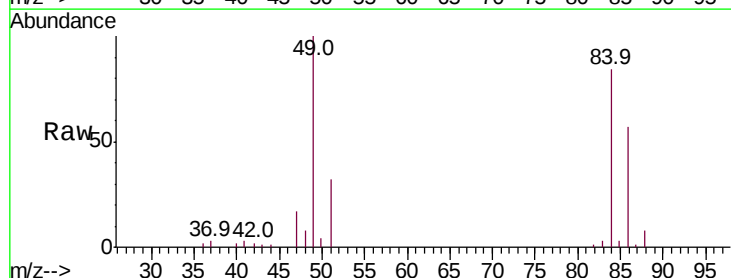
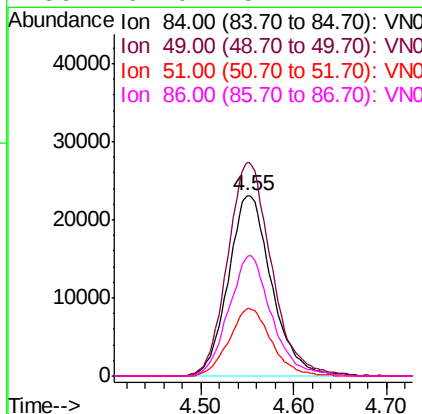
Manual Integrations
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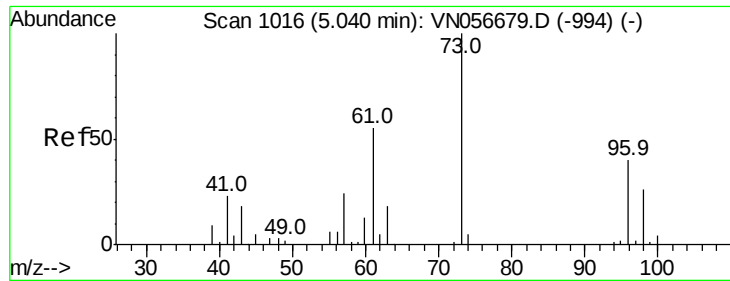
MMDadoda
7/16/2019 9:59:33 AM



#18
Methylene Chloride
Concen: 20.160 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.9	93.9	140.9
51	37.6	31.7	47.5
86	67.0	51.4	77.2





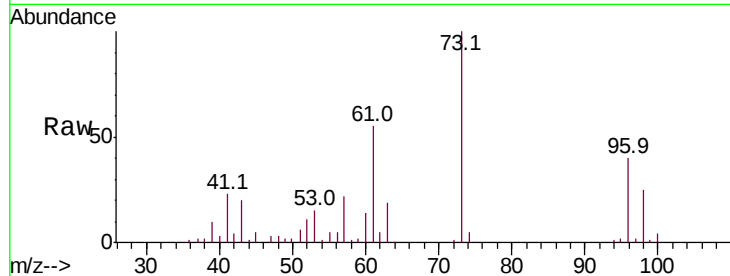
#19
trans-1,2-Dichloroethene
Concen: 19.937 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.7	109.6	164.4
98	62.9	51.4	77.2

Manual Integrations
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MMDadoda
7/16/2019 9:59:33 AM

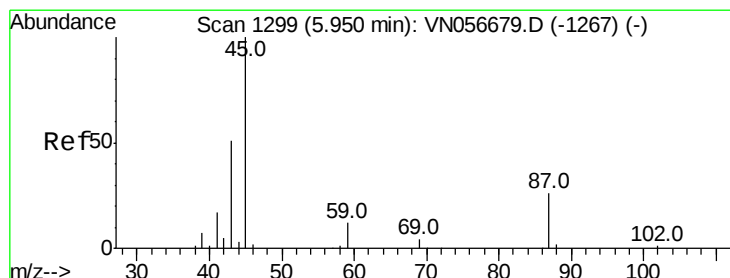
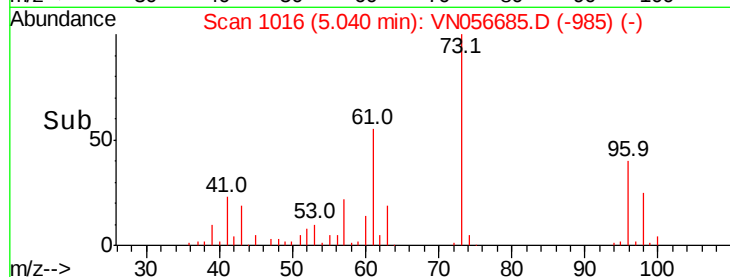
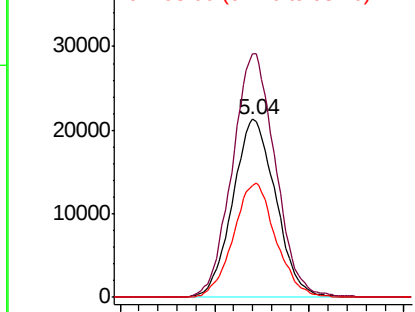


Abundance

Ion 96.00 (95.70 to 96.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 98.00 (97.70 to 98.70): VNC



#20
Diisopropyl ether
Concen: 20.149 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.3	50.3	75.5
87	27.6	21.4	32.0
59	11.5	9.7	14.5

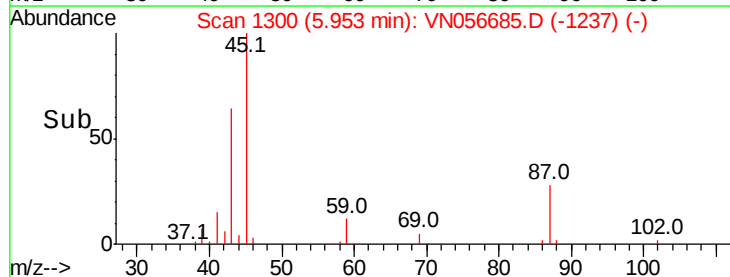
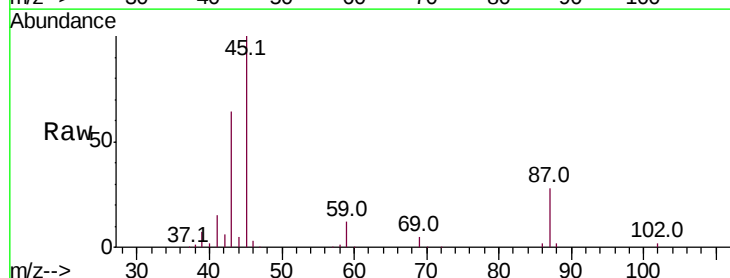
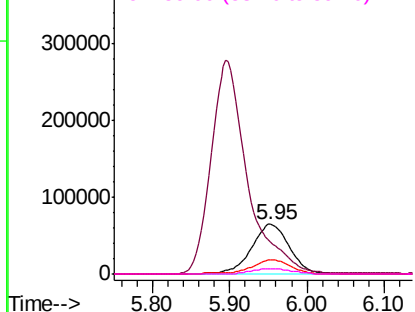
Abundance

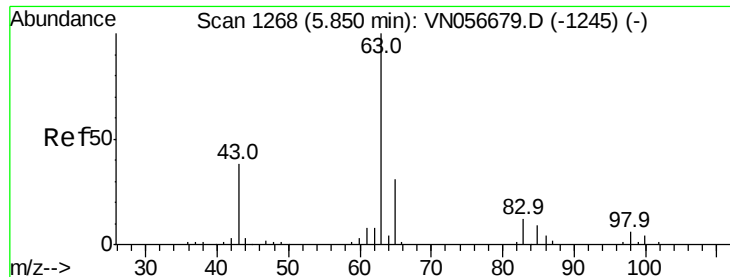
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





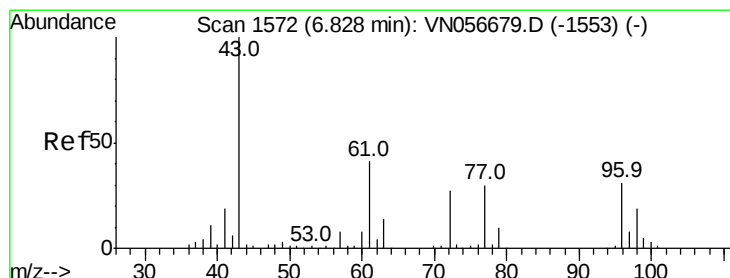
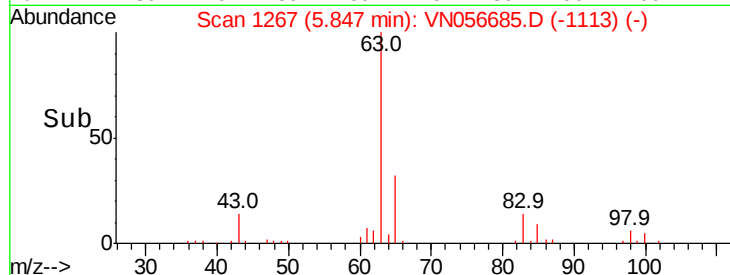
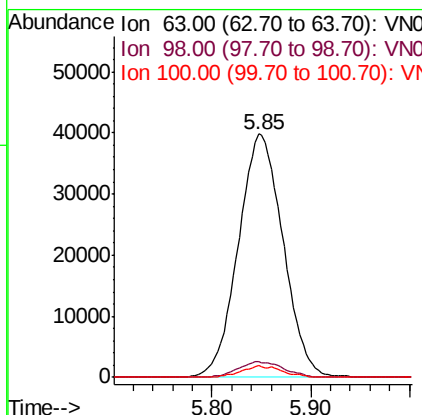
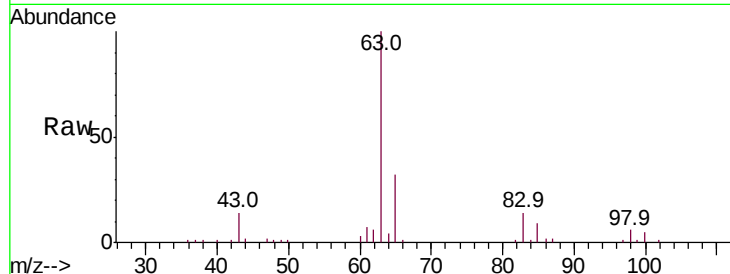
#21
 1,1-Dichloroethane
 Concen: 19.890 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

Tot Ion	Ratio	Resp	Lower	Upper
63	100	125007		
98	6.4		3.3	9.8
100	4.8		2.1	6.3

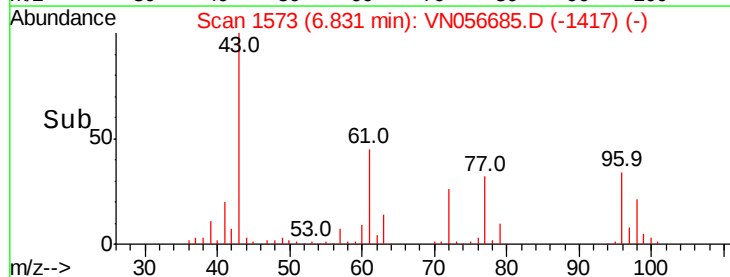
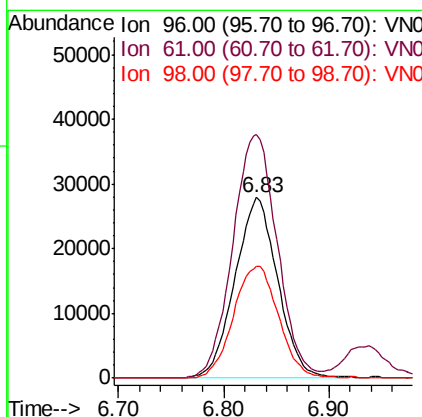
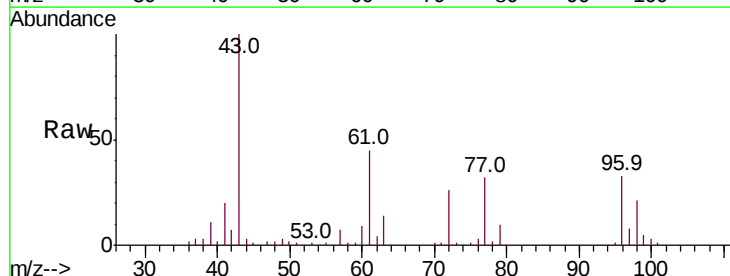
Manual Integrations
 APPROVED

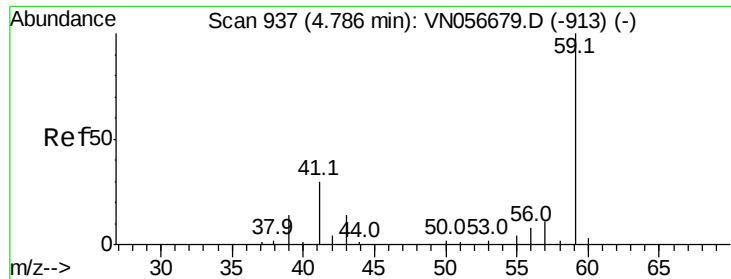
MMDadoda
 7/16/2019 9:59:33 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.899 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	78611		
61	140.4		112.1	168.1
98	65.3		52.2	78.2





#23

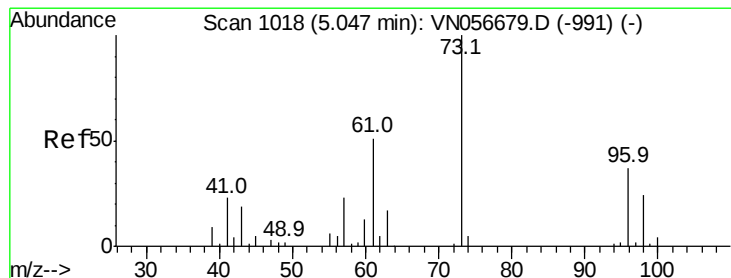
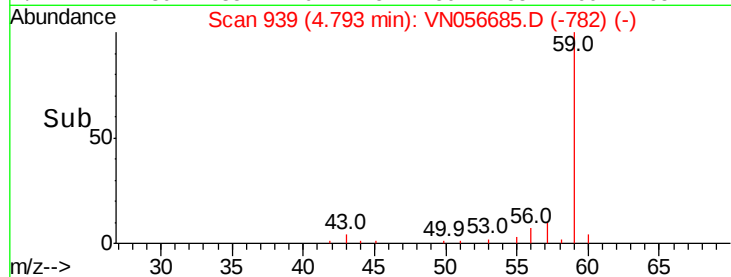
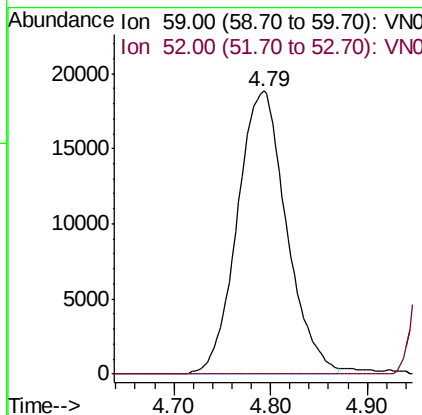
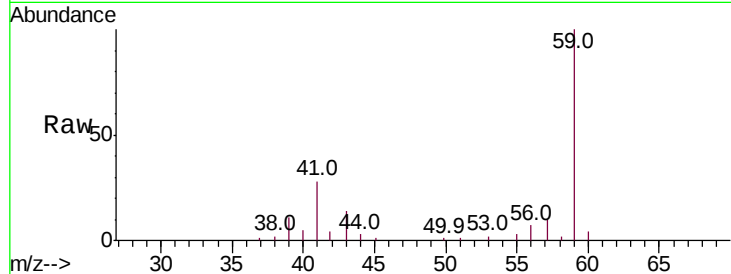
tert-Butyl Alcohol
 Concen: 102.509 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

Tot Ion: 59 Resp: 66544
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

Manual Integrations
 APPROVED

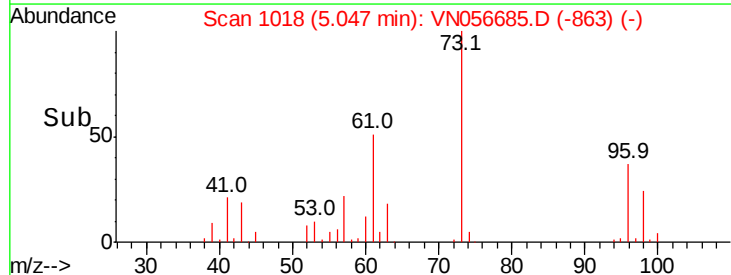
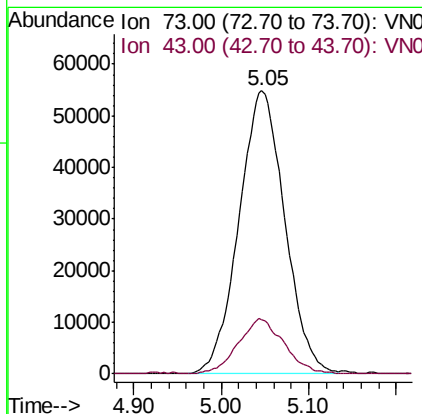
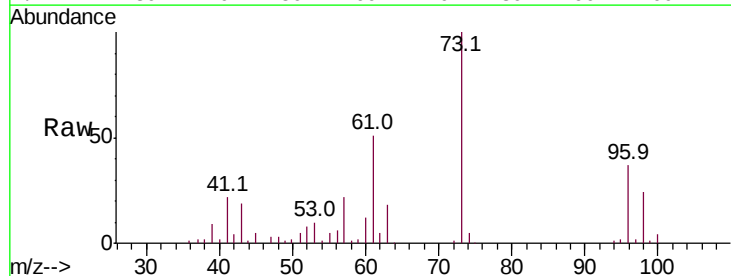
MMDadoda
 7/16/2019 9:59:33 AM

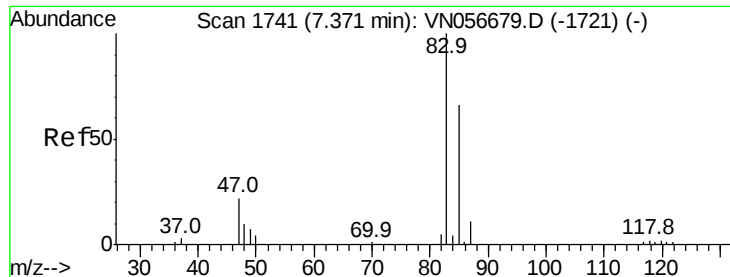


#24

Methyl tert-Butyl Ether
 Concen: 19.808 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion: 73 Resp: 199383
 Ion Ratio Lower Upper
 73 100
 43 19.5 15.1 22.7





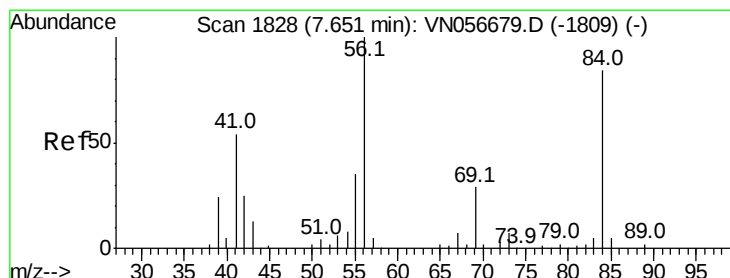
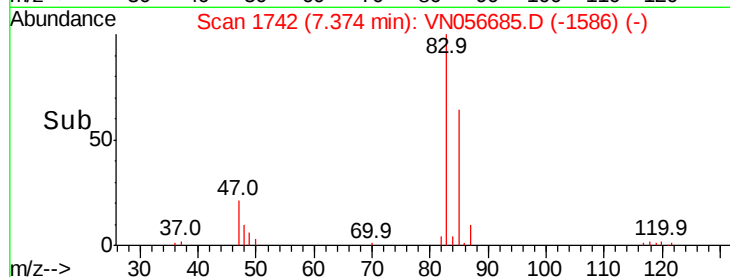
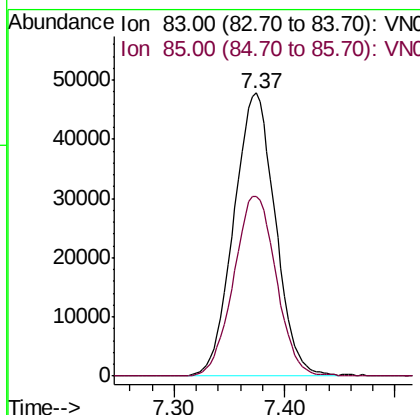
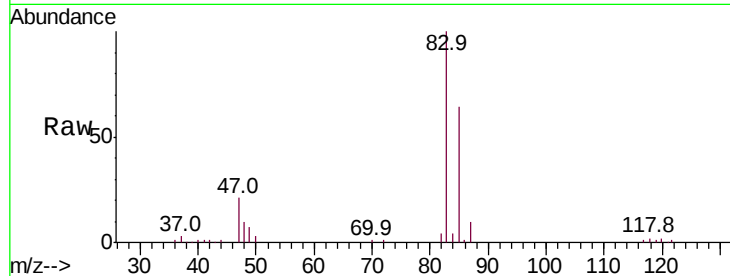
#25
Chloroform
Concen: 20.339 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion: 83 Resp: 124536
Ion Ratio Lower Upper
83 100
85 63.6 52.6 79.0

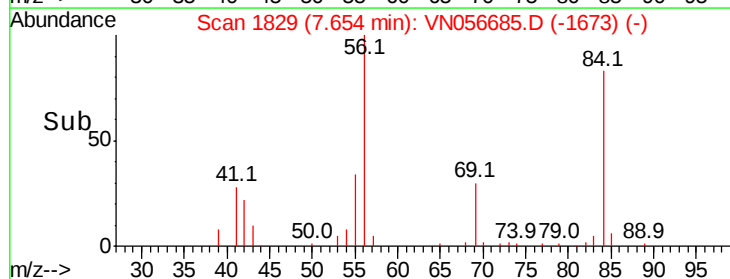
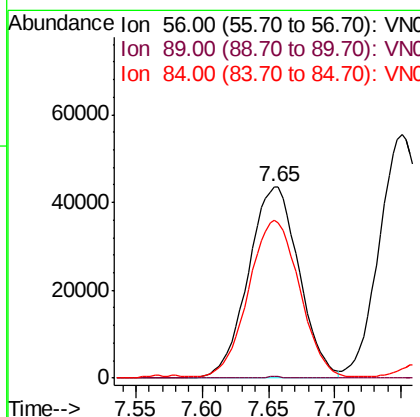
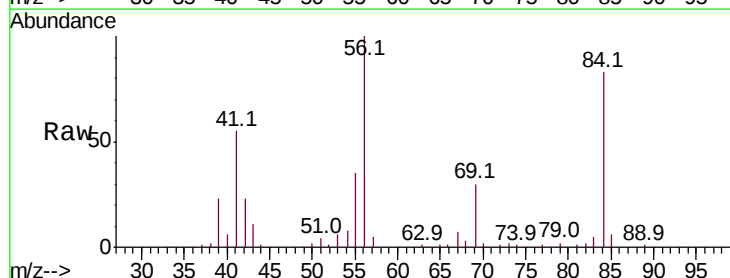
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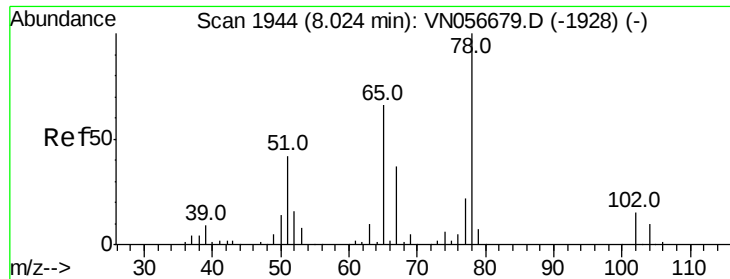
MMDadoda
7/16/2019 9:59:33 AM



#26
Cyclohexane
Concen: 19.855 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion: 56 Resp: 115992
Ion Ratio Lower Upper
56 100
89 0.2 1.4 2.2#
84 82.2 68.2 102.4





#27

1,2-Dichloroethane-d4

Concen: 29.260 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Tot Ion: 65 Resp: 106053

Ion Ratio Lower Upper

65 100

67 56.6 43.4 65.0

Instrument :

MSVOA_N

ClientSampleId :

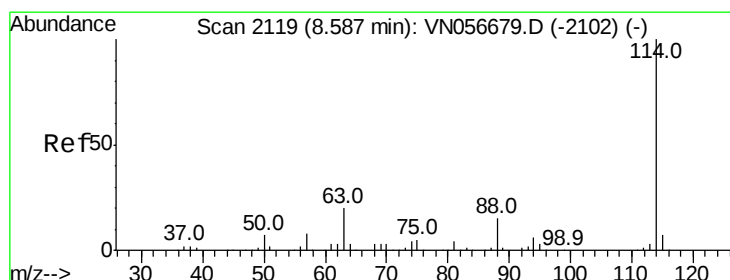
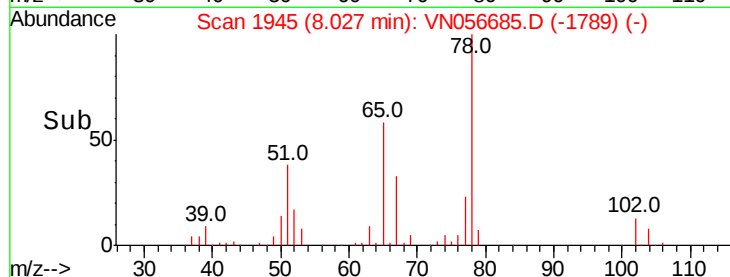
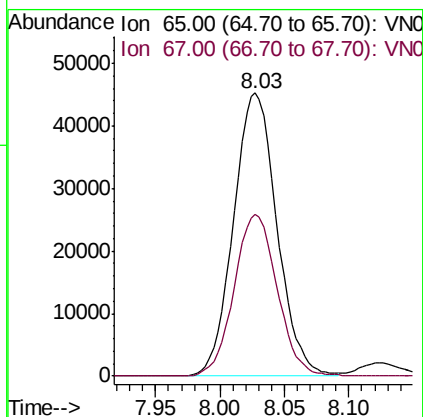
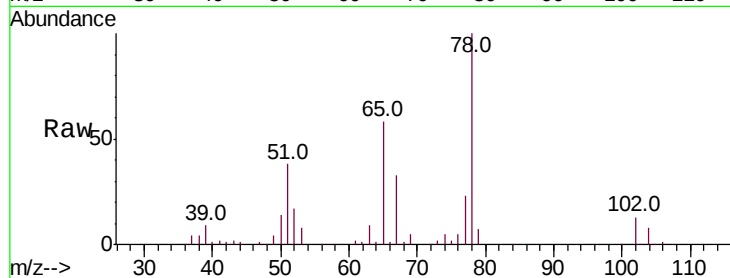
ICVVN071319

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

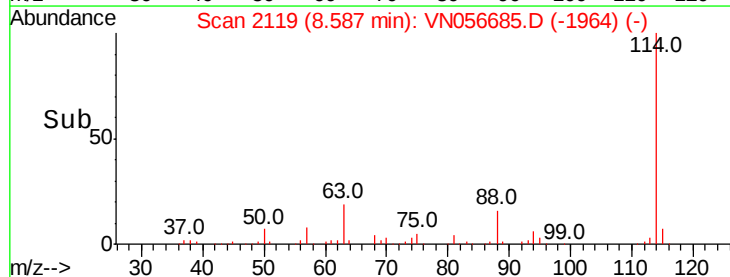
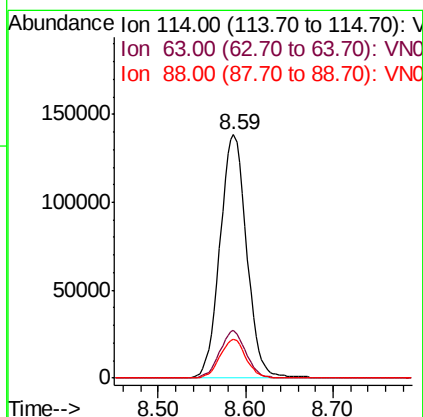
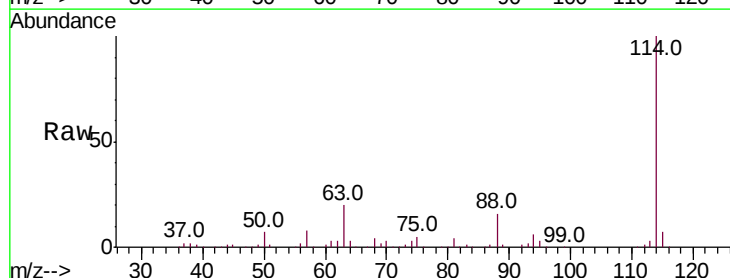
Tgt Ion: 114 Resp: 293821

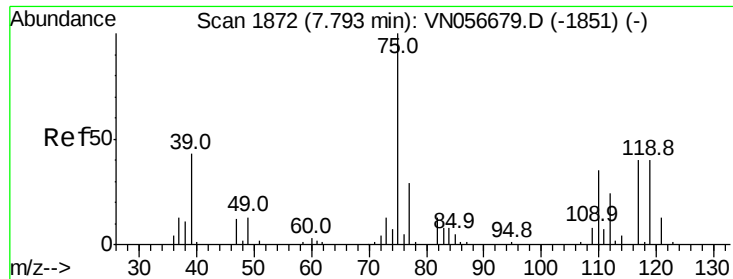
Ion Ratio Lower Upper

114 100

63 19.2 16.2 24.2

88 15.5 12.3 18.5





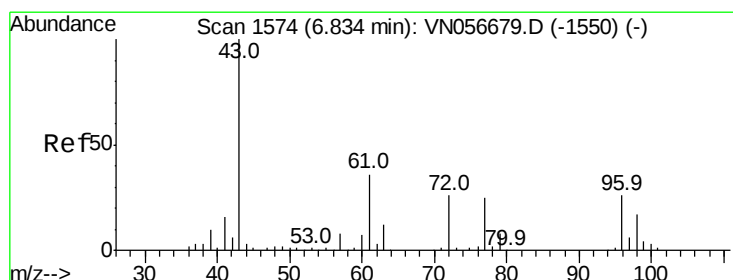
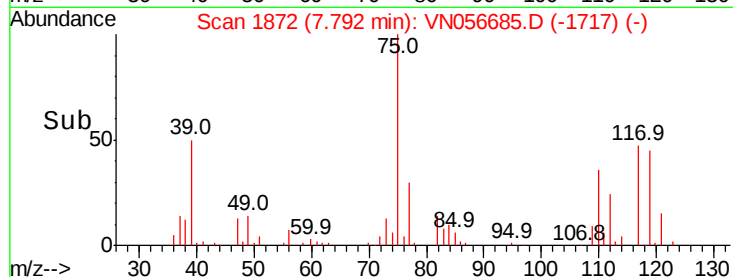
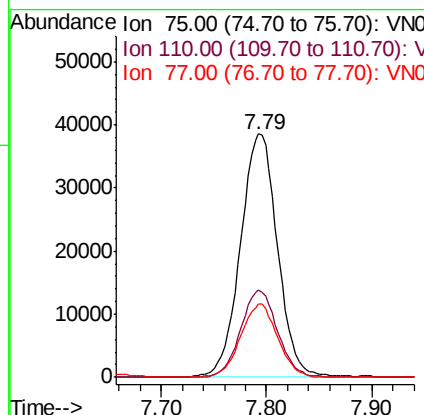
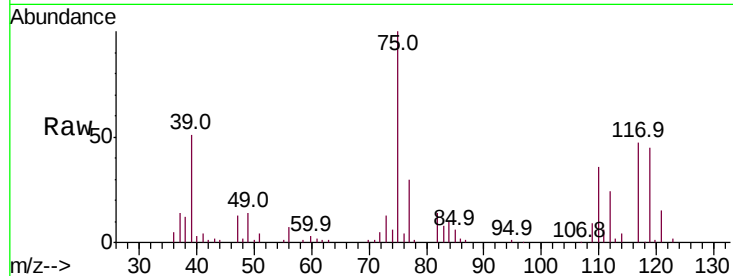
#29
 1,1-Dichloropropene
 Concen: 20.191 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.5	0.0	72.4
77	30.2	0.0	62.2

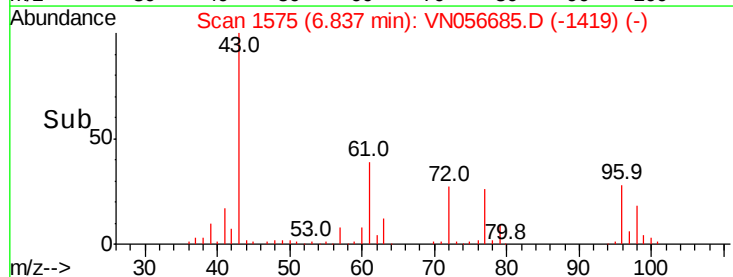
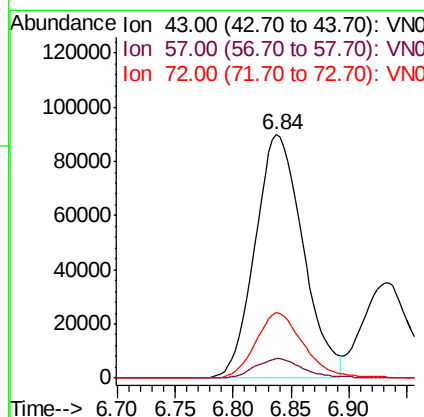
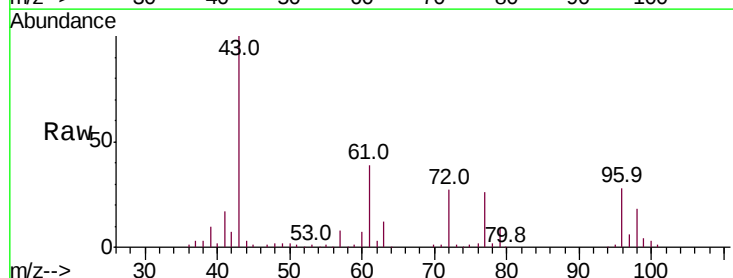
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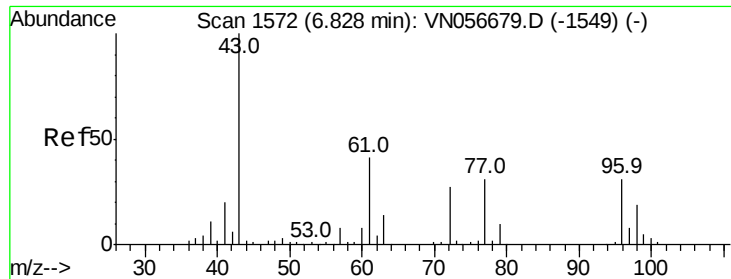
MMDadoda
 7/16/2019 9:59:33 AM



#30
 2-Butanone
 Concen: 95.051 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.6	10.0
72	27.2	21.3	31.9





#31

2,2-Dichloropropane

Concen: 19.642 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071319

Tot Ion: 77 Resp: 88786

Ion Ratio Lower Upper

77 100

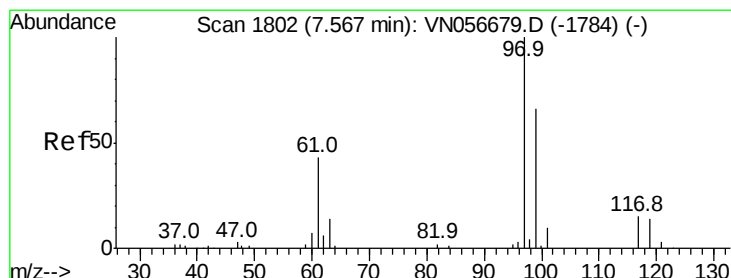
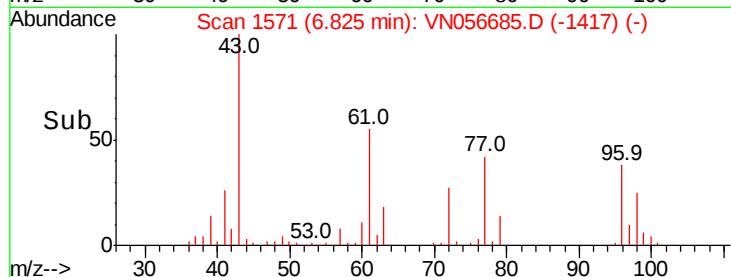
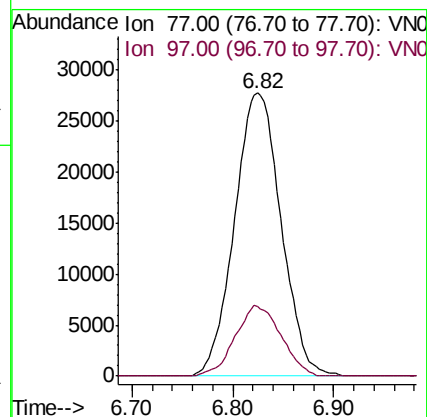
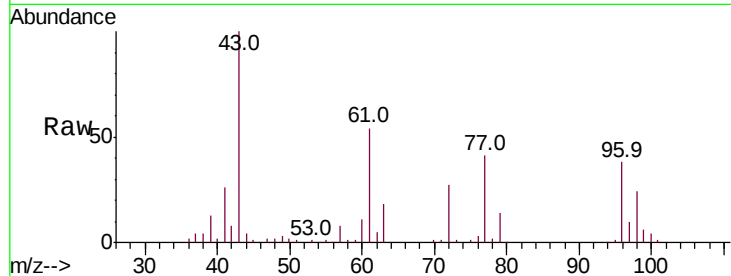
97 24.5 19.7 29.5

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#32

1,1,1-Trichloroethane

Concen: 19.998 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

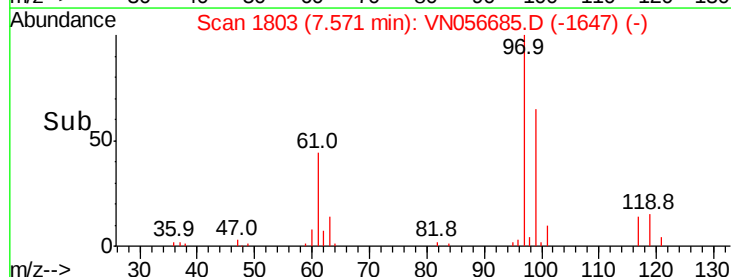
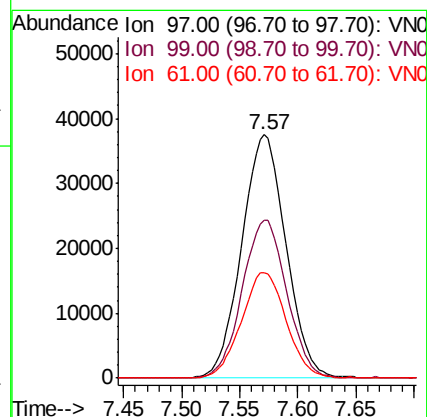
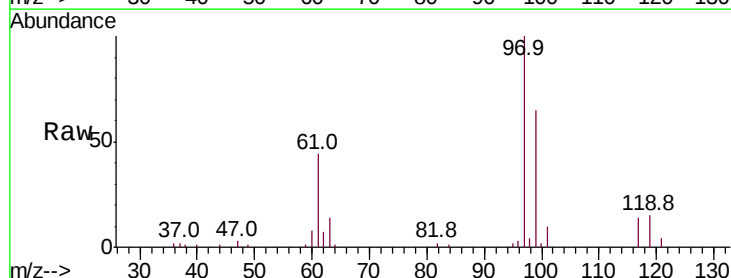
Tgt Ion: 97 Resp: 99559

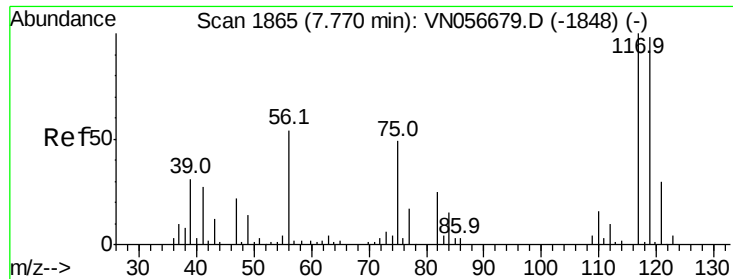
Ion Ratio Lower Upper

97 100

99 65.4 52.0 78.0

61 43.7 34.4 51.6





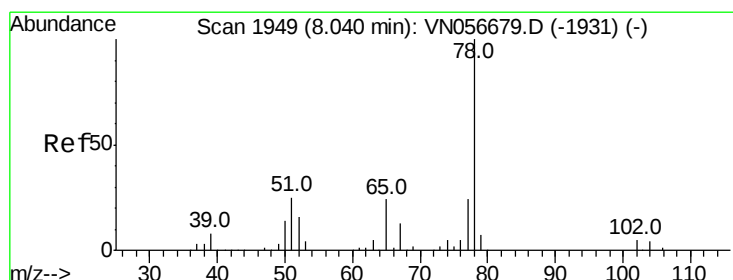
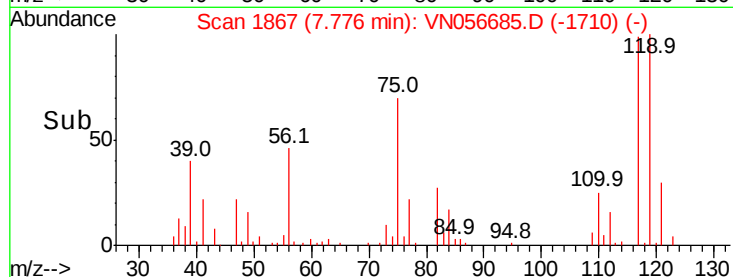
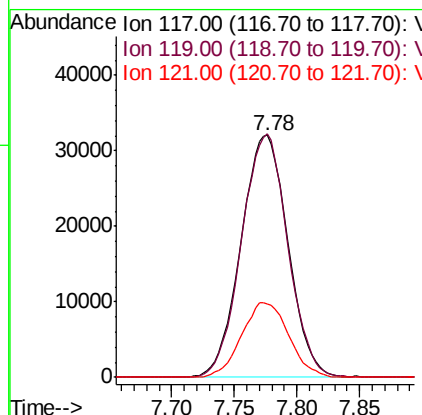
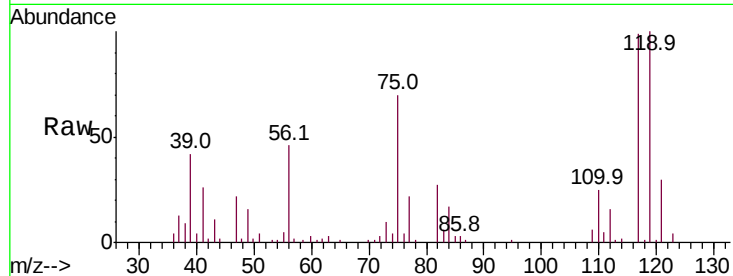
#33
Carbon Tetrachloride
Concen: 19.470 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion	Ratio	Lower	Upper
117	100		
119	100.6	78.7	118.1
121	30.5	24.0	36.0

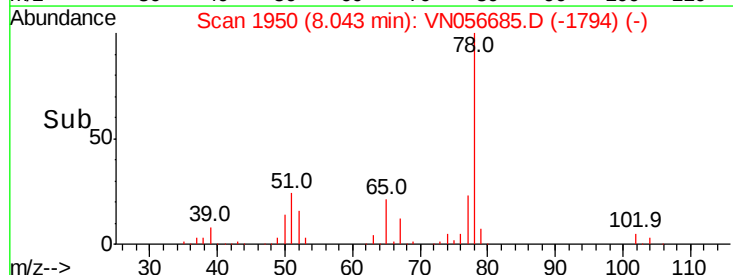
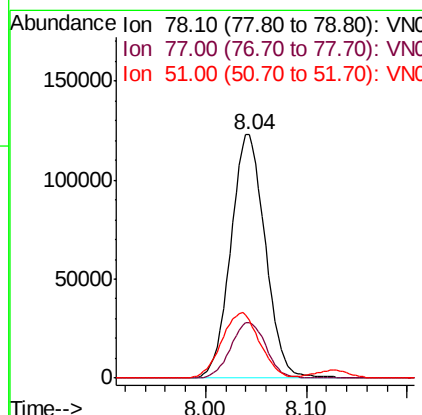
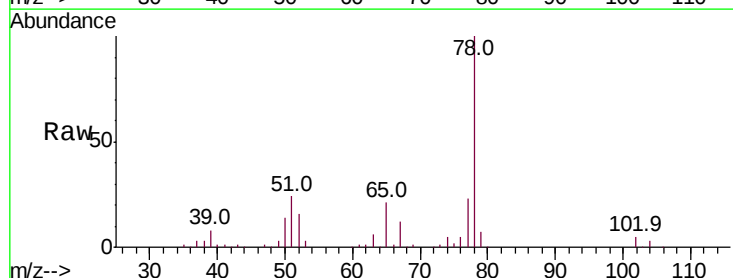
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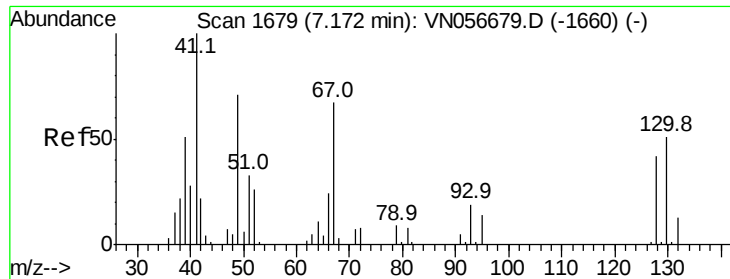
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#34
Benzene
Concen: 20.353 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4
51	23.8	19.7	29.5





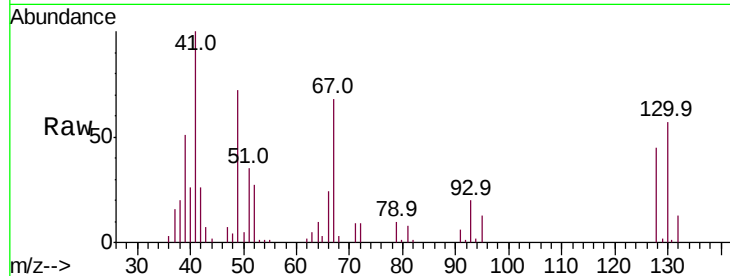
#35
Methacrylonitrile
Concen: 16.749 ug/l m
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.5	25.4	76.2
67	68.1	33.6	100.8
52	26.6	12.9	38.7

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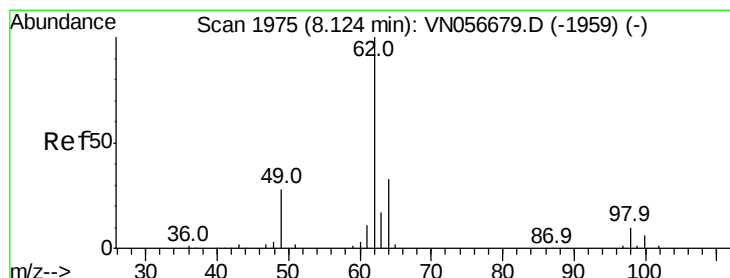
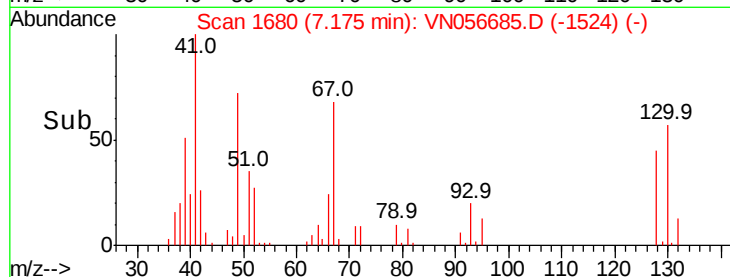
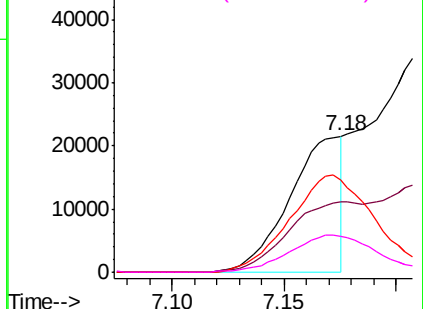
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

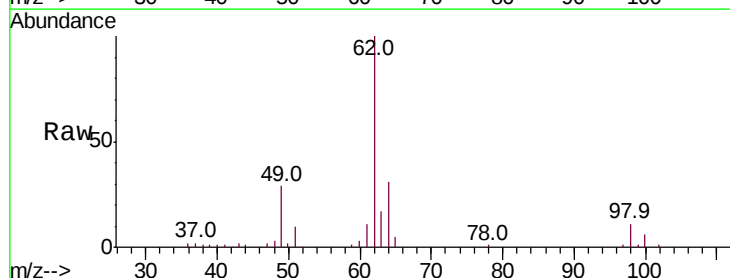
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 20.257 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

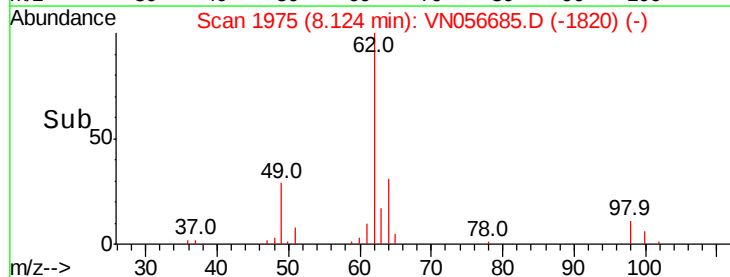
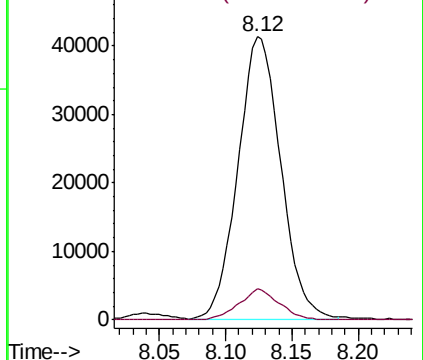
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	7.7	11.5

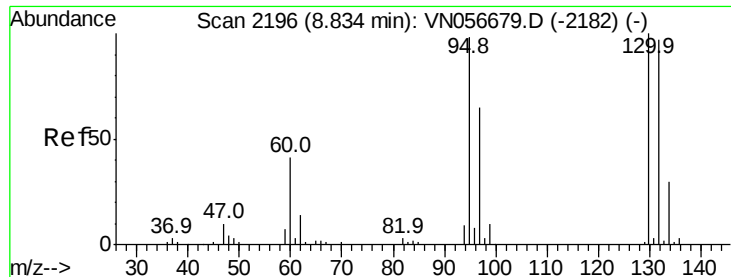


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





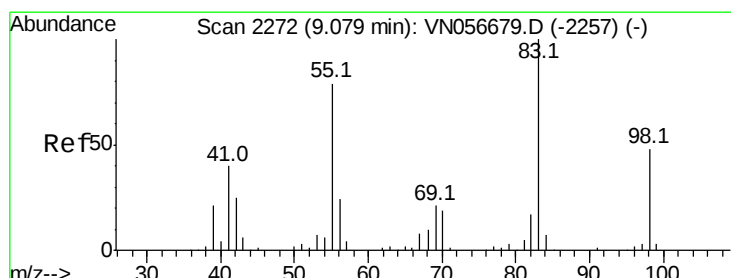
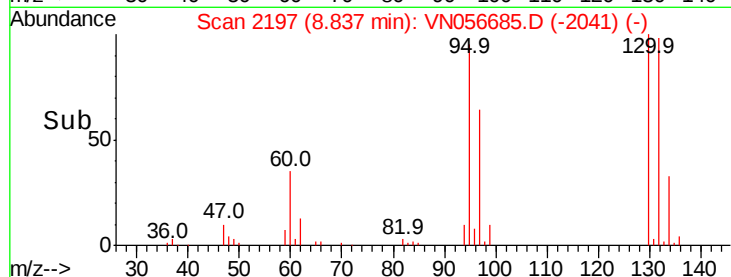
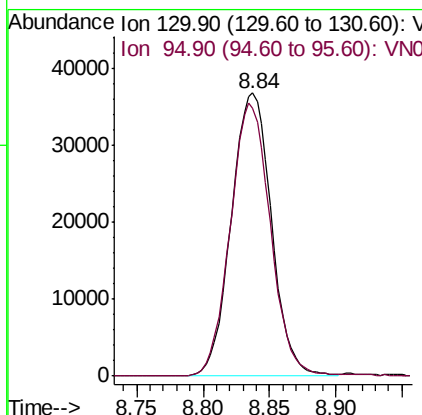
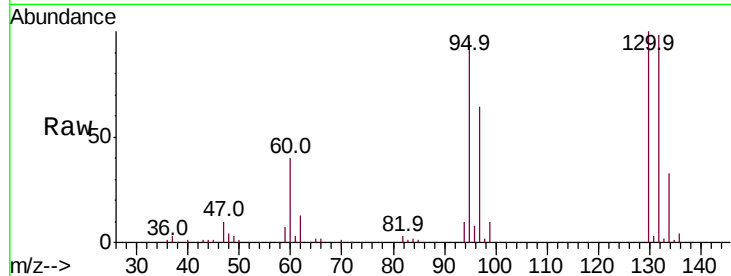
#37
 Trichloroethene
 Concen: 19.895 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

Tot Ion:130 Resp: 77537
 Ion Ratio Lower Upper
 130 100
 95 94.9 78.4 117.6

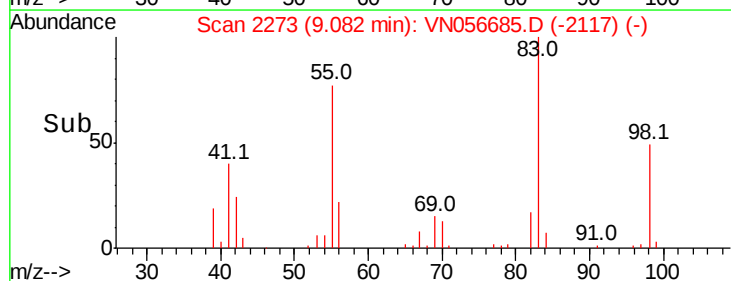
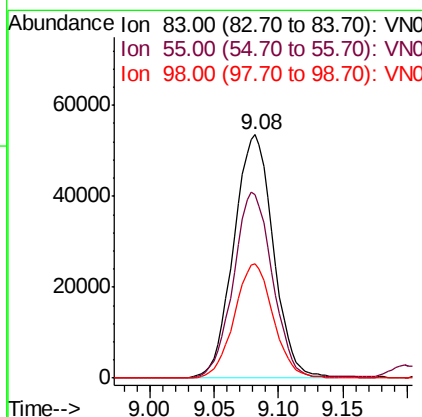
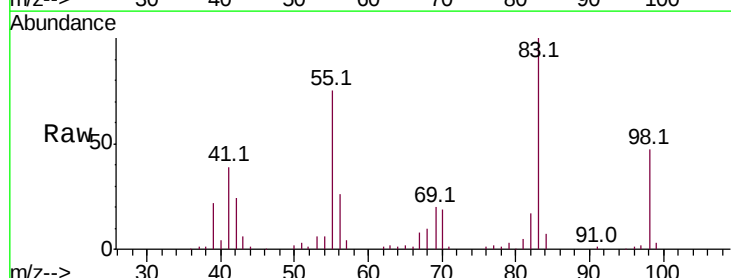
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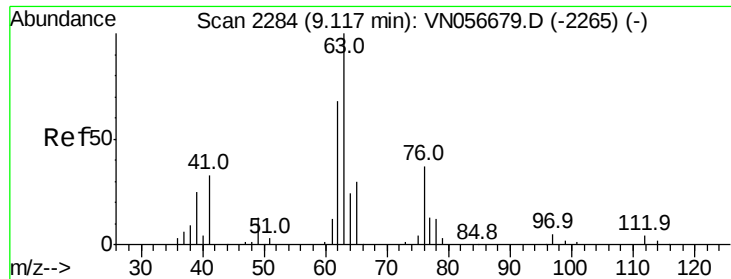
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#38
 Methylcyclohexane
 Concen: 19.372 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion: 83 Resp: 114301
 Ion Ratio Lower Upper
 83 100
 55 75.3 38.4 115.2
 98 46.2 23.3 69.9





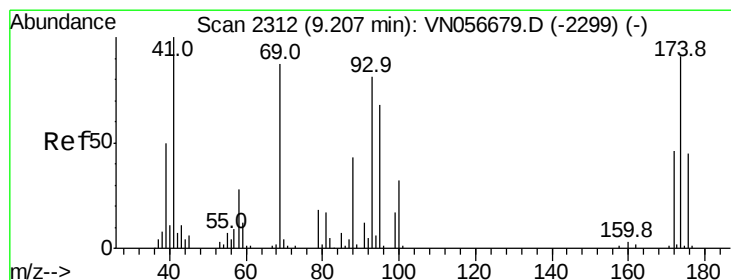
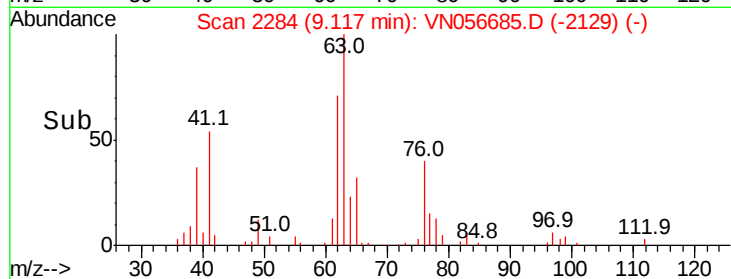
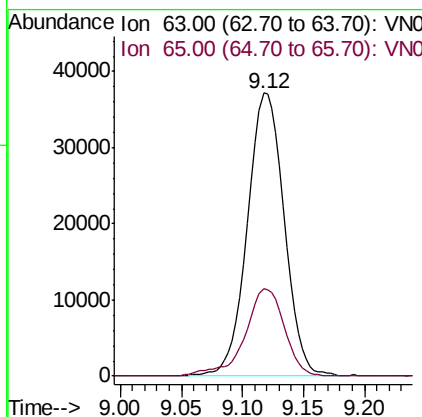
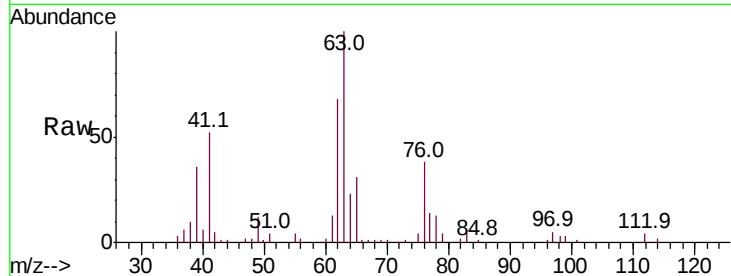
#39
 1,2-Dichloropropane
 Concen: 20.151 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

Tot Ion: 63 Resp: 77618
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 36.8

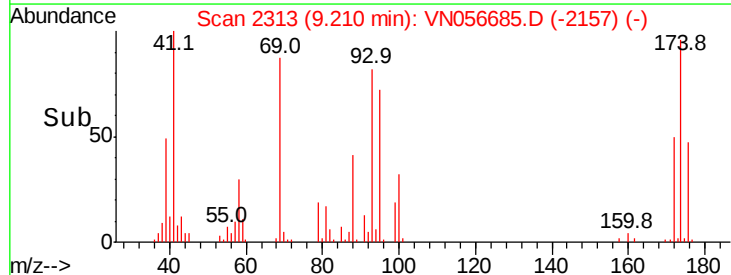
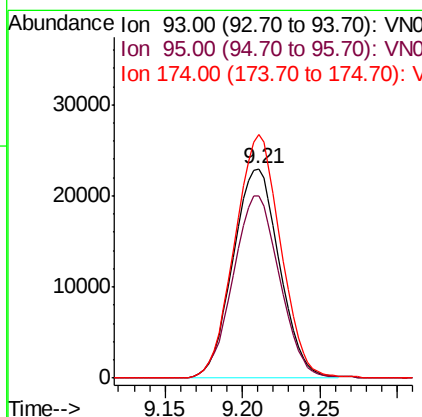
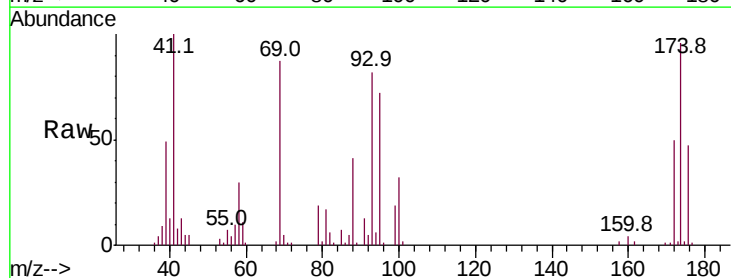
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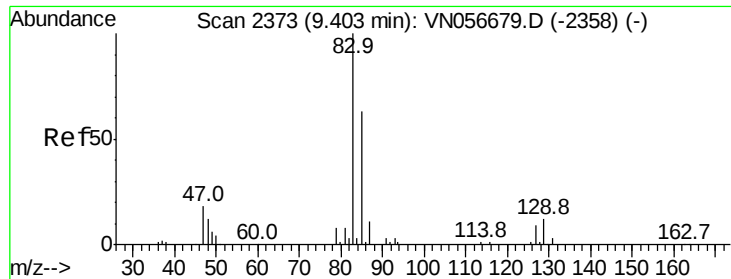
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#40
 Dibromomethane
 Concen: 19.635 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion: 93 Resp: 48174
 Ion Ratio Lower Upper
 93 100
 95 86.7 0.0 167.0
 174 114.6 0.0 224.2





#41

Bromodichloromethane

Concen: 19.786 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

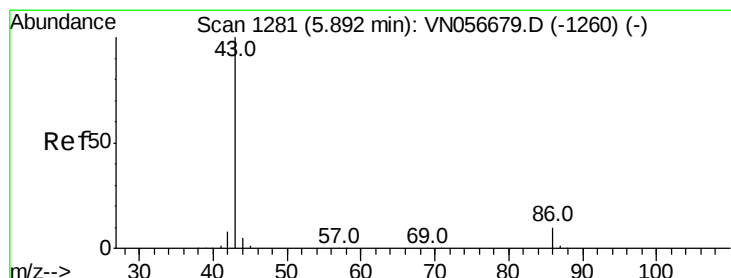
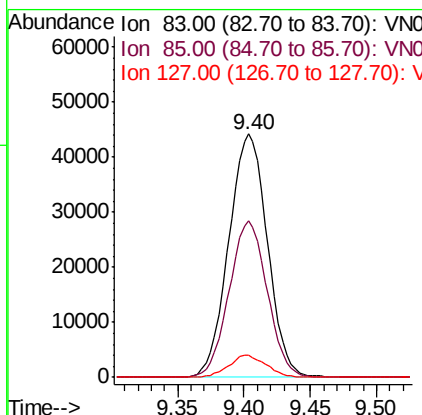
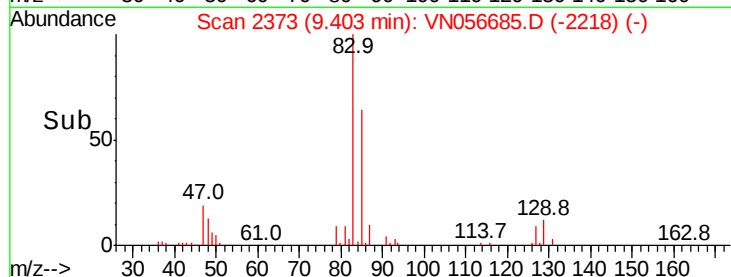
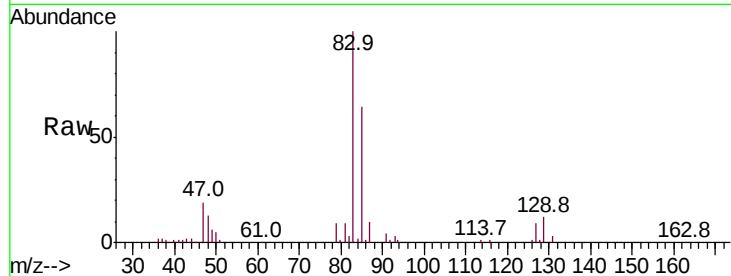
ClientSampleId :

ICVVN071319

Tot Ion:	83	Resp:	89467
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.1	75.1
127	9.2	7.0	10.4

Manual Integrations
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MMDadoda
7/16/2019 9:59:33 AM



#42

Vinyl Acetate

Concen: 101.766 ug/l

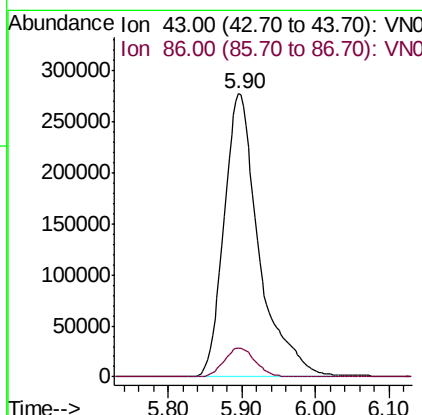
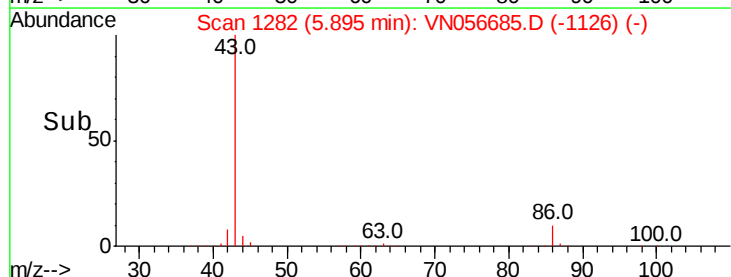
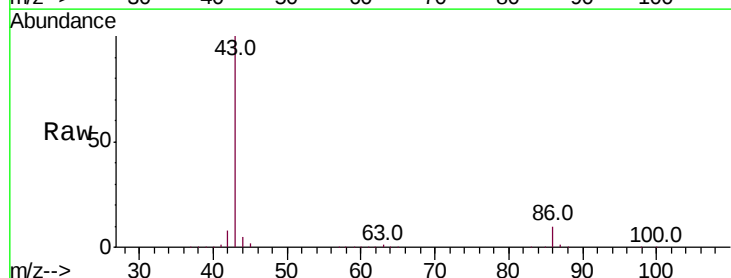
RT: 5.90 min Scan# 1282

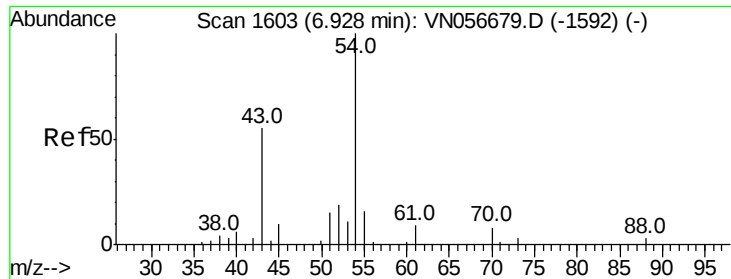
Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Tgt Ion:	43	Resp:	915866
Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.4	11.2





#43

Ethyl Acetate

Concen: 20.055 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.01 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071319

Tot Ion: 43 Resp: 97999

Ion Ratio Lower Upper

43 100

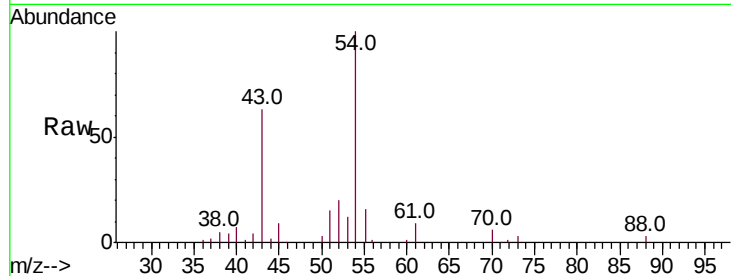
45 15.2 11.2 16.8

Manual Integrations

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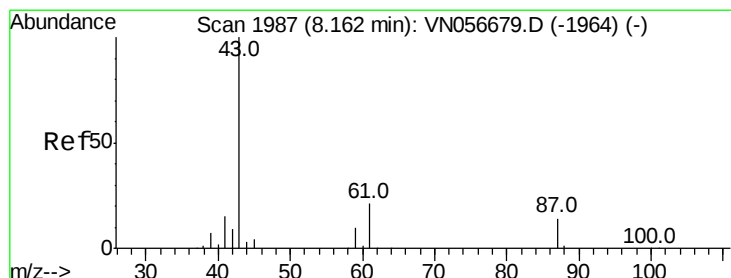
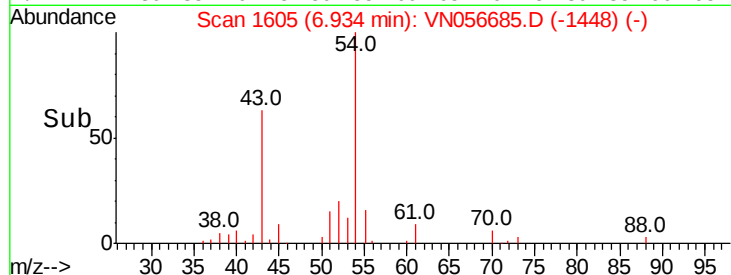
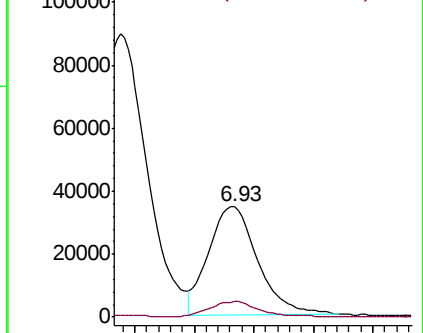
MMDadoda

7/16/2019 9:59:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.829 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056685.D

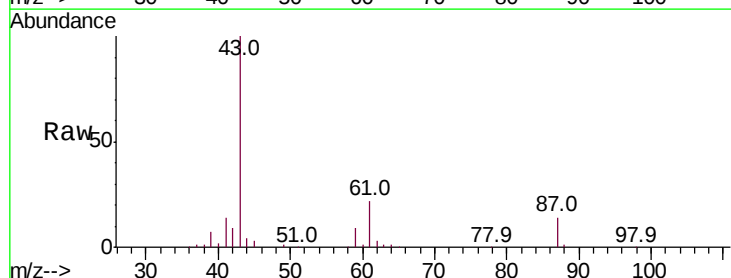
Acq: 12 Jul 2019 12:53

Tgt Ion: 43 Resp: 151129

Ion Ratio Lower Upper

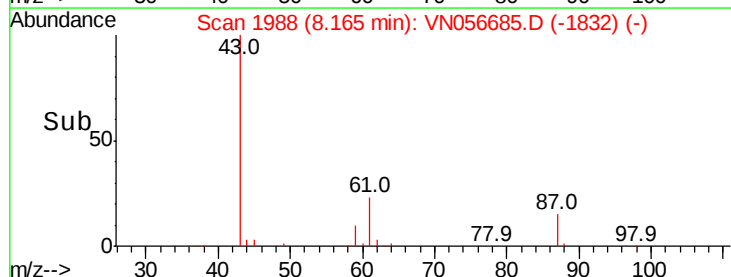
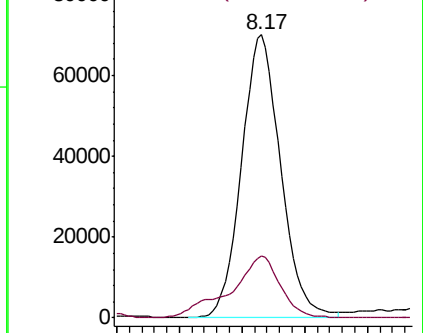
43 100

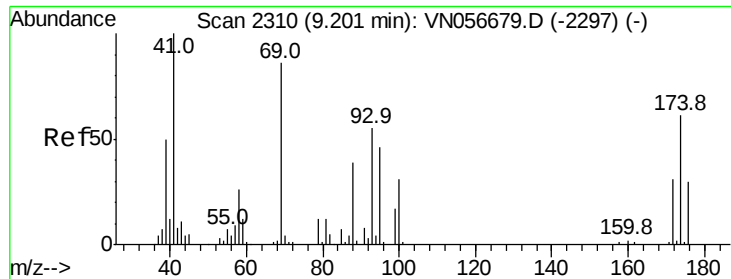
61 28.1 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





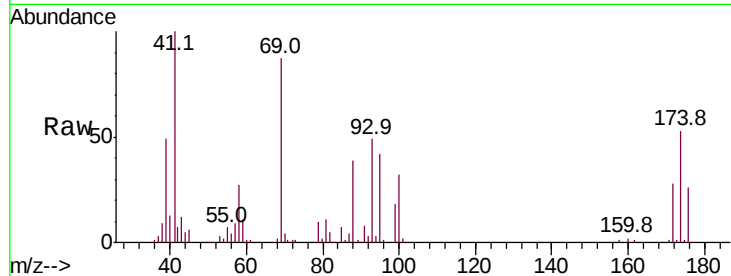
#45
 1,4-Dioxane
 Concen: 420.100 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

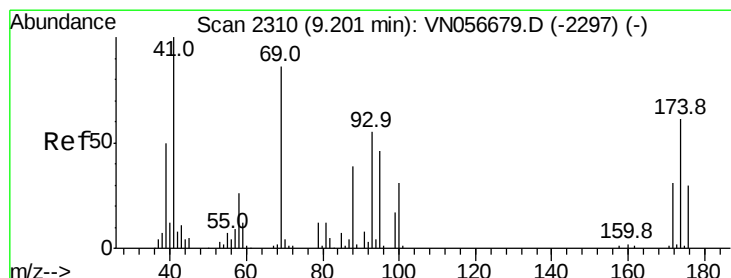
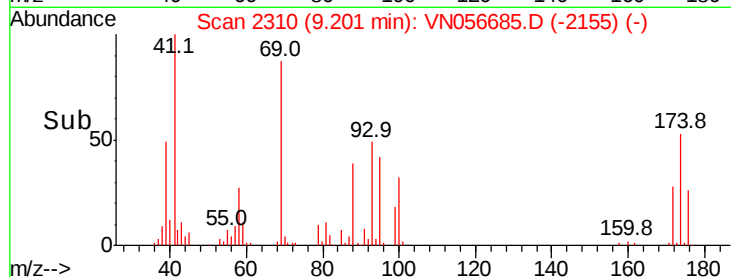
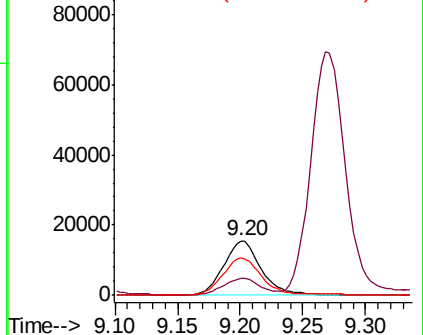
Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	23.0	34.6
58	69.3	54.6	81.8

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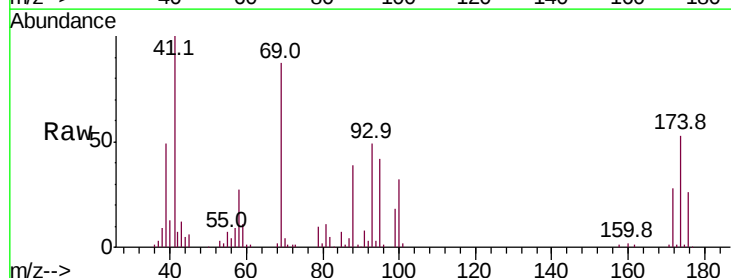


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

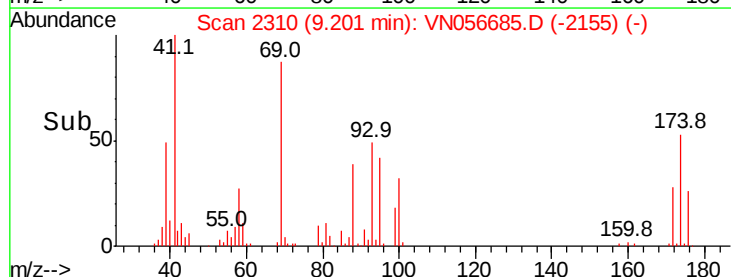
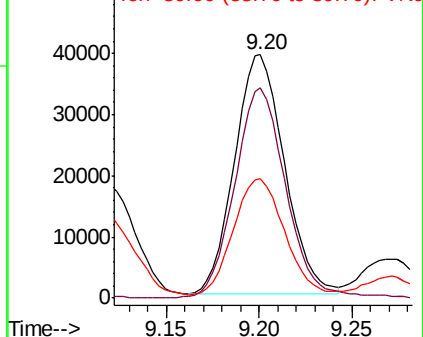


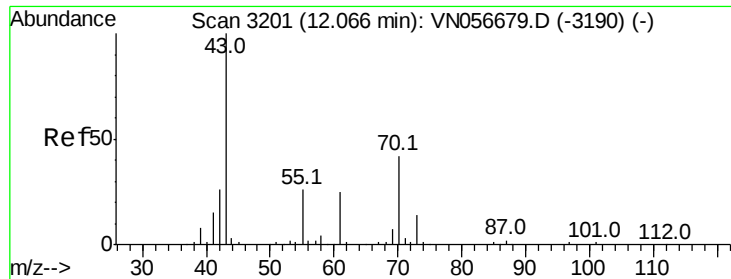
#46
 Methyl methacrylate
 Concen: 20.084 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.5	43.0	129.0
39	48.5	25.1	75.4



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





#47

n-amvl Acetate

Concen: 18.972 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071319

Tot Ion: 43 Resp: 118253

Ion Ratio Lower Upper

43 100

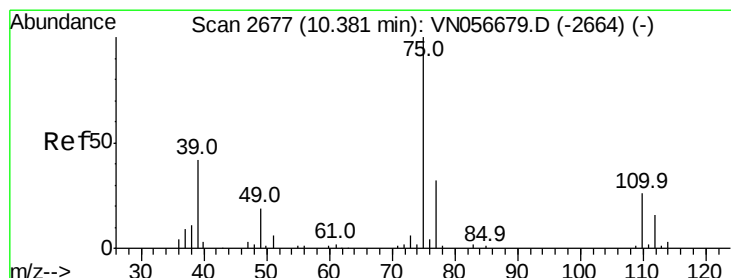
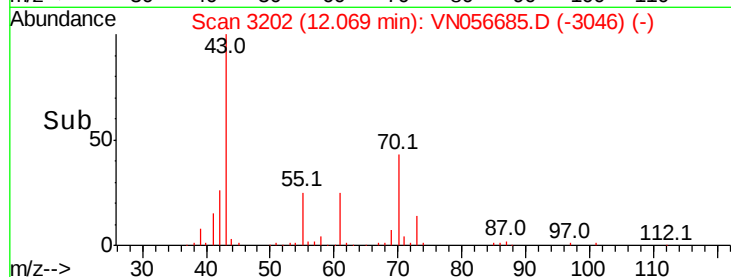
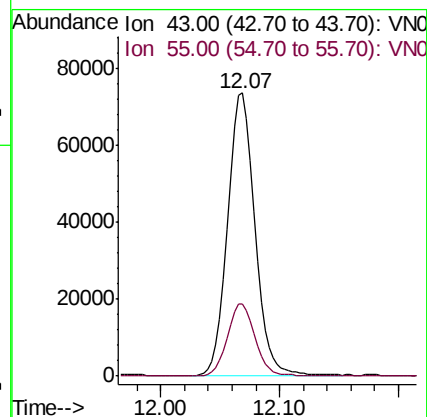
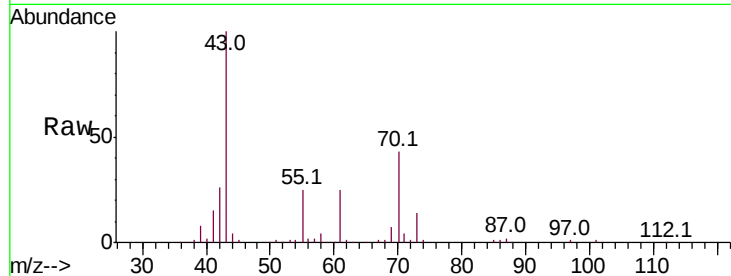
55 25.8 20.7 31.1

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#48

t-1,3-Dichloropropene

Concen: 19.091 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056685.D

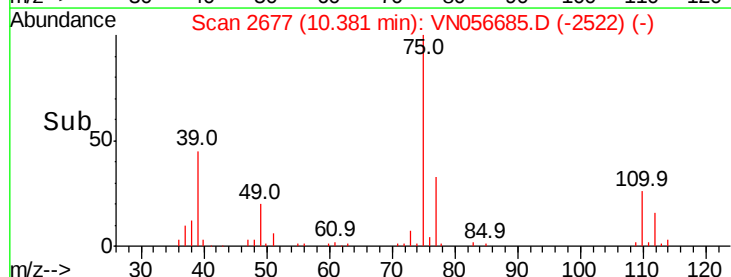
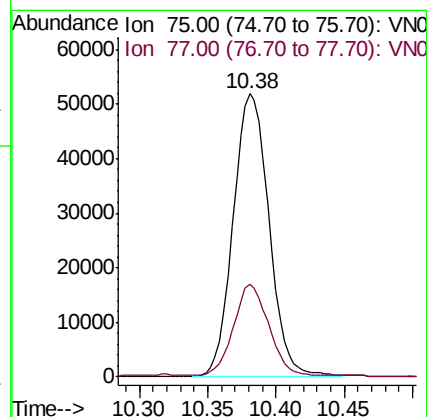
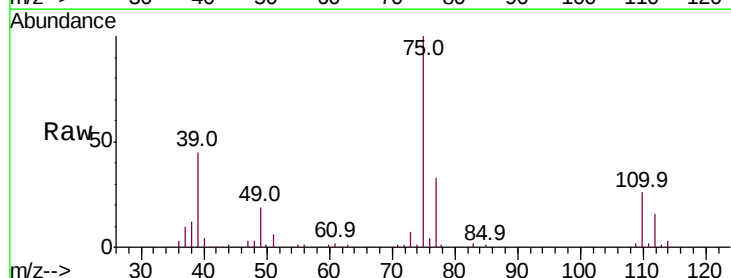
Acq: 12 Jul 2019 12:53

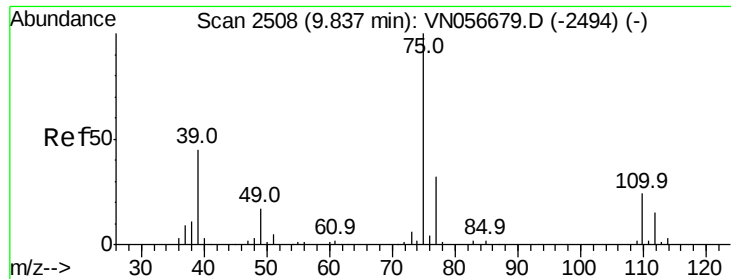
Tgt Ion: 75 Resp: 94953

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5





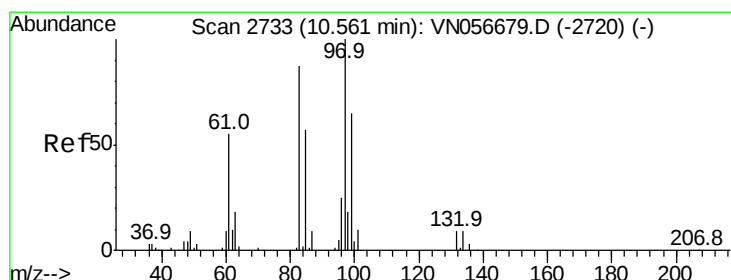
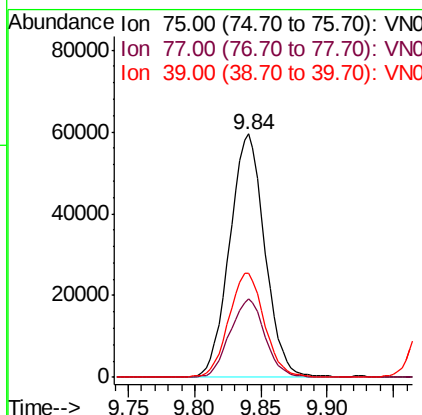
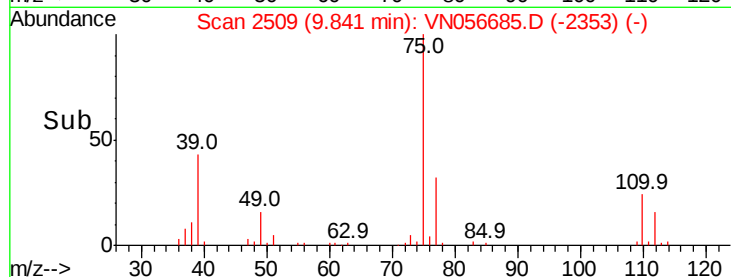
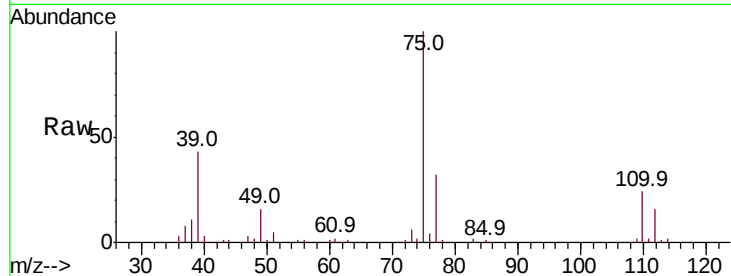
#49
 cis-1,3-Dichloropropene
 Concen: 19.611 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
77	32.0	26.0	39.0	
39	43.0	36.2	54.4	

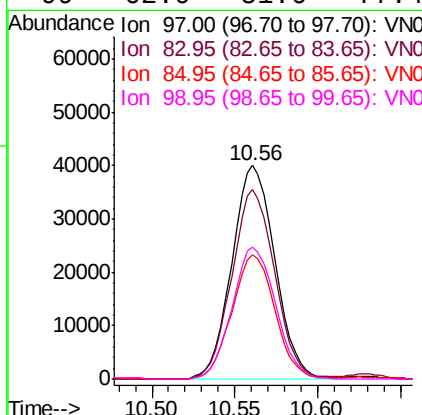
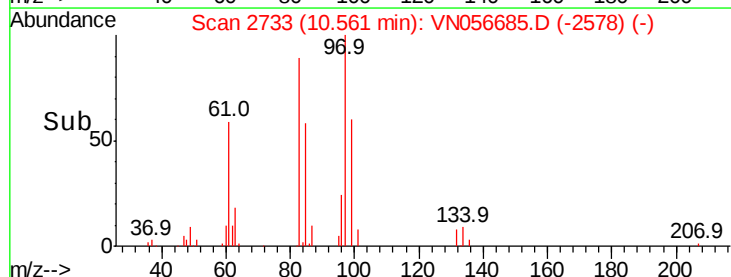
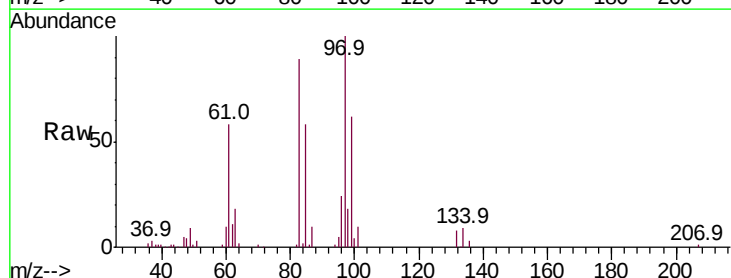
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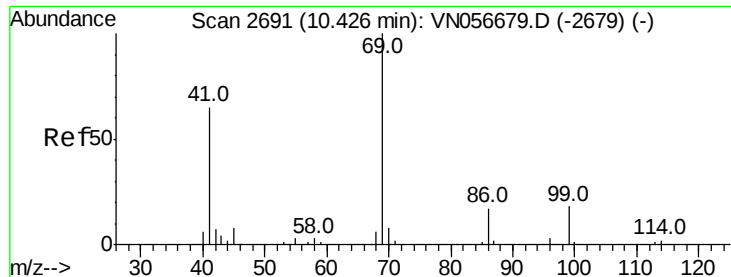
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#50
 1,1,2-Trichloroethane
 Concen: 20.225 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
83	88.9	69.2	103.8	
85	58.2	45.3	67.9	
99	62.0	51.6	77.4	





#51

Ethyl methacrylate

Concen: 19.973 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

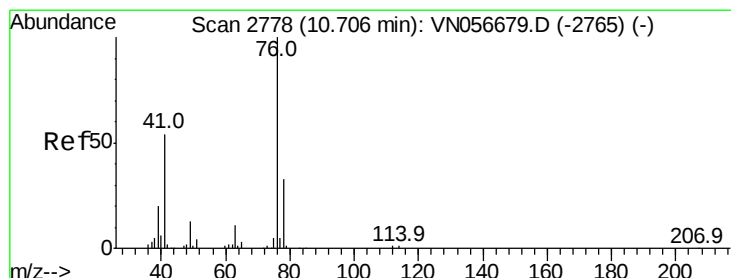
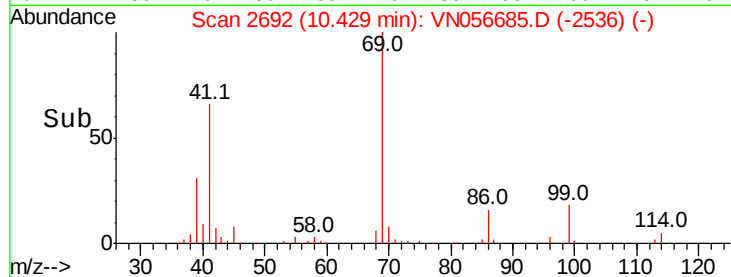
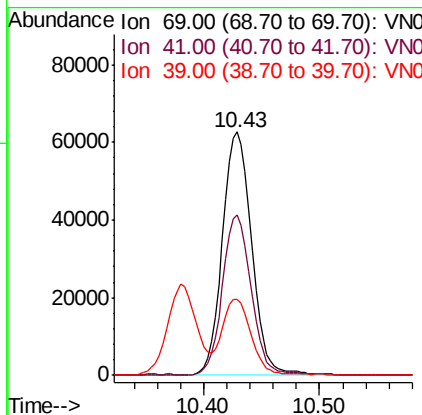
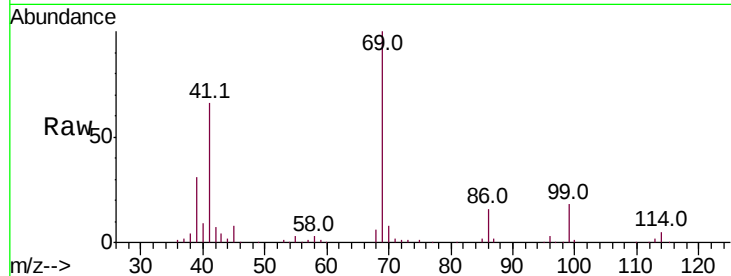
ClientSampleId :

ICVVN071319

Tot Ion:	69	Resp:	109813
Ion Ratio	Lower	Upper	
69	100		
41	65.4	32.8	98.3
39	30.9	15.4	46.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.106 ug/l

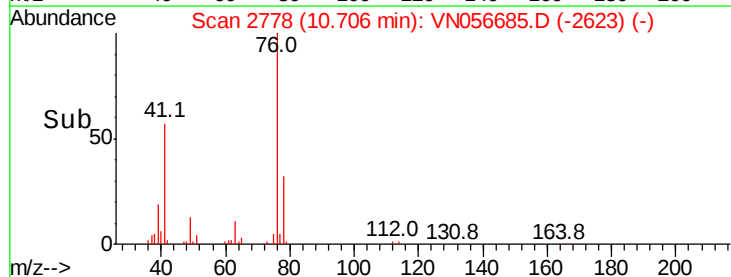
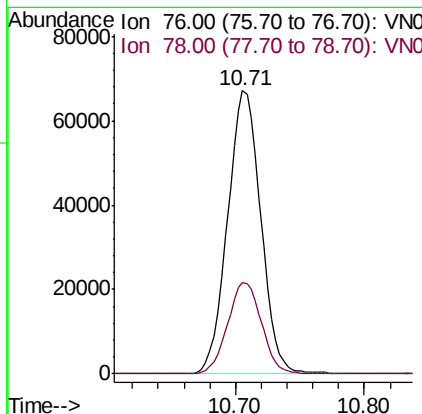
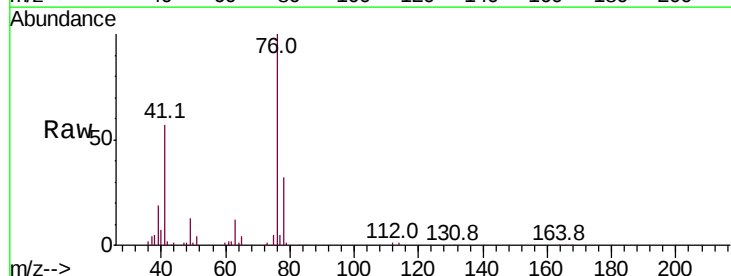
RT: 10.71 min Scan# 2778

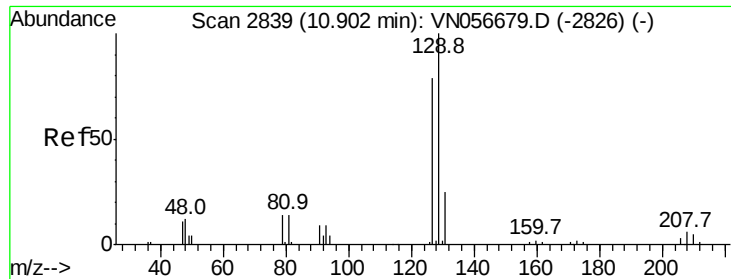
Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Tgt Ion:	76	Resp:	120248
Ion Ratio	Lower	Upper	
76	100		
78	32.9	0.0	63.6





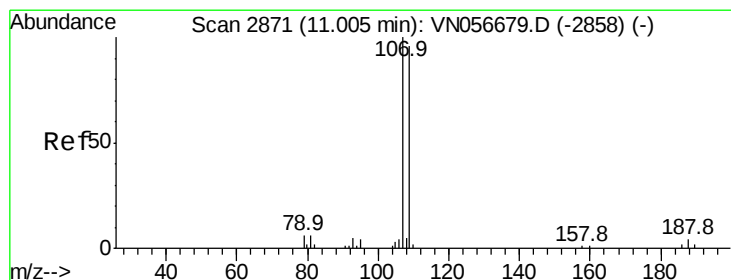
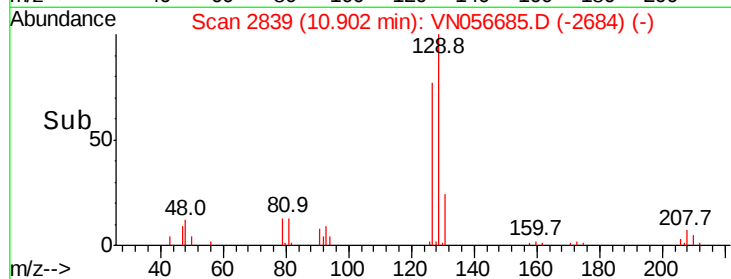
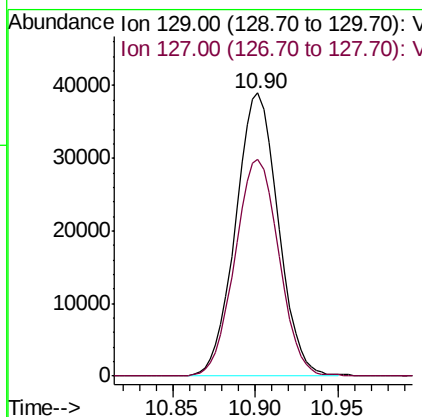
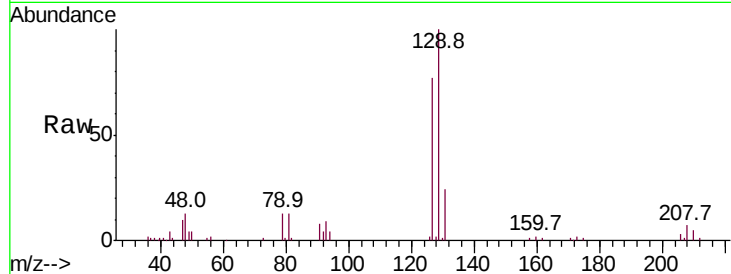
#53
Dibromochloromethane
Concen: 19.305 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion:129 Resp: 69741
Ion Ratio Lower Upper
129 100
127 78.9 38.7 116.1

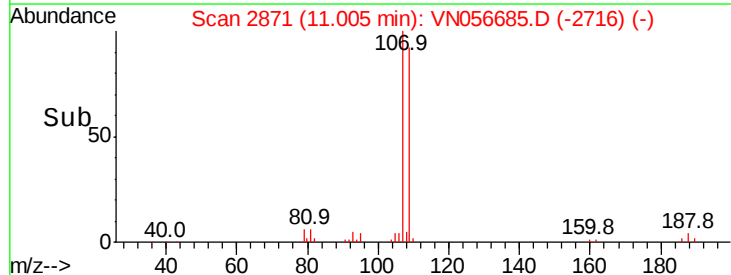
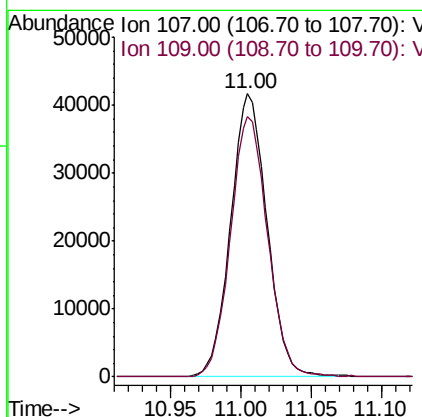
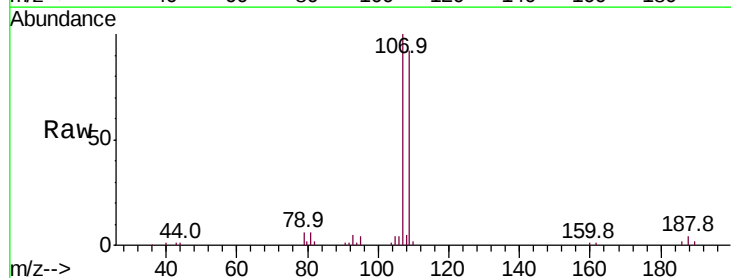
Manual Integrations
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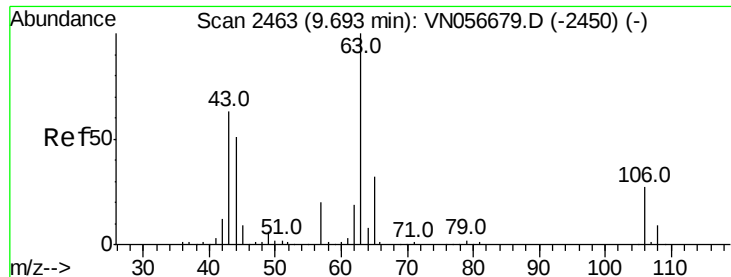
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#54
1,2-Dibromoethane
Concen: 20.274 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion:107 Resp: 75317
Ion Ratio Lower Upper
107 100
109 94.0 77.9 116.9





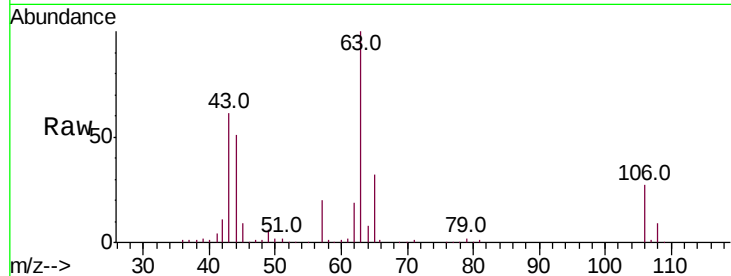
#55
2-Chloroethyl vinyl ether
Concen: 97.350 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.2	37.8
106	26.6	21.6	32.4

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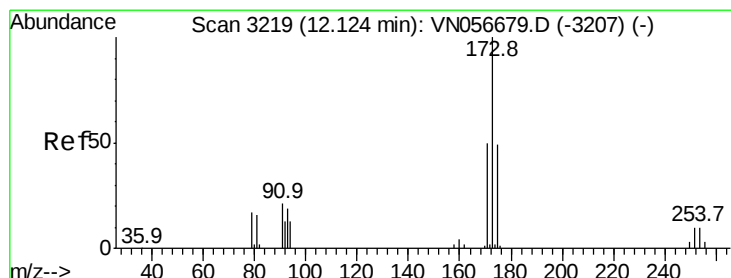
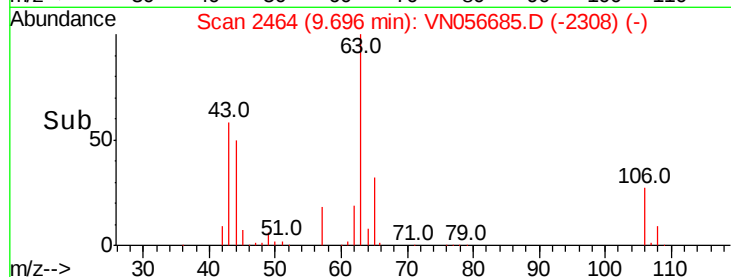
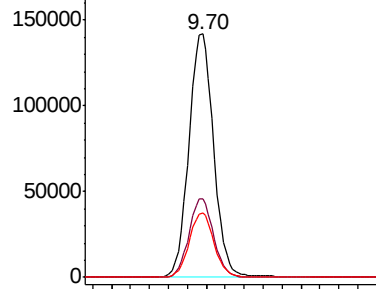


Abundance

Ion 63.00 (62.70 to 63.70): VN056679.D (-2450) (-)

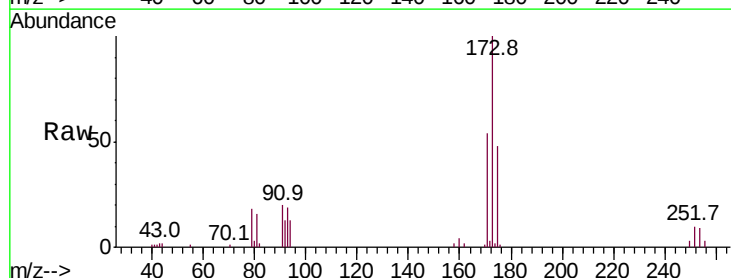
Ion 65.00 (64.70 to 65.70): VN056679.D (-2450) (-)

Ion 106.00 (105.70 to 106.70): VN056679.D (-2450) (-)



#56
Bromoform
Concen: 18.592 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.7	59.5
254	9.4	7.8	11.8

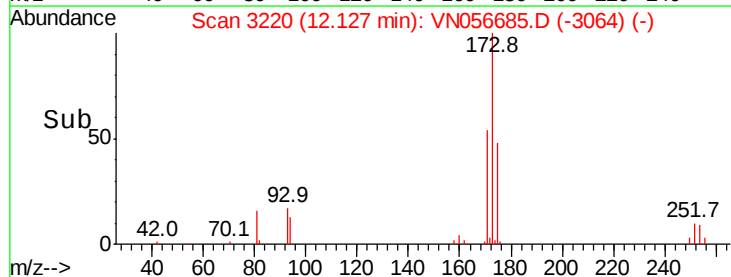
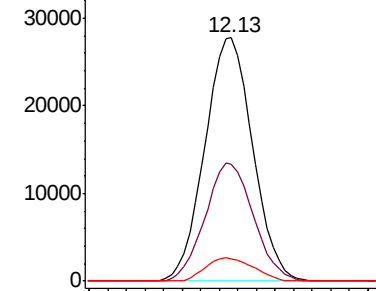


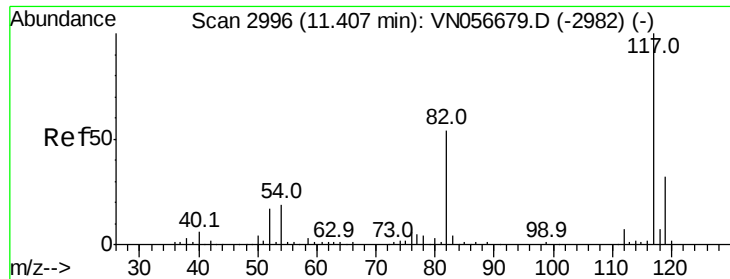
Abundance

Ion 173.00 (172.70 to 173.70): VN056679.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN056679.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN056679.D (-3207) (-)





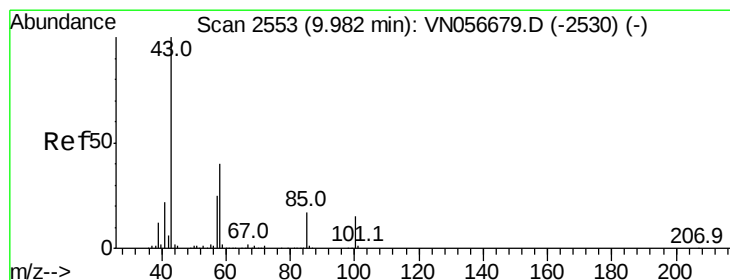
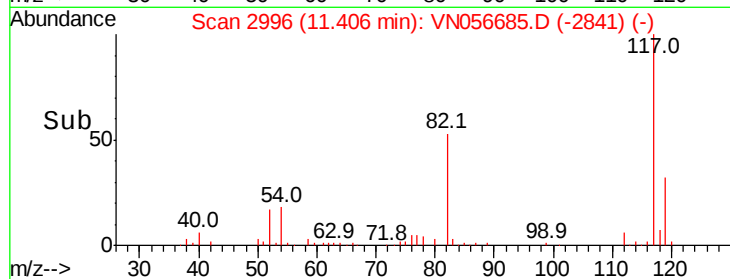
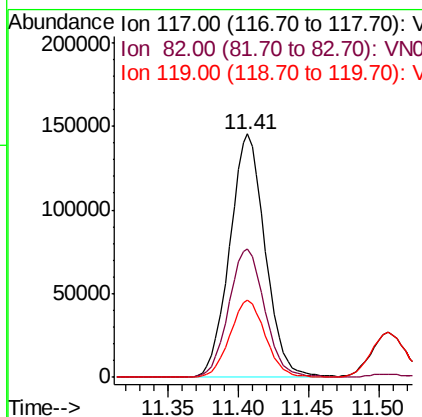
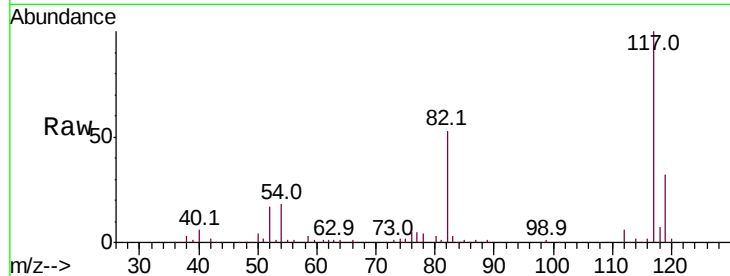
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion	Ratio	Resp	Lower	Upper
117	100	255694		
82	53.3	43.0	64.4	
119	31.8	26.0	39.0	

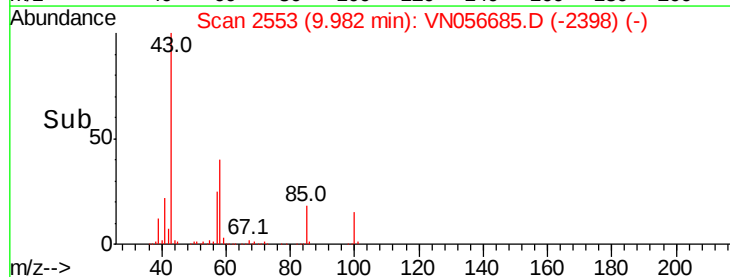
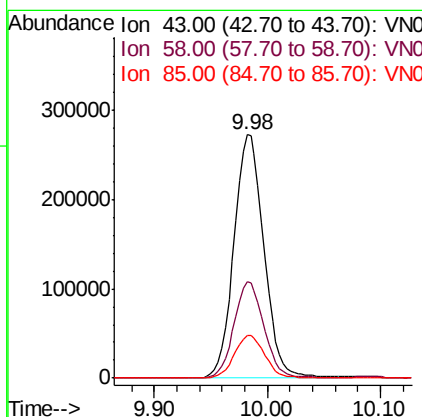
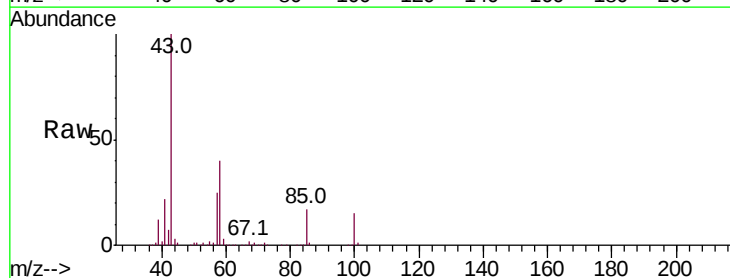
Manual Integrations
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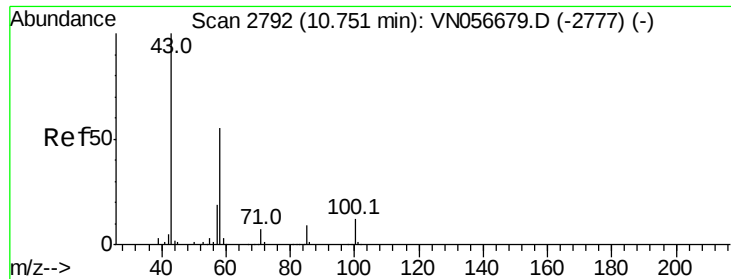
MMDadoda
7/16/2019 9:59:33 AM



#58
4-Methyl-2-Pentanone
Concen: 104.537 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	503091		
58	39.7	31.9	47.9	
85	17.8	14.2	21.4	





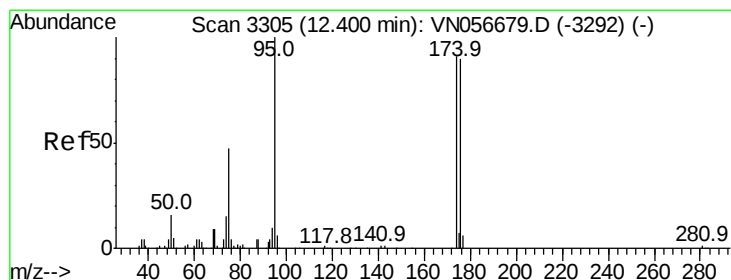
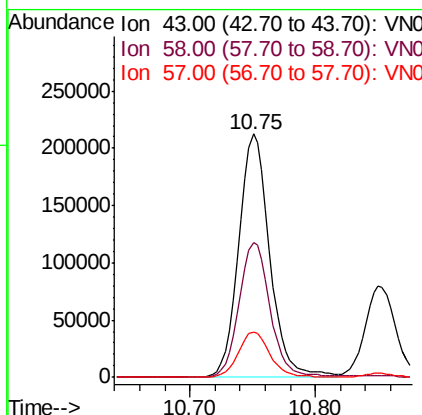
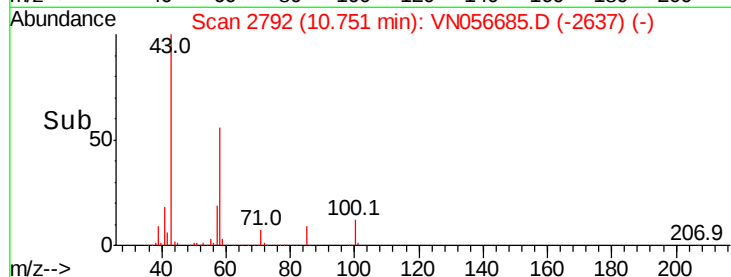
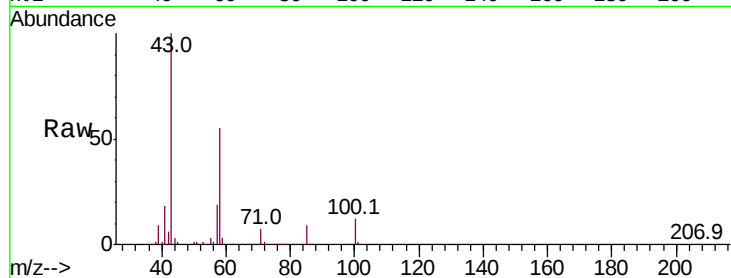
#59
2-Hexanone
Concen: 99.774 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.1	44.4	66.6
57	19.2	15.2	22.8

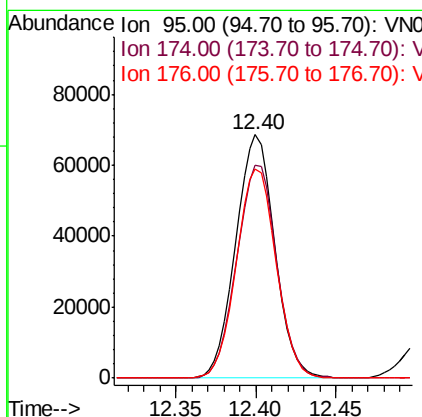
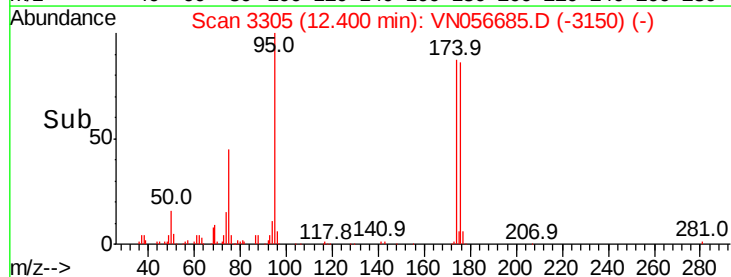
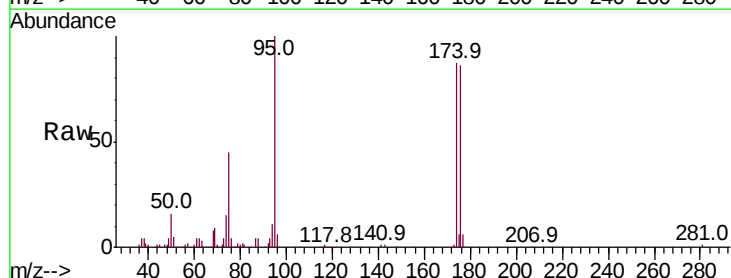
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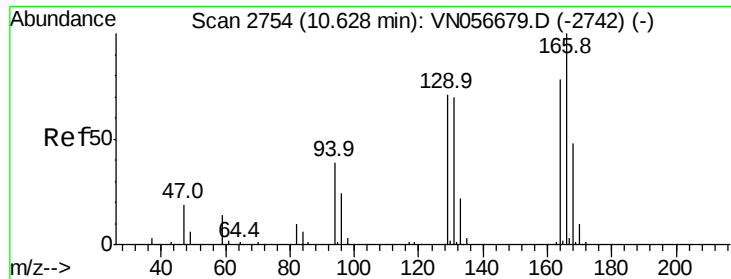
MMDadoda
7/16/2019 9:59:33 AM



#60
4-Bromofluorobenzene
Concen: 29.139 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.2	72.6	108.8
176	87.4	71.0	106.6





#61

Tetrachloroethene

Concen: 21.096 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071319

Tot Ion:164 Resp: 77508

Ion Ratio Lower Upper

164 100

166 126.1 102.3 153.5

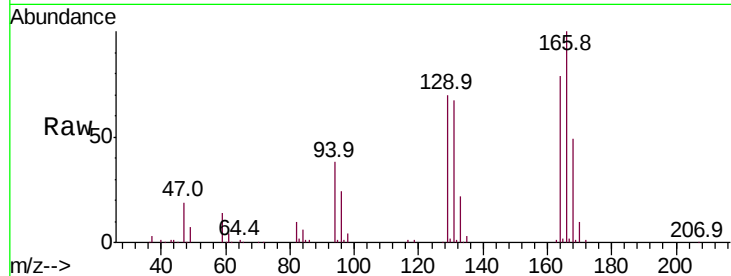
129 88.2 72.6 108.8

131 84.9 71.4 107.2

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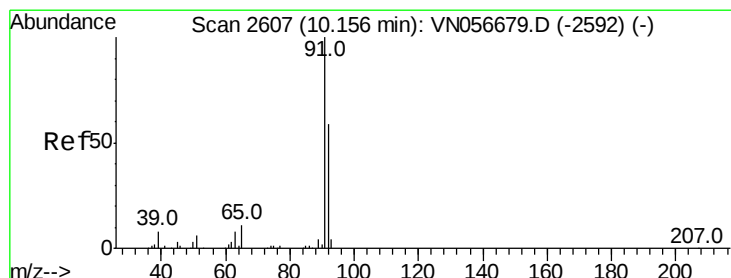
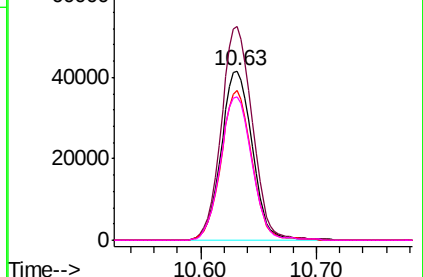
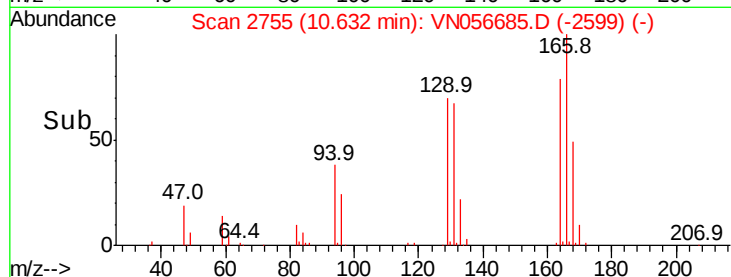
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

Time-->



#62

Toluene

Concen: 20.426 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056685.D

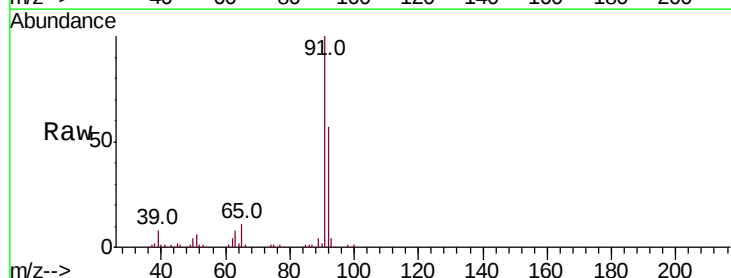
Acq: 12 Jul 2019 12:53

Tgt Ion: 91 Resp: 306762

Ion Ratio Lower Upper

91 100

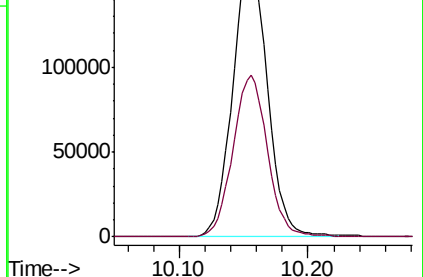
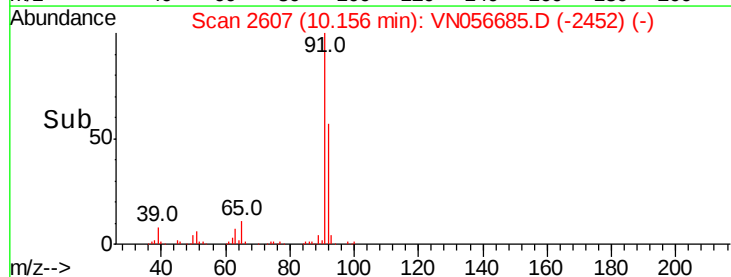
92 57.9 46.7 70.1

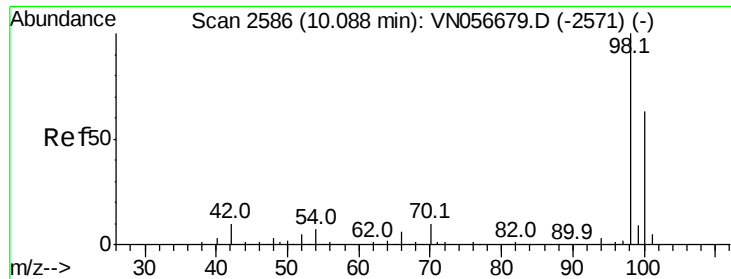


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Time-->





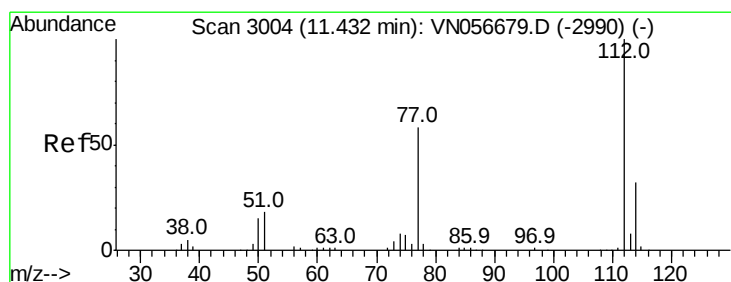
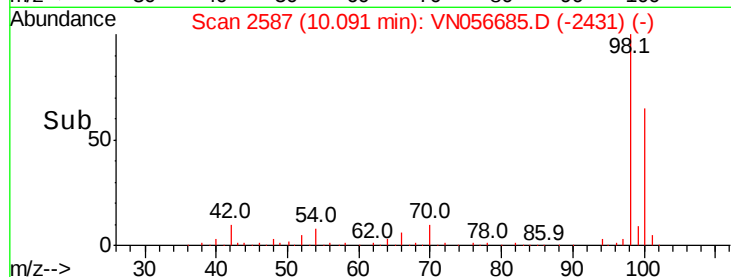
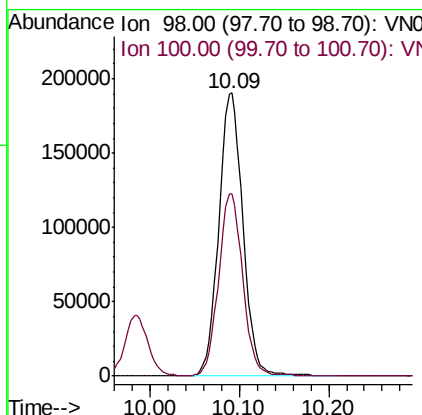
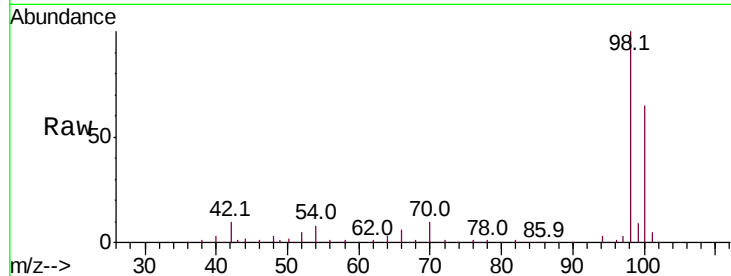
#63
Toluene-d8
Concen: 30.554 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion: 98 Resp: 356967
Ion Ratio Lower Upper
98 100
100 63.4 51.1 76.7

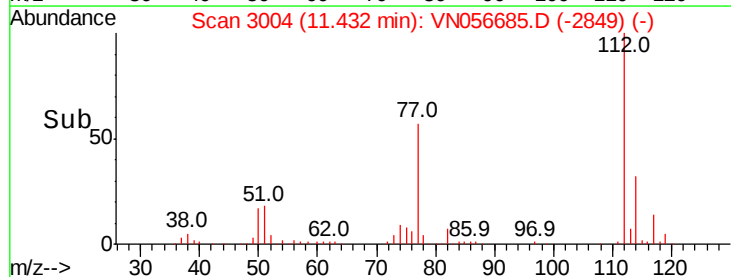
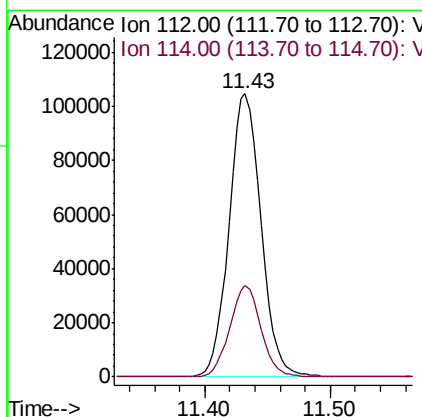
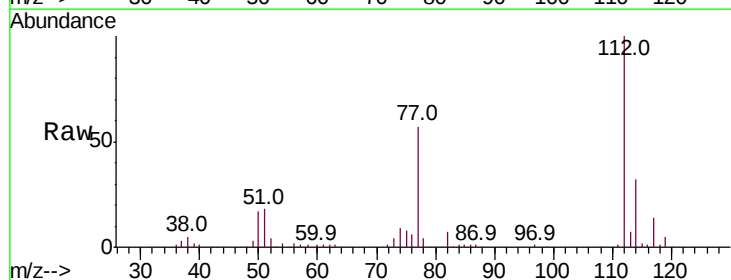
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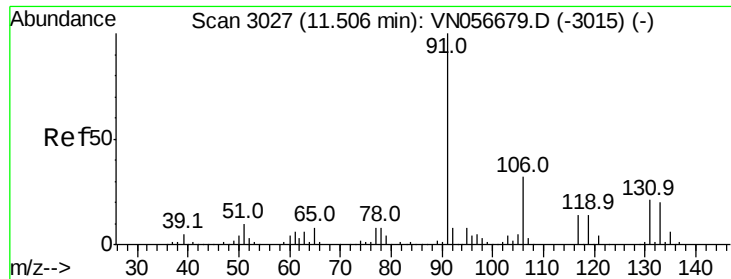
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#64
Chlorobenzene
Concen: 20.241 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion: 112 Resp: 185399
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 20.070 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

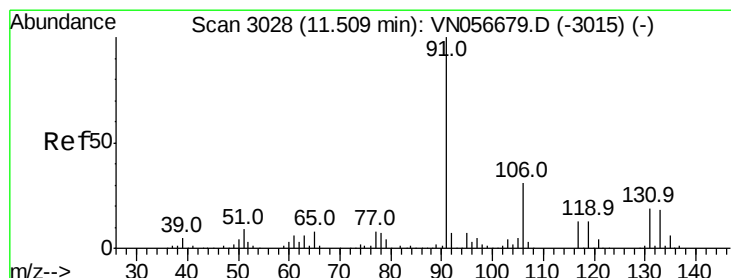
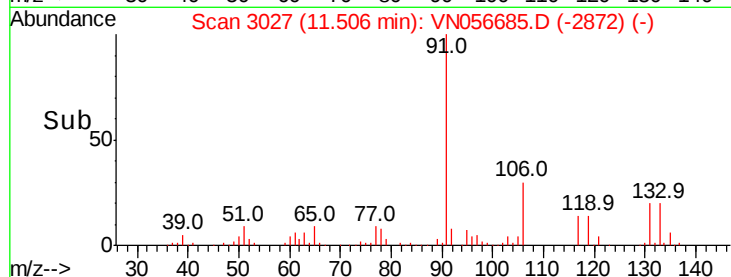
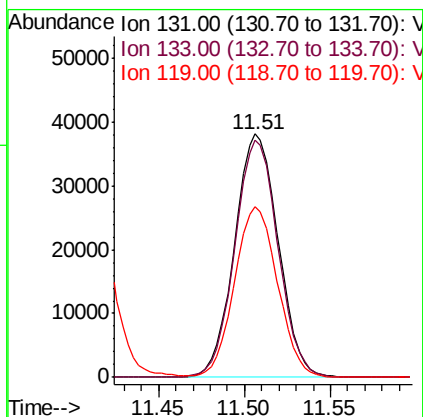
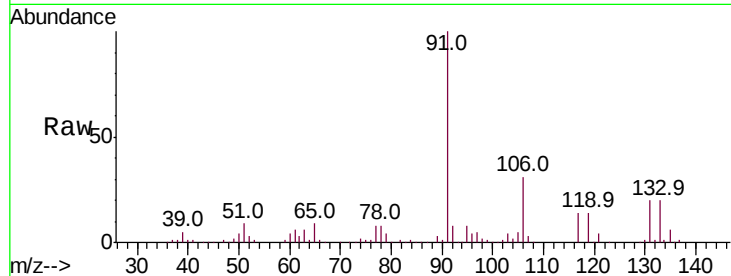
ClientSampleId :

ICVVN071319

Tot Ion:	131	Resp:	67400
Ion	Ratio	Lower	Upper
131	100		
133	96.6	0.0	191.4
119	69.3	0.0	133.4

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#66

Ethyl Benzene

Concen: 20.194 ug/l

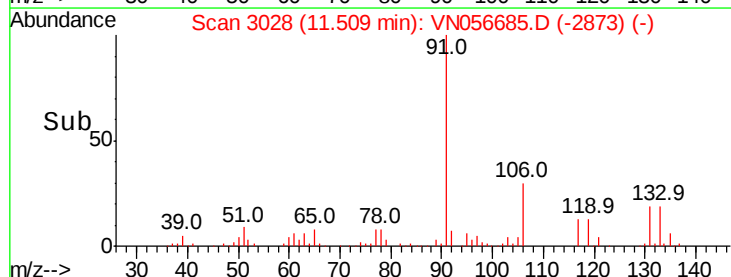
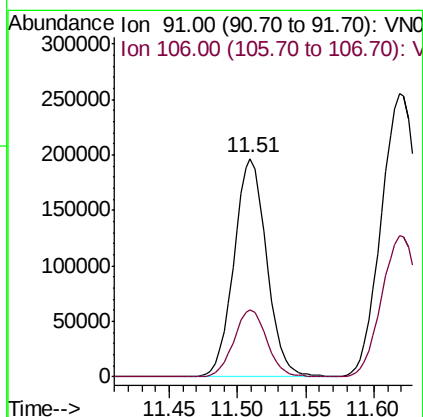
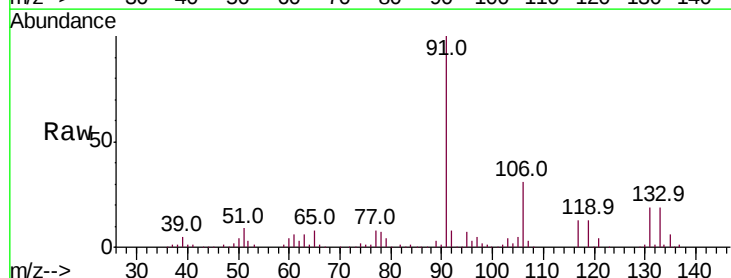
RT: 11.51 min Scan# 3028

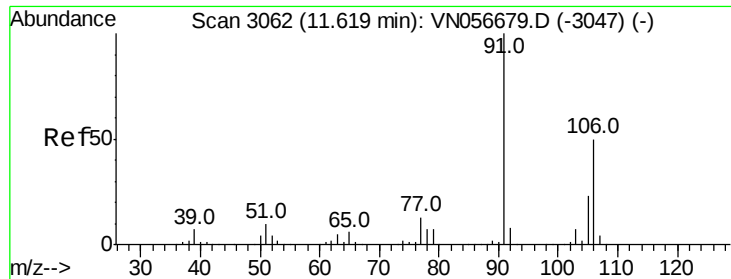
Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Tgt Ion:	91	Resp:	327821
Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.1	37.7





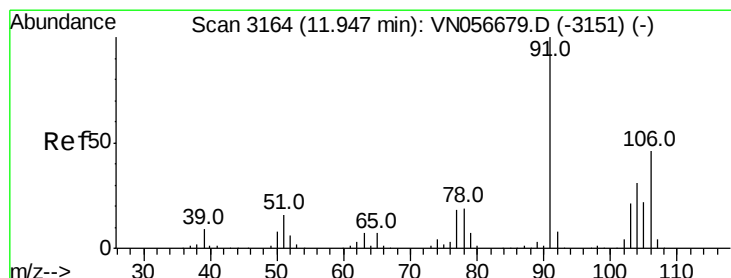
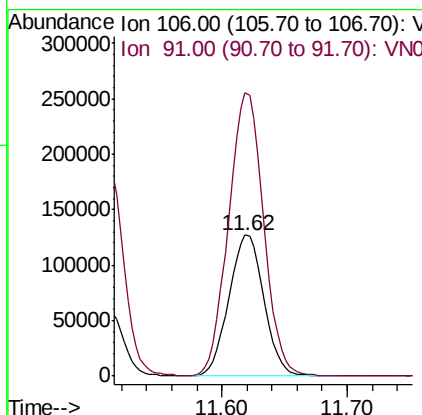
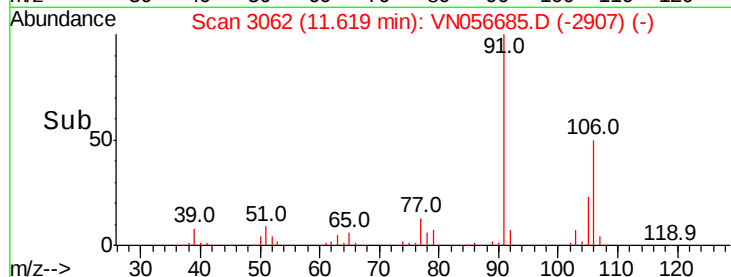
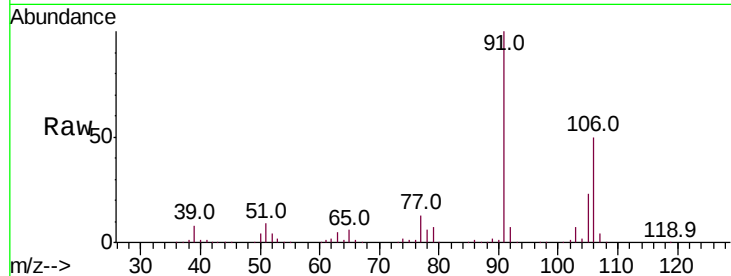
#67
m/p-Xylenes
Concen: 40.206 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampled :
ICVVN071319

Tot Ion:106 Resp: 246318
Ion Ratio Lower Upper
106 100
91 200.8 161.8 242.8

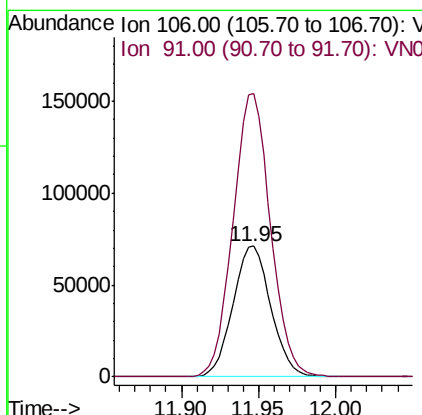
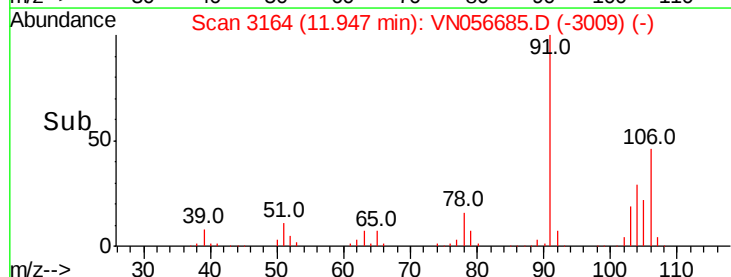
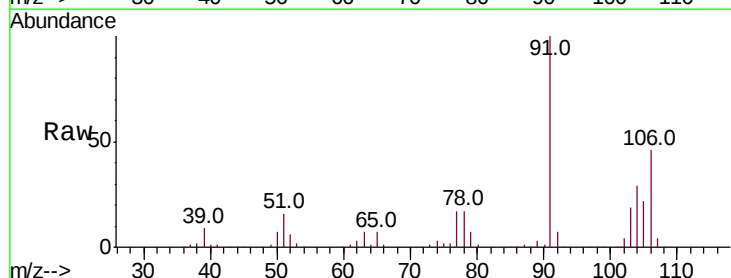
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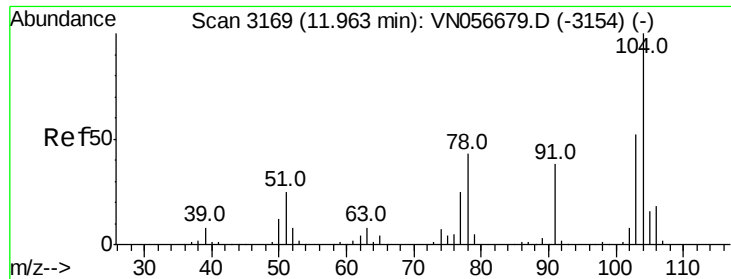
MMDadoda
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#68
o-Xylene
Concen: 20.295 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion:106 Resp: 121271
Ion Ratio Lower Upper
106 100
91 213.8 108.1 324.2





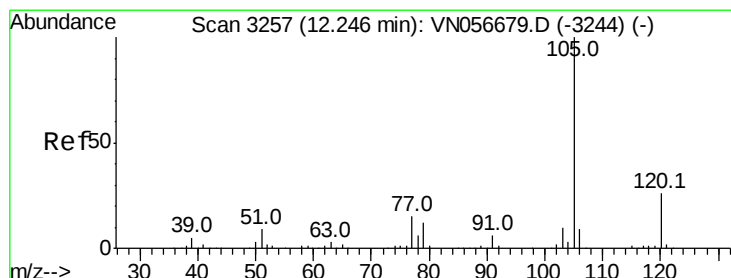
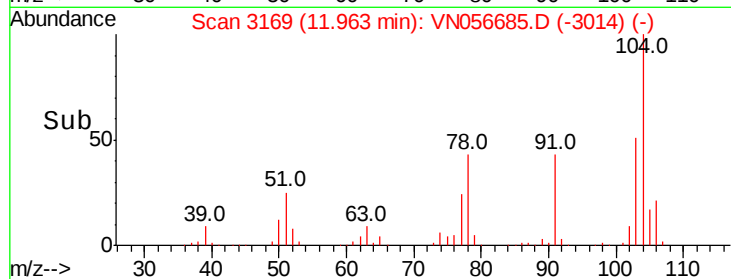
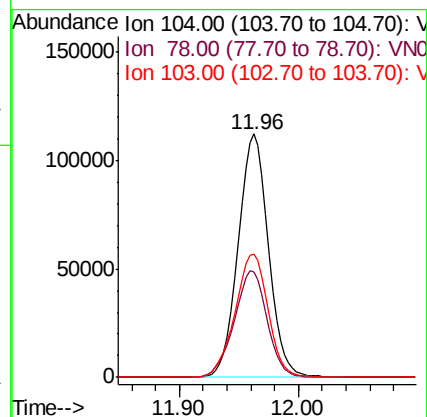
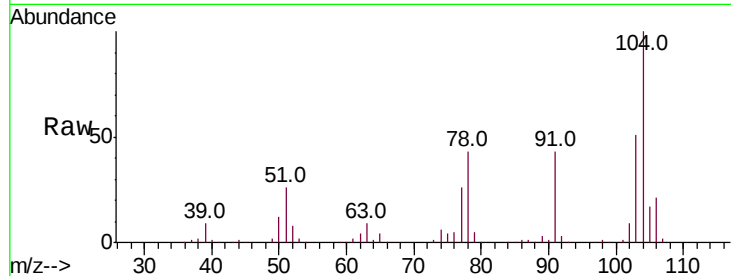
#69
Stvrene
Concen: 19.963 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.5	38.7	58.1
103	55.4	45.0	67.4

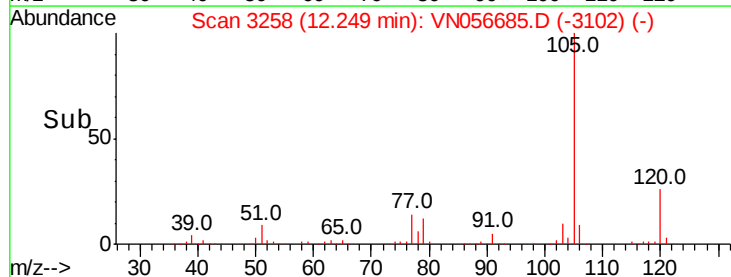
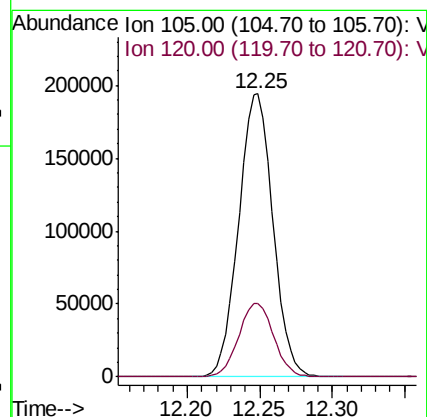
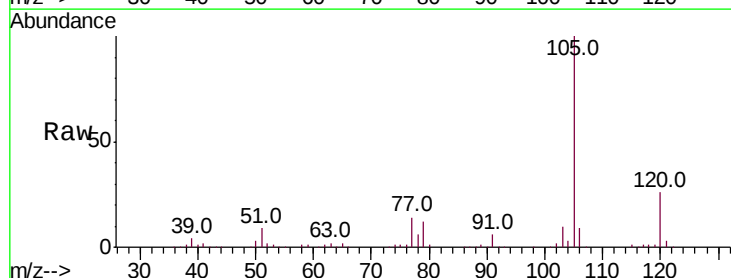
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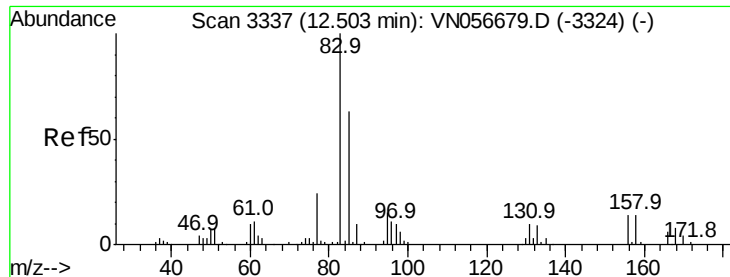
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#70
Isopropylbenzene
Concen: 20.368 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	18.6	34.5





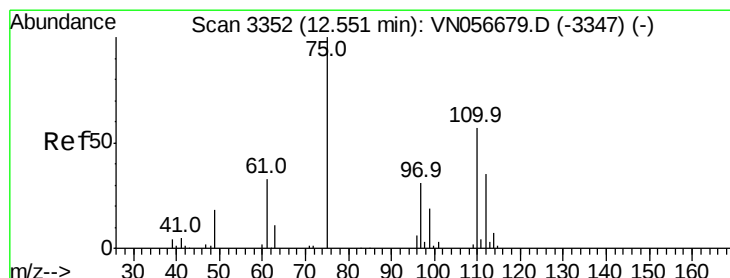
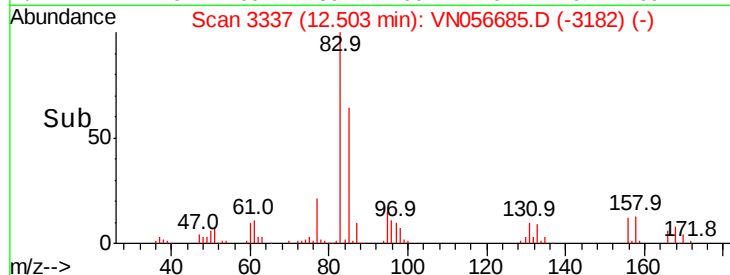
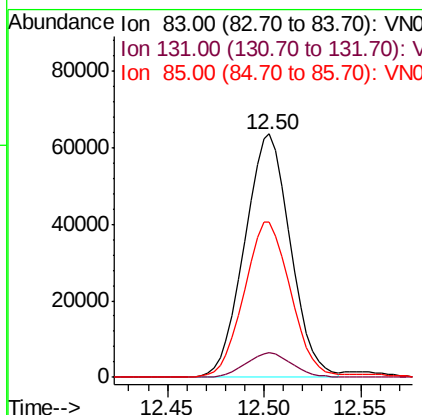
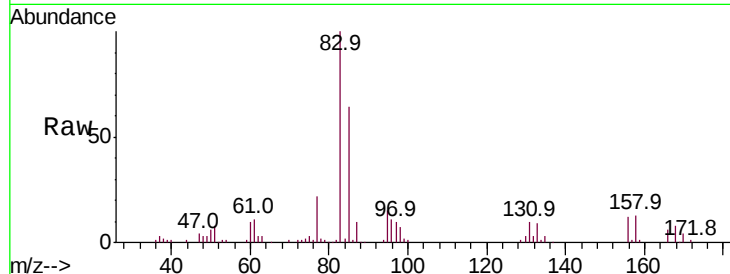
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.679 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.2	5.1	15.3	
85	64.5	31.9	95.7	

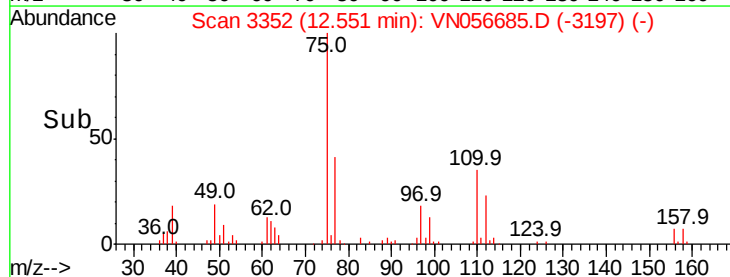
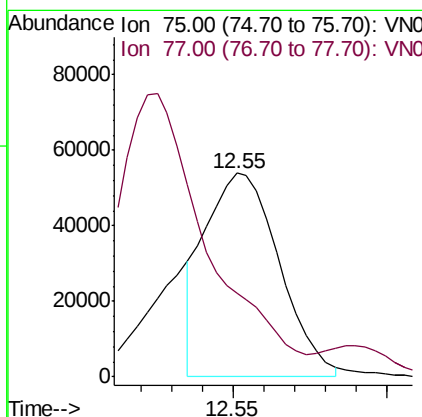
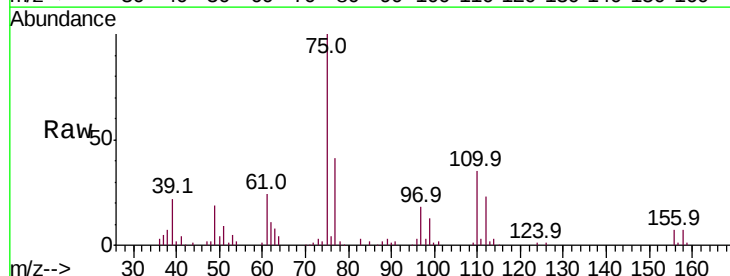
Manual Integrations
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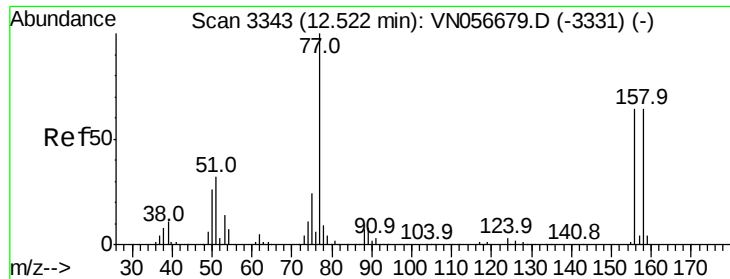
MMDadoda
 7/16/2019 9:59:33 AM



#72
 1,2,3-Trichloropropane
 Concen: 20.716 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	176.3	0.0	352.2	





#73

Bromobenzene

Concen: 19.895 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

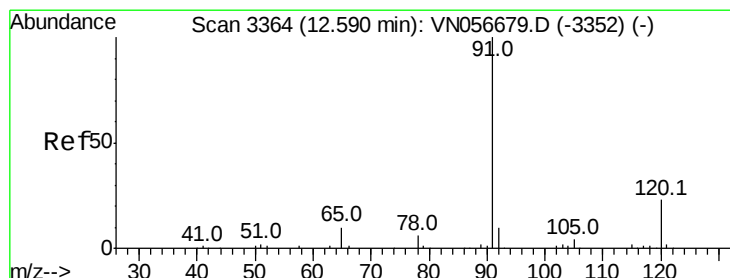
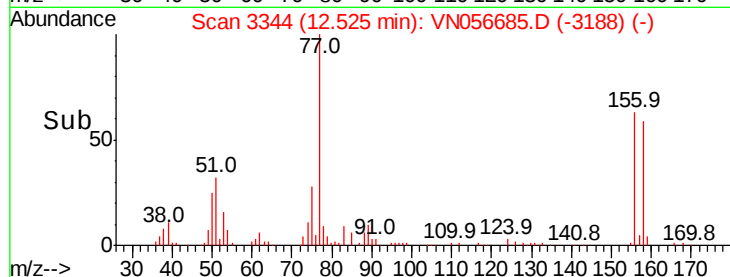
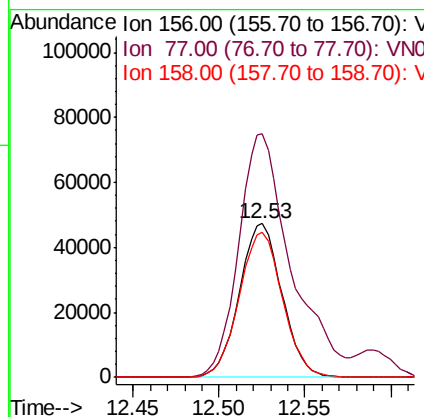
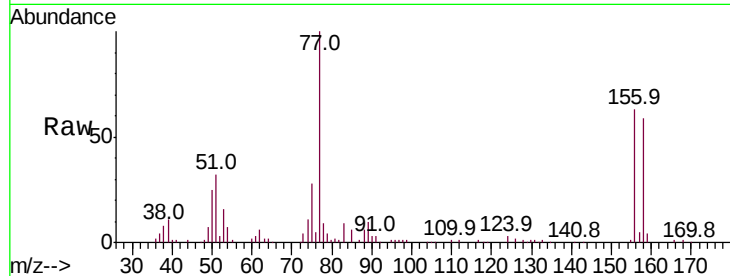
ClientSampleId :

ICVVN071319

Tot Ion:	156	Resp:	81430
Ion Ratio	Lower	Upper	
156	100		
77	194.9	0.0	381.8
158	96.2	0.0	195.8

Manual Integrations
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#74

n-propylbenzene

Concen: 19.659 ug/l

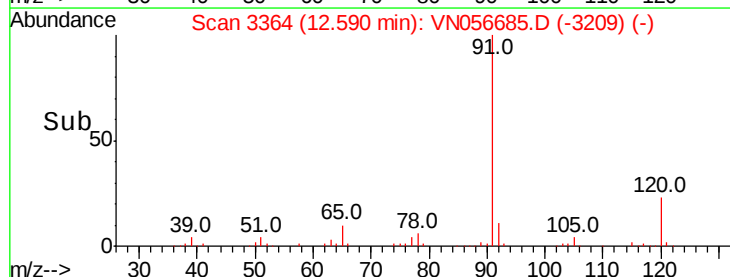
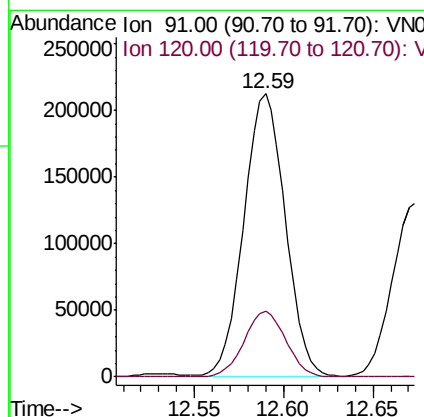
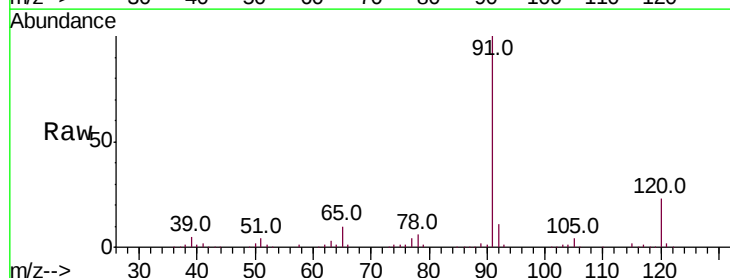
RT: 12.59 min Scan# 3364

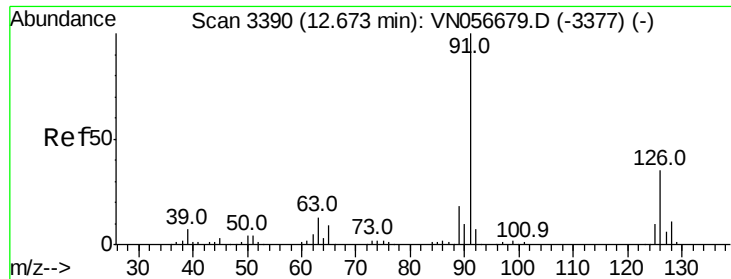
Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Tgt Ion:	91	Resp:	347402
Ion Ratio	Lower	Upper	
91	100		
120	23.2	0.0	45.6





#75

2-Chlorotoluene

Concen: 20.215 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

ClientSampled :

ICVVN071319

Tot Ion: 91 Resp: 215139

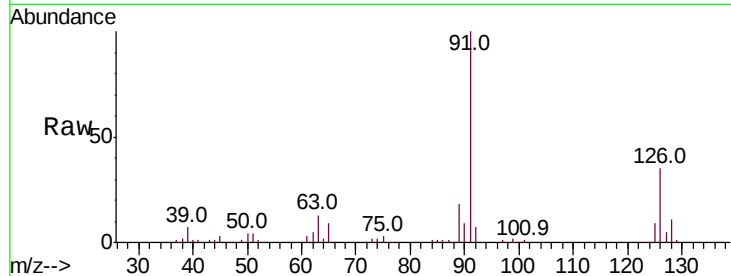
Ion Ratio Lower Upper

91 100

126 34.0 0.0 69.8

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Abundance Ion 91.00 (90.70 to 91.70): VN056679.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056679.D (-3377) (-)

200000

150000

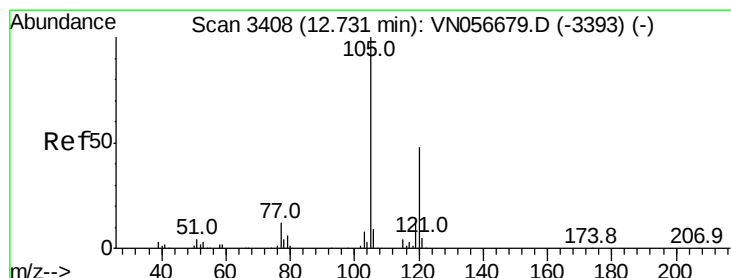
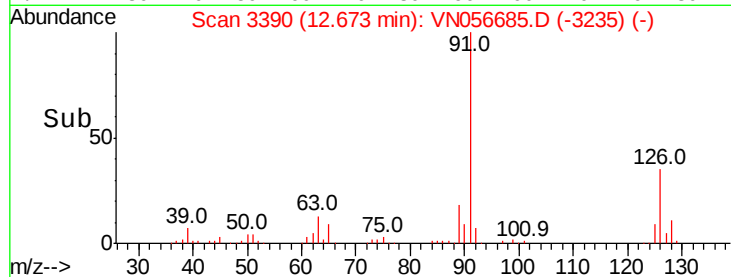
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.174 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056685.D

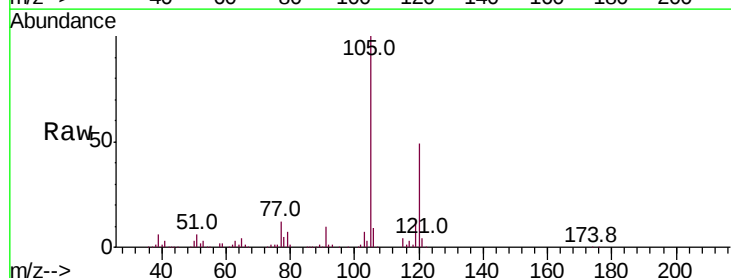
Acq: 12 Jul 2019 12:53

Tgt Ion: 105 Resp: 269518

Ion Ratio Lower Upper

105 100

120 49.2 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): VN056679.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056679.D (-3393) (-)

200000

150000

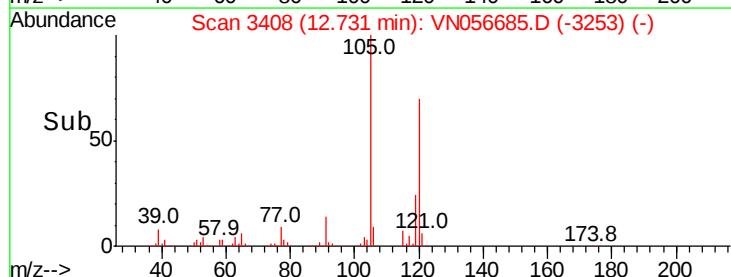
100000

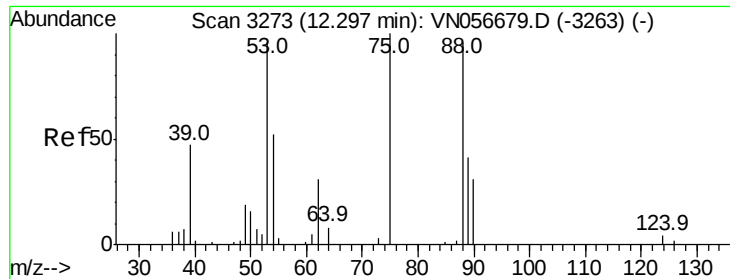
50000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.883 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

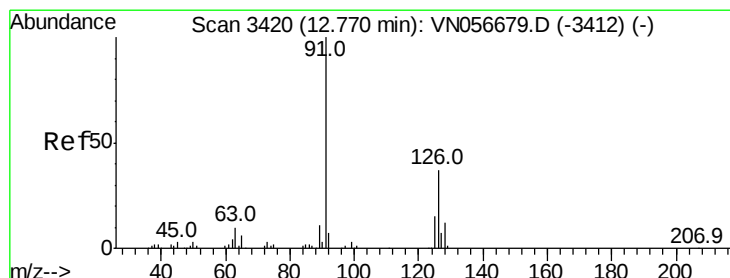
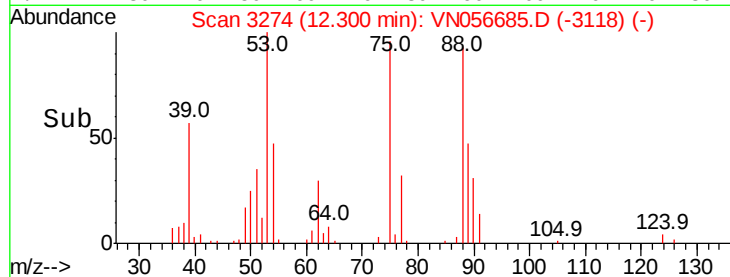
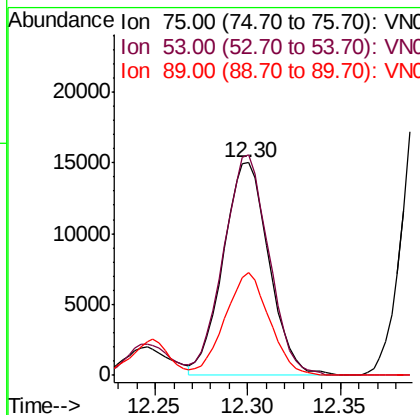
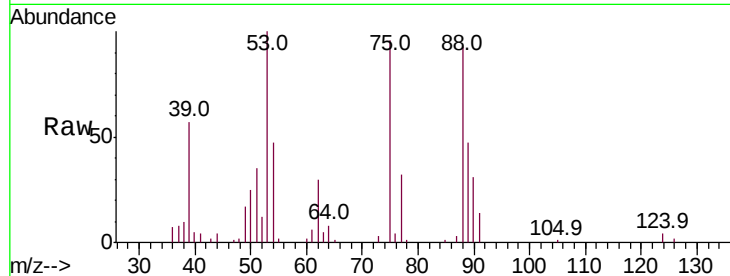
ClientSampleId :

ICVVN071319

Tot Ion:	75	Resp:	25829
Ion	Ratio	Lower	Upper
75	100		
53	103.7	48.6	145.8
89	48.6	21.3	64.0

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.756 ug/l

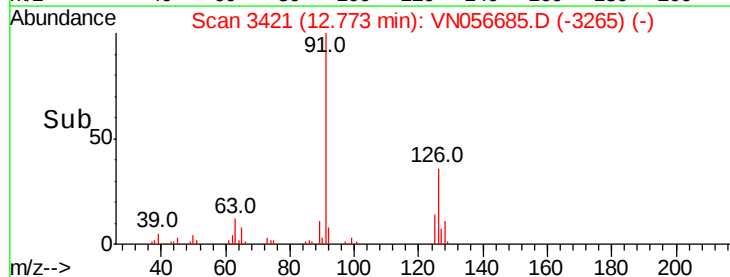
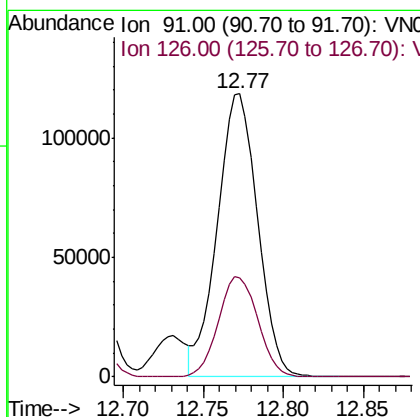
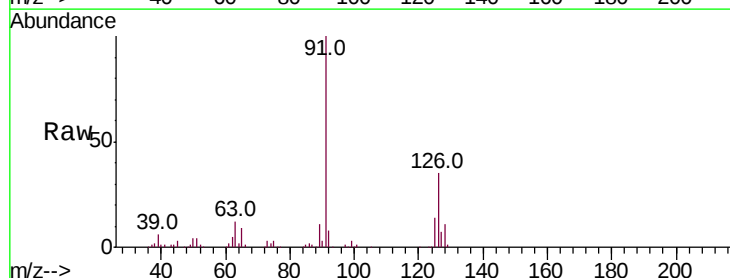
RT: 12.77 min Scan# 3421

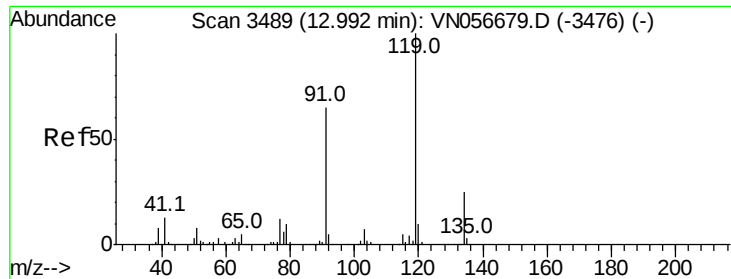
Delta R.T. 0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Tgt Ion:	91	Resp:	203891
Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	69.4





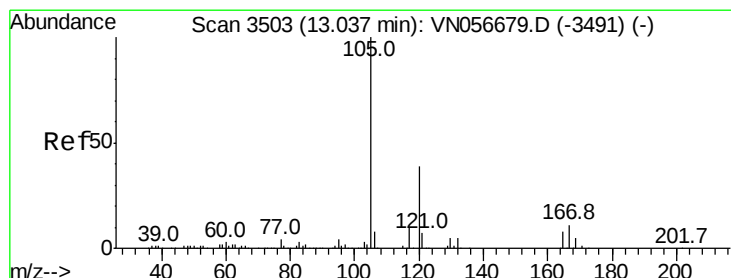
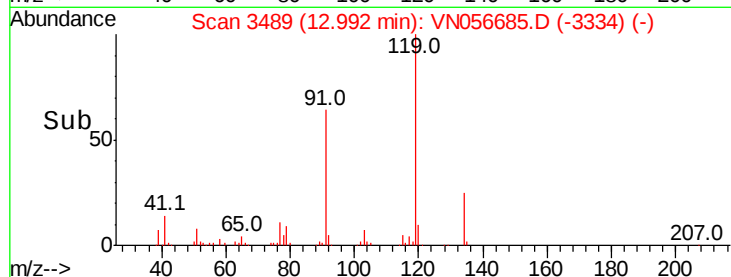
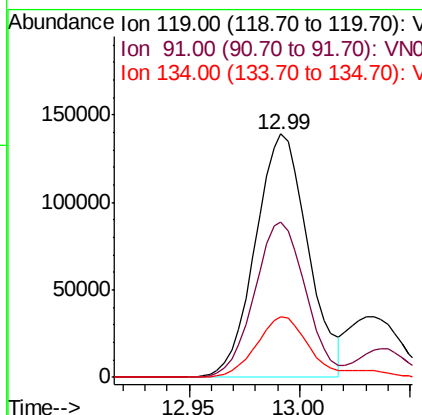
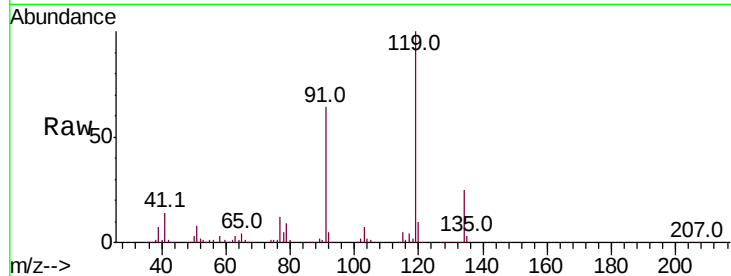
#79
tert-butylbenzene
Concen: 20.217 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion	Ratio	Resp	Lower	Upper
119	100	229769		
91	62.7	0.0	125.4	
134	24.5	0.0	48.4	

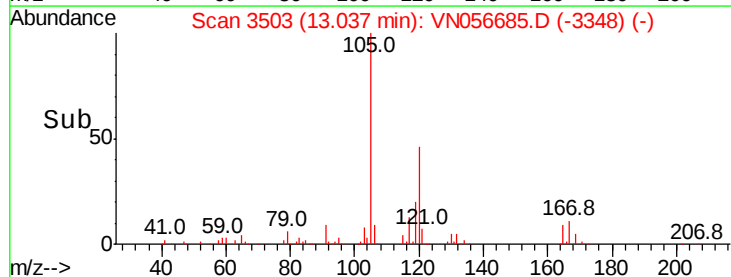
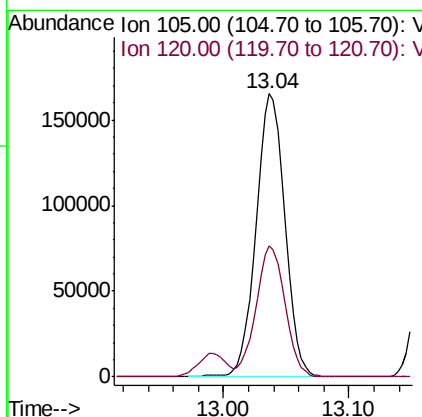
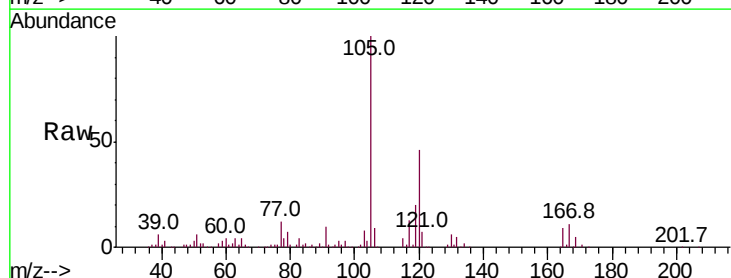
Manual Integrations
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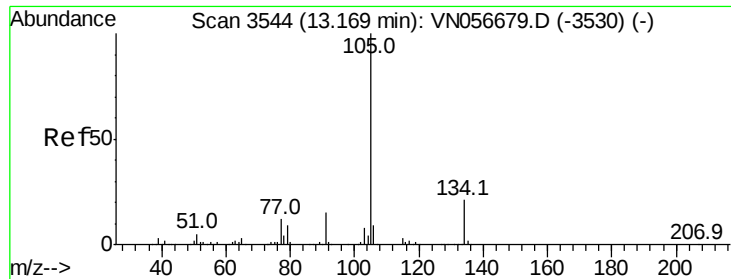
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#80
1,2,4-Trimethylbenzene
Concen: 19.963 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	264501		
120	46.6	0.0	91.2	





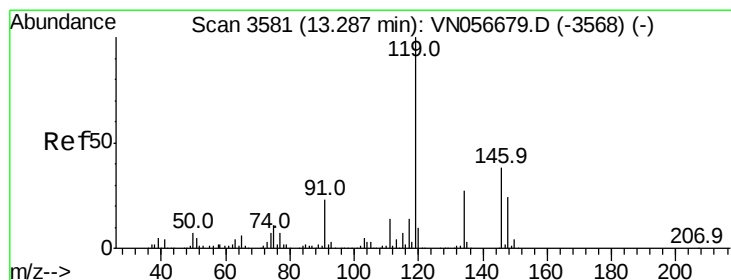
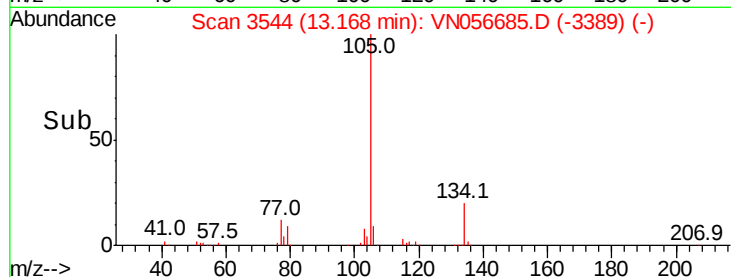
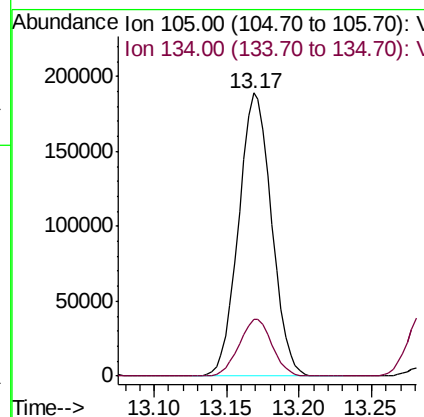
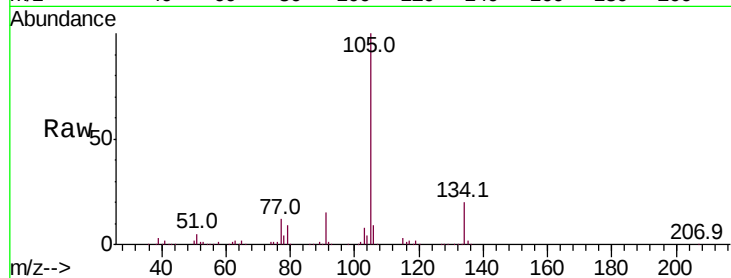
#81
 sec-Butylbenzene
 Concen: 19.812 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

Tot Ion	Ratio	Resp	Lower	Upper
105	100	298045		
134	20.1	0.0	40.8	

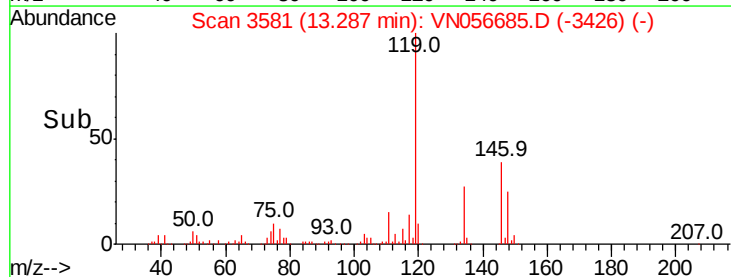
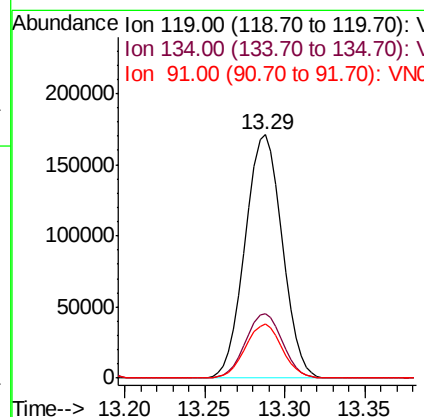
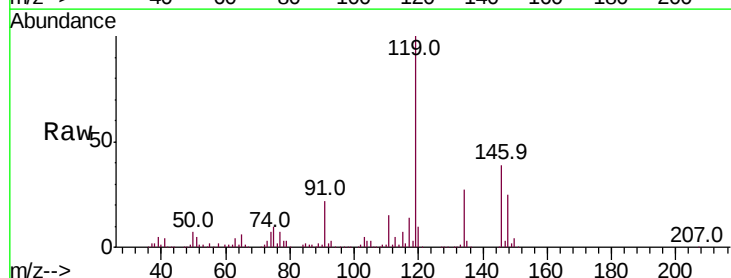
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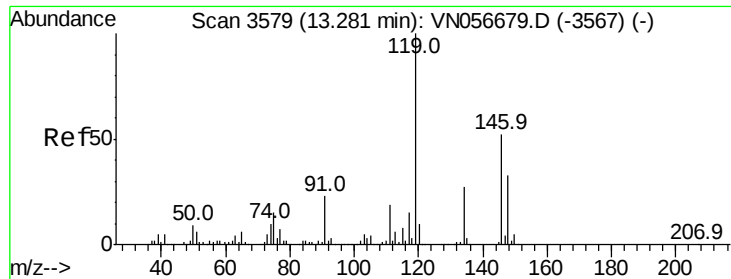
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#82
 p-Isopropyltoluene
 Concen: 19.780 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	270613		
134	26.3	0.0	52.8	
91	22.1	0.0	45.4	





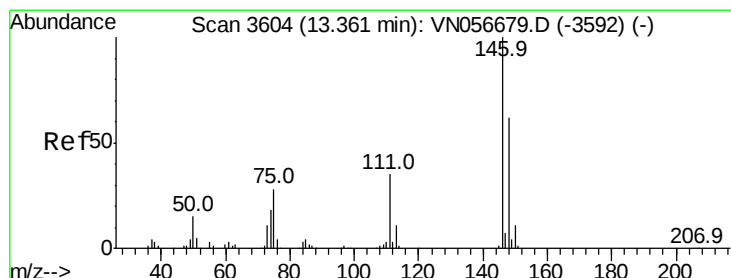
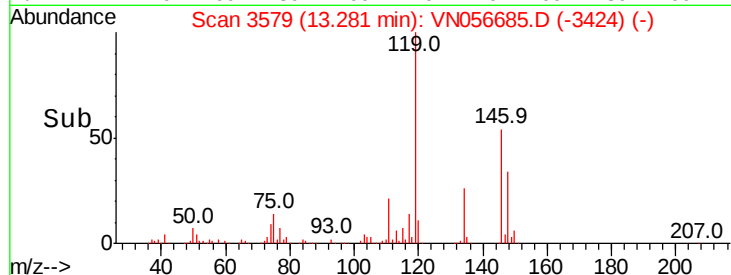
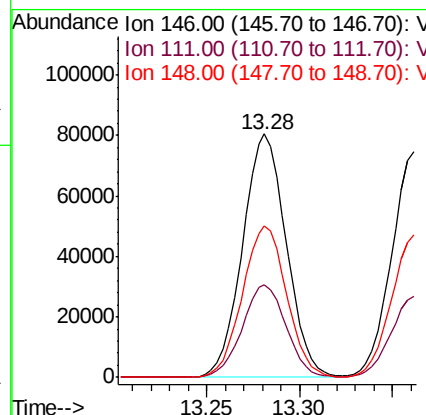
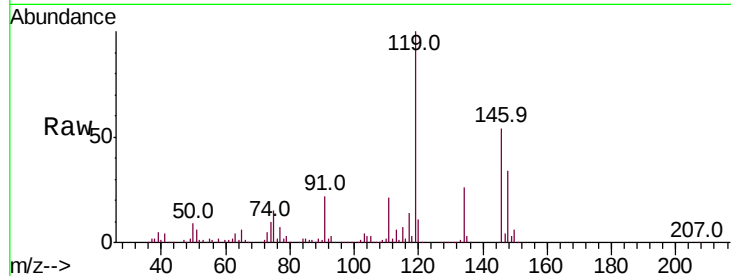
#83
 1,3-Dichlorobenzene
 Concen: 19.297 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.7	56.1
148	62.8	31.8	95.4

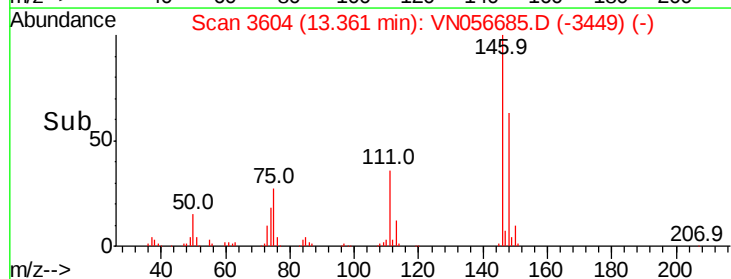
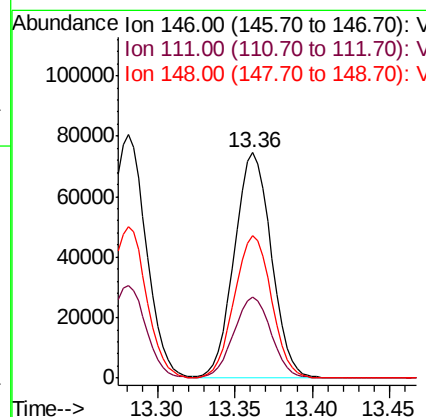
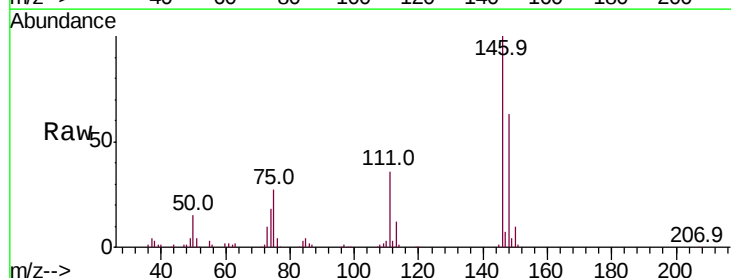
Manual Integrations
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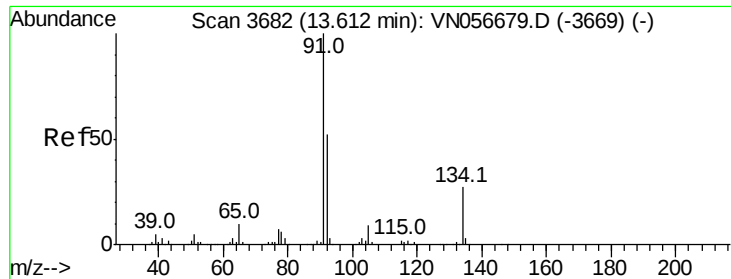
MMDadoda
 7/16/2019 9:59:33 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.000 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.8	53.4
148	62.9	31.9	95.5





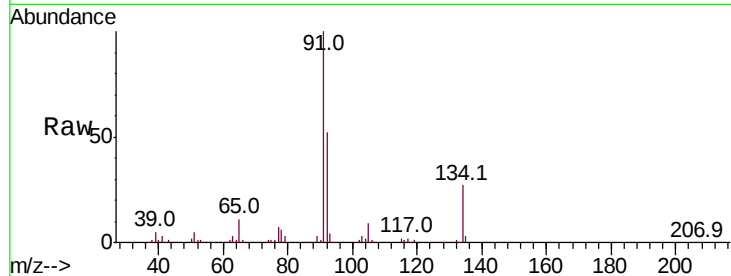
#85
n-Butylbenzene
Concen: 18.609 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

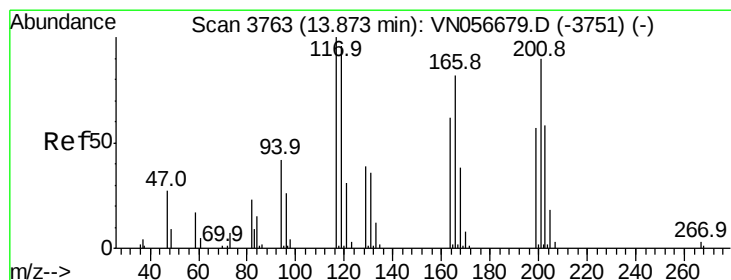
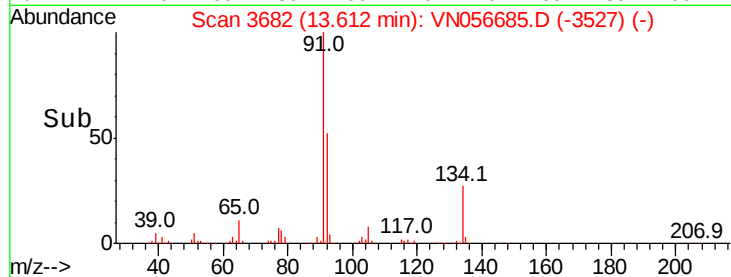
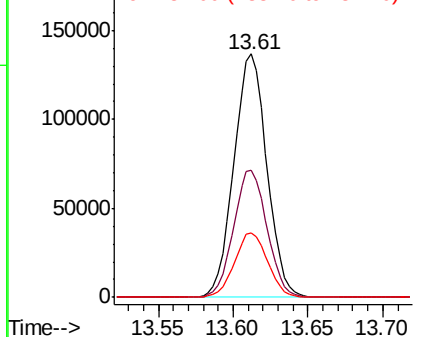
Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.7	0.0	104.0	
134	26.6	0.0	53.2	

Manual Integrations
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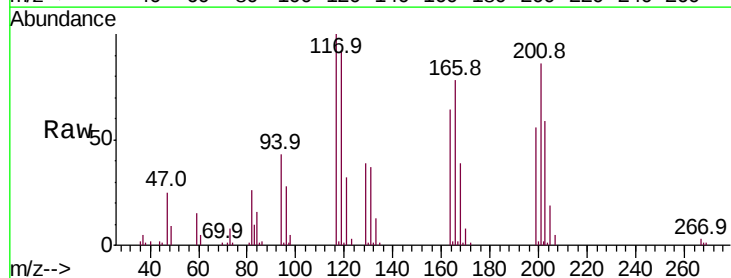


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

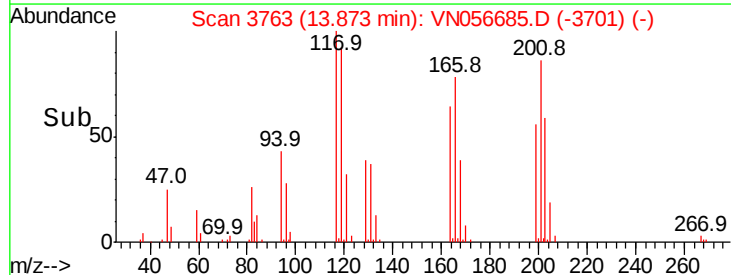
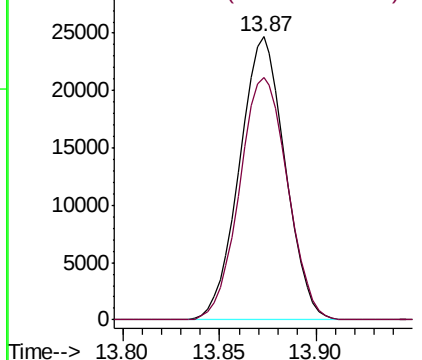


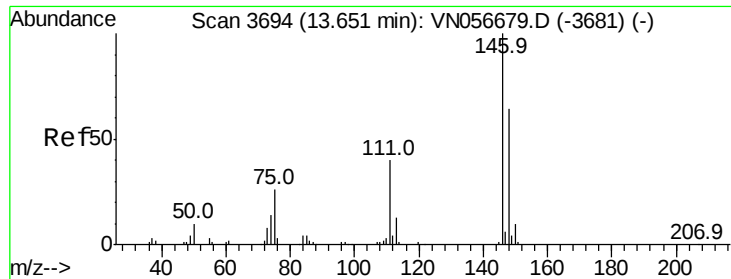
#86
Hexachloroethane
Concen: 18.922 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	89.6	45.6	136.7	



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V





#87

1,2-Dichlorobenzene

Concen: 19.859 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Instrument :

MSVOA_N

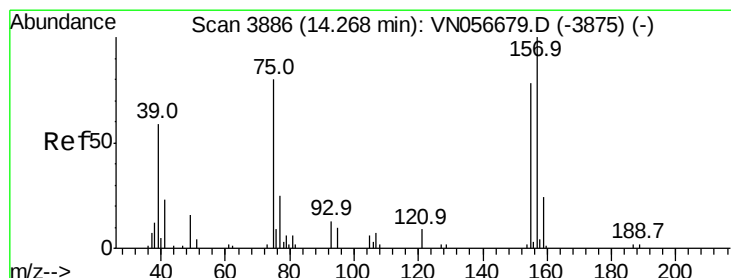
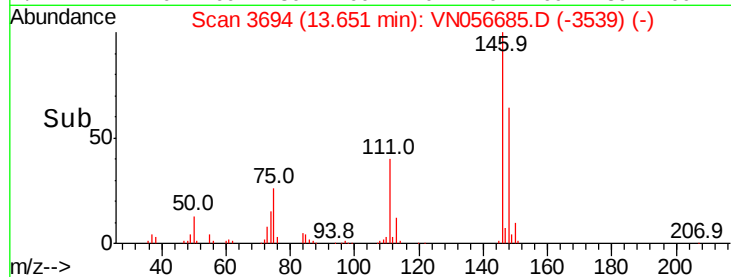
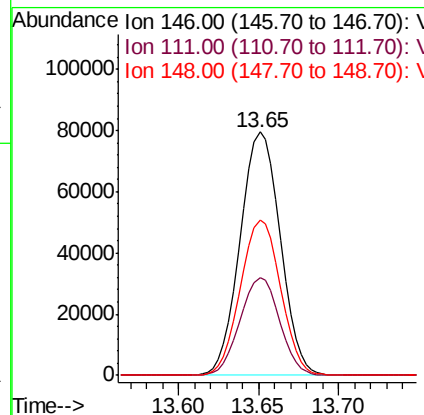
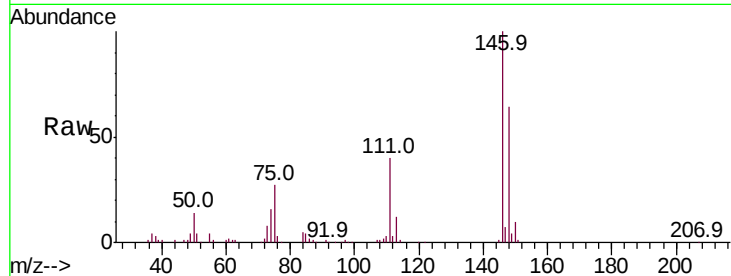
ClientSampled :

ICVVN071319

Tot Ion:	146	Resp:	136144
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.7	59.0
148	63.9	32.7	98.1

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#88

1,2-Dibromo-3-Chloropropane

Concen: 19.933 ug/l

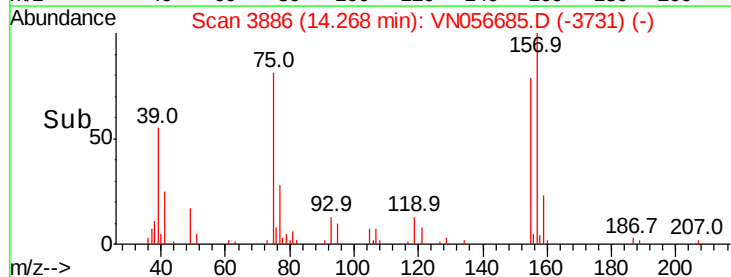
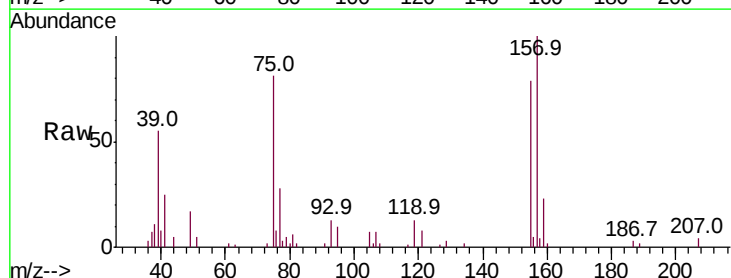
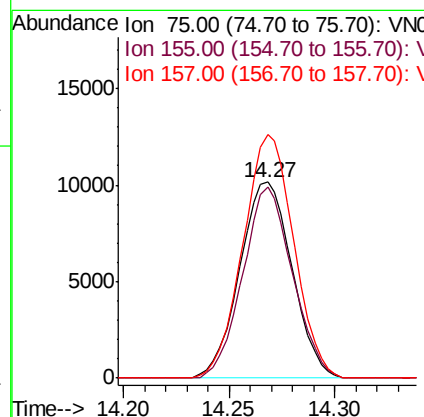
RT: 14.27 min Scan# 3886

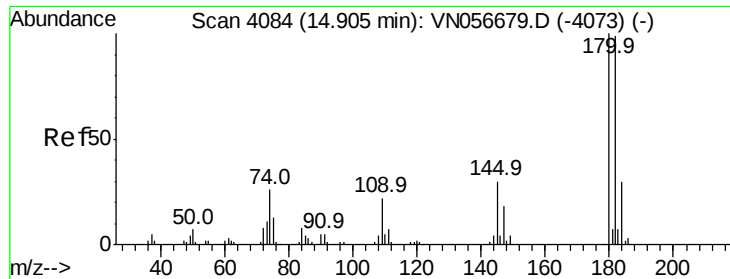
Delta R.T. -0.00 min

Lab File: VN056685.D

Acq: 12 Jul 2019 12:53

Tgt Ion:	75	Resp:	17483
Ion Ratio	Lower	Upper	
75	100		
155	92.6	78.6	117.8
157	120.8	99.3	148.9





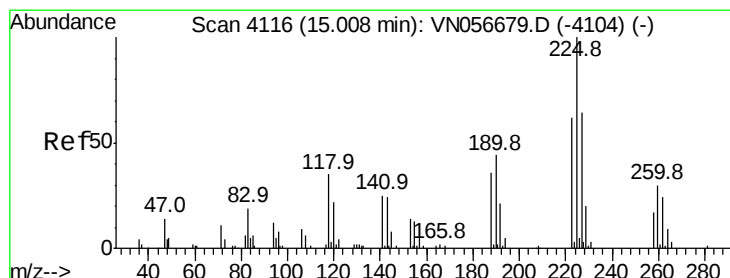
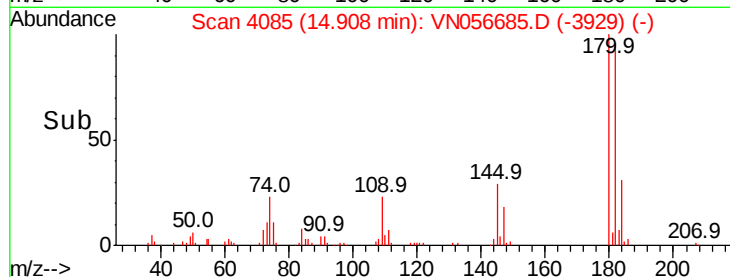
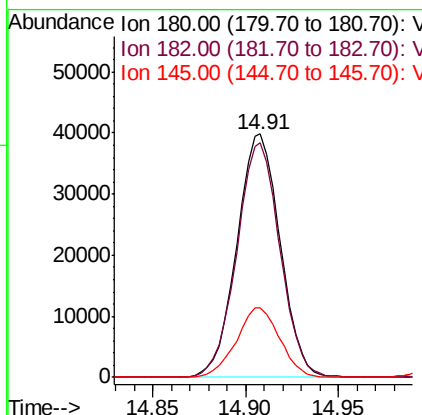
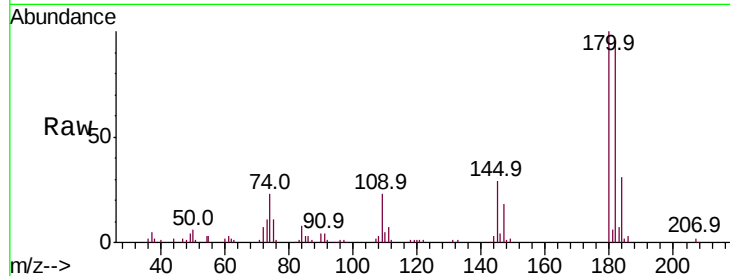
#89
 1,2,4-Trichlorobenzene
 Concen: 17.569 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071319

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	78.2	117.4
145	28.7	23.2	34.8

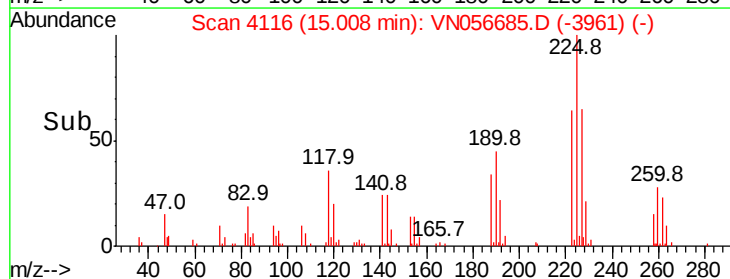
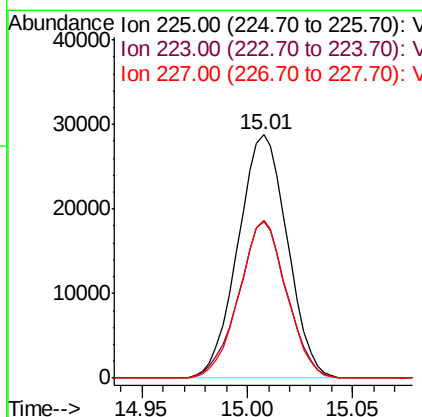
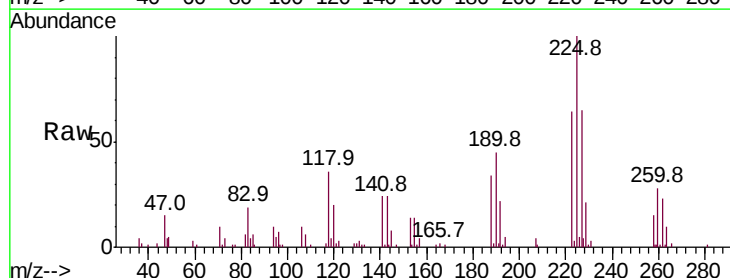
Manual Integrations
 APPROVED

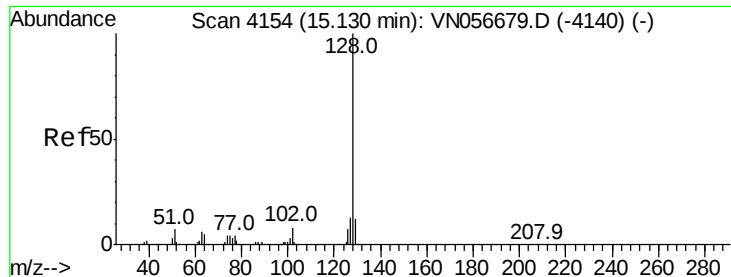
MMDadoda
 7/16/2019 9:59:33 AM



#90
 Hexachlorobutadiene
 Concen: 19.528 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056685.D
 Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	124.6
227	61.9	0.0	128.6





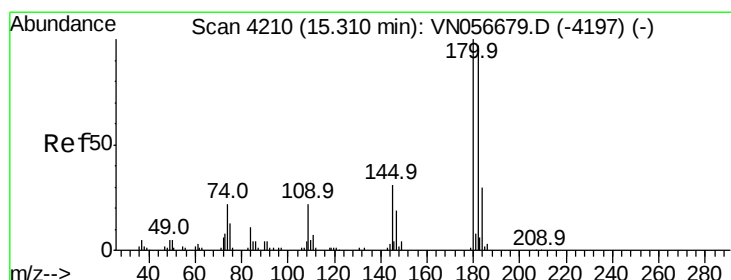
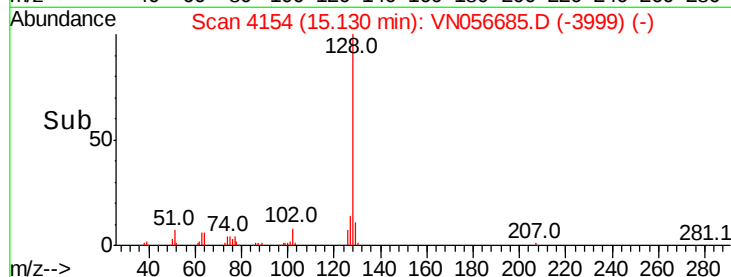
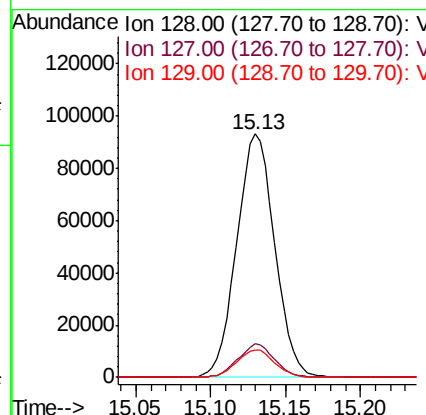
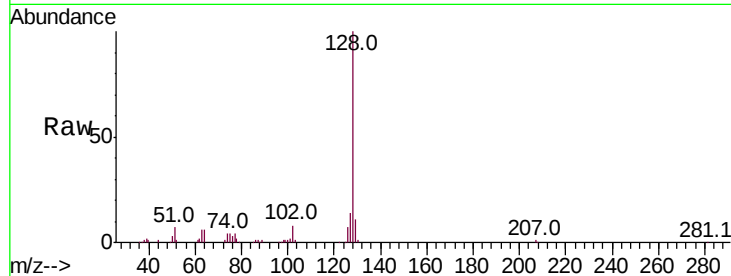
#91
Naphthalene
Concen: 16.623 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071319

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/16/2019 9:59:33 AM



#92
1,2,3-Trichlorobenzene
Concen: 18.004 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056685.D
Acq: 12 Jul 2019 12:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	192.4
145	30.0	0.0	60.4

