

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055255.D
 Acq On : 25 Apr 2019 20:31
 Operator : JC/SP
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:58:04 AM

Quant Time: Apr 26 05:29:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 05:19:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	69608	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	380495	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	325945	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	162127	29.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.37%
60) 4-Bromofluorobenzene	12.40	95	146496	29.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.60%
63) Toluene-d8	10.09	98	470074	30.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	71606	18.862	ug/l 100
3) Chloromethane	2.06	50	103476	19.490	ug/l 91
4) Vinyl Chloride	2.19	62	85000	19.644	ug/l 99
5) Bromomethane	2.56	94	51568	21.392	ug/l 98
6) Chloroethane	2.70	64	48191	19.993	ug/l 95
7) Trichlorofluoromethane	3.02	101	128536	20.207	ug/l 94
8) Diethyl Ether	3.41	74	51183	19.821	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	79309	19.589	ug/l 99
10) 1,1-Dichloroethene	3.74	96	73206	19.422	ug/l 99
11) Methyl Iodide	3.95	142	108215	18.256	ug/l 96
12) Methyl Acetate	4.33	43	112026	20.477	ug/l 93
13) Acrolein	3.61	56	23714	97.440	ug/l 99
14) Acrylonitrile	4.99	53	196602	101.174	ug/l 99
15) Acetone	3.82	58	42917	91.676	ug/l 94
16) Carbon Disulfide	4.05	76	199998	19.522	ug/l 99
17) Allyl chloride	4.33	41	161642	19.914	ug/l 98
18) Methylene Chloride	4.55	84	89781	19.186	ug/l 93
19) trans-1,2-Dichloroethene	5.05	96	81190	19.771	ug/l 96
20) Diisopropyl ether	5.96	45	334847	20.234	ug/l 97
21) 1,1-Dichloroethane	5.85	63	168288	19.569	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	93174	19.585	ug/l 98
23) tert-Butyl Alcohol	4.80	59	40689	102.562	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	245747	20.007	ug/l 98
25) Chloroform	7.37	83	164740	20.387	ug/l 98
26) Cyclohexane	7.65	56	145682	19.506	ug/l # 99
29) 1,1-Dichloropropene	7.80	75	119854	19.876	ug/l 99
30) 2-Butanone	6.84	43	233422	95.517	ug/l 99
31) 2,2-Dichloropropane	6.82	77	108374	18.975	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	131361	19.596	ug/l 99
33) Carbon Tetrachloride	7.78	117	108703	19.448	ug/l 96
34) Benzene	8.04	78	352555	19.529	ug/l 99
35) Methacrylonitrile	7.17	41	53742	19.068	ug/l 97
36) 1,2-Dichloroethane	8.12	62	127132	19.740	ug/l 100
37) Trichloroethene	8.84	130	90428	19.846	ug/l 98
38) Methylcyclohexane	9.08	83	123099	19.081	ug/l 99
39) 1,2-Dichloropropane	9.12	63	100176	19.384	ug/l 96
40) Dibromomethane	9.21	93	59182	19.764	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	118133	19.398	ug/l	95
42) Vinyl Acetate	5.90	43	1142366	97.616	ug/l	100
43) Ethyl Acetate	6.93	43	101825	20.105	ug/l	94
44) Isopropyl Acetate	8.17	43	184022	19.746	ug/l #	81
45) 1,4-Dioxane	9.20	88	19946	412.965	ug/l	96
46) Methyl methacrylate	9.20	41	86261	19.658	ug/l	99
47) n-amyl Acetate	12.07	43	120579	18.187	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	113210	18.893	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	133084	19.144	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	81511	19.970	ug/l	97
51) Ethyl methacrylate	10.43	69	102849	18.535	ug/l	96
52) 1,3-Dichloropropane	10.71	76	140010	19.373	ug/l	99
53) Dibromochloromethane	10.90	129	80864	19.157	ug/l	99
54) 1,2-Dibromoethane	11.00	107	77361	19.535	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	155101	92.734	ug/l	99
56) Bromoform	12.13	173	49765	17.988	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	505336	99.308	ug/l	99
59) 2-Hexanone	10.75	43	316435	97.139	ug/l	100
61) Tetrachloroethene	10.63	164	84031	19.868	ug/l	97
62) Toluene	10.16	91	363705	19.722	ug/l	97
64) Chlorobenzene	11.43	112	216774	19.842	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	82653	20.281	ug/l	97
66) Ethyl Benzene	11.51	91	392769	20.038	ug/l	100
67) m/p-Xylenes	11.62	106	286793	39.956	ug/l	99
68) o-Xylene	11.95	106	144989	20.240	ug/l	96
69) Styrene	11.96	104	215007	19.374	ug/l	100
70) Isopropylbenzene	12.25	105	383955	20.361	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	104854	20.175	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	84216m	18.692	ug/l	
73) Bromobenzene	12.53	156	87440	19.507	ug/l	98
74) n-propylbenzene	12.59	91	412425	19.598	ug/l	99
75) 2-Chlorotoluene	12.67	91	260117	20.151	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	302648	19.557	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	21564	17.983	ug/l	96
78) 4-Chlorotoluene	12.77	91	235820	19.217	ug/l	99
79) tert-butylbenzene	12.99	119	270165	20.268	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	294126	19.713	ug/l	100
81) sec-Butylbenzene	13.17	105	354174	20.100	ug/l	99
82) p-Isopropyltoluene	13.29	119	288032	19.706	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	136977	18.838	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	129233	18.830	ug/l	99
85) n-Butylbenzene	13.61	91	202684	18.187	ug/l	99
86) Hexachloroethane	13.87	117	48938	19.627	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	141770	19.485	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13607	17.886	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	49497	17.193	ug/l	97
90) Hexachlorobutadiene	15.01	225	50759	20.823	ug/l	95
91) Naphthalene	15.13	128	109957	16.529	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	53607	17.848	ug/l	99

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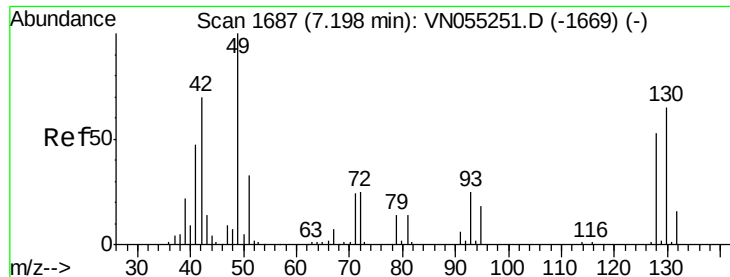
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

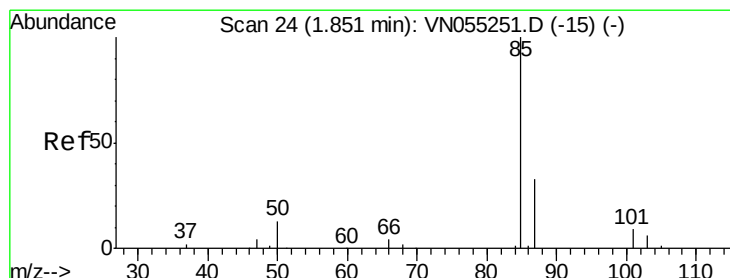
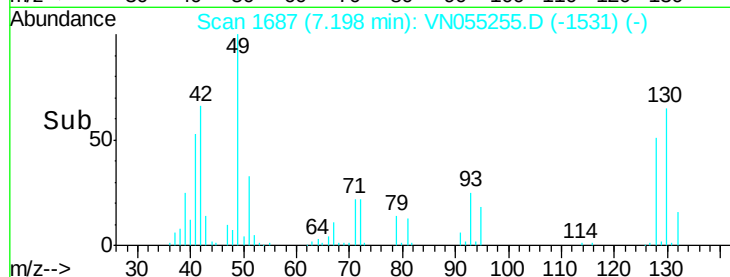
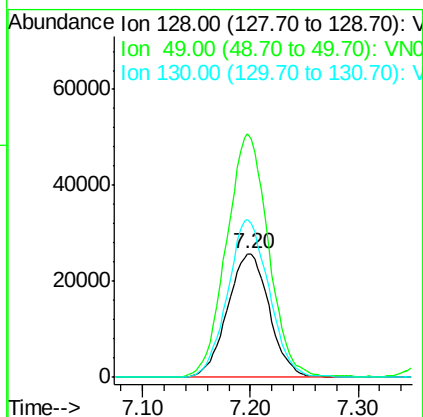
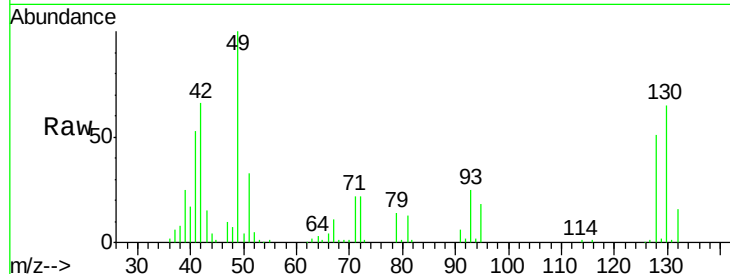
ClientSampleId :

ICVVN042619

Tot Ion:	128	Resp:	69608
Ion	Ratio	Lower	Upper
128	100		
49	197.0	0.0	485.0
130	126.0	0.0	324.7

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#2

Dichlorodifluoromethane

Concen: 18.862 ug/l

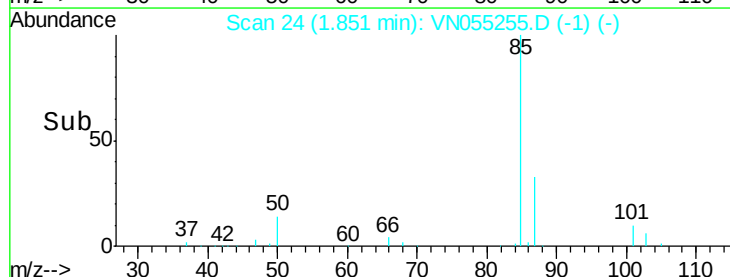
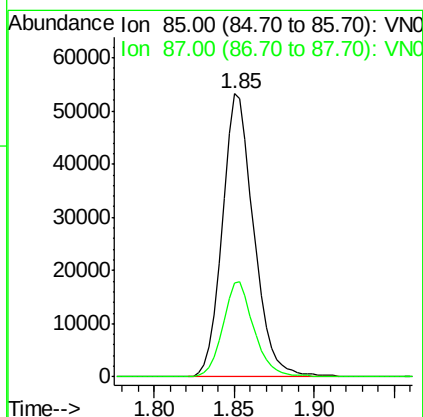
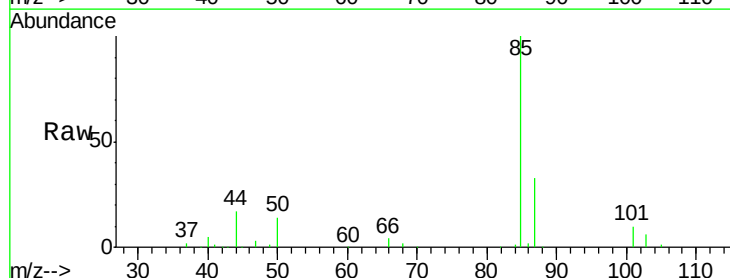
RT: 1.85 min Scan# 24

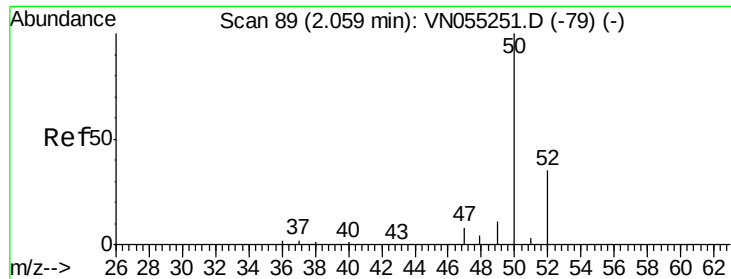
Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Tgt Ion:	85	Resp:	71606
Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.6	49.7





#3

Chloromethane

Concen: 19.490 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

Tot Ion: 50 Resp: 103476

Ion Ratio Lower Upper

50 100

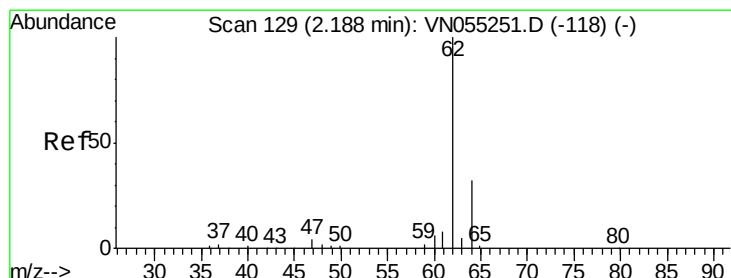
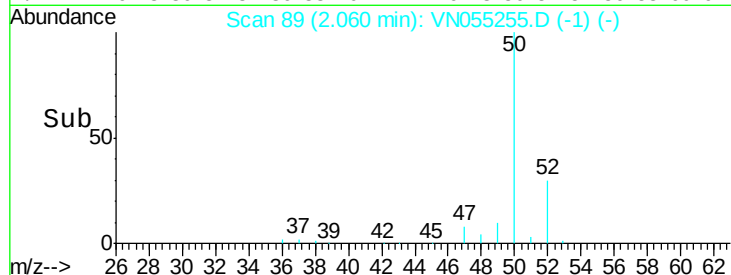
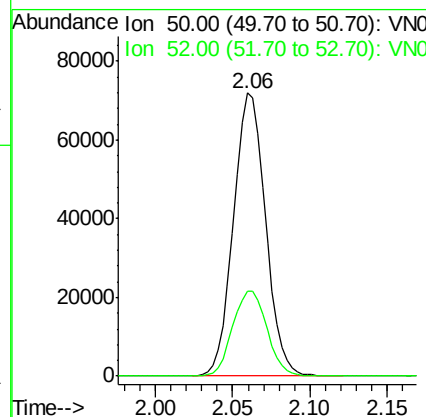
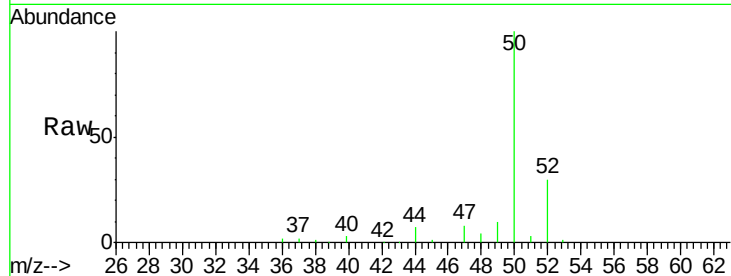
52 29.8 27.9 41.9

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#4

Vinyl Chloride

Concen: 19.644 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055255.D

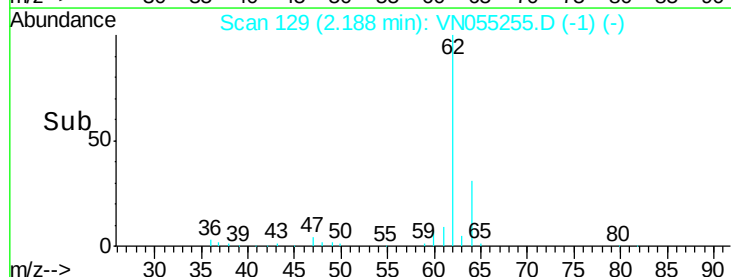
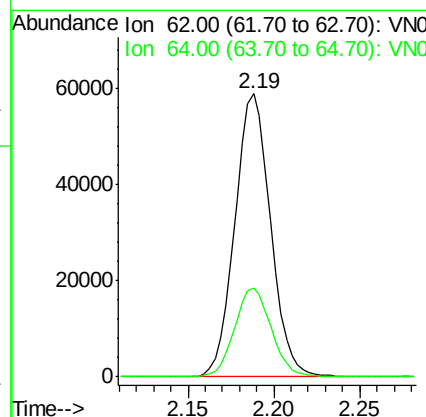
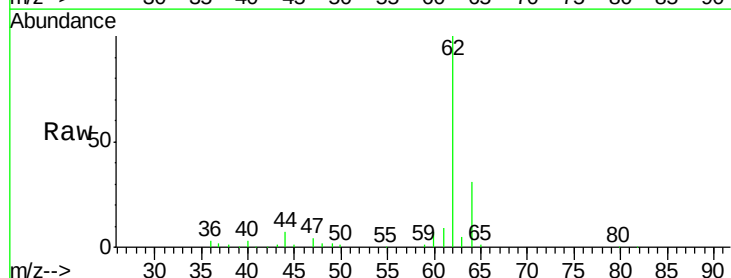
Acq: 25 Apr 2019 20:31

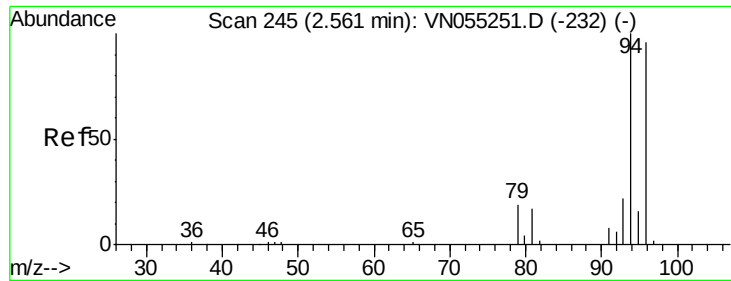
Tgt Ion: 62 Resp: 85000

Ion Ratio Lower Upper

62 100

64 31.2 25.6 38.4





#5

Bromomethane

Concen: 21.392 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 51568

Ion Ratio Lower Upper

94 100

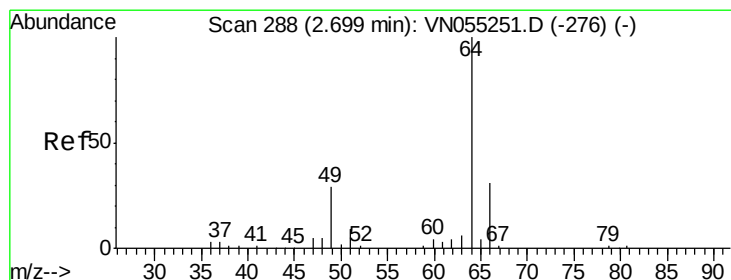
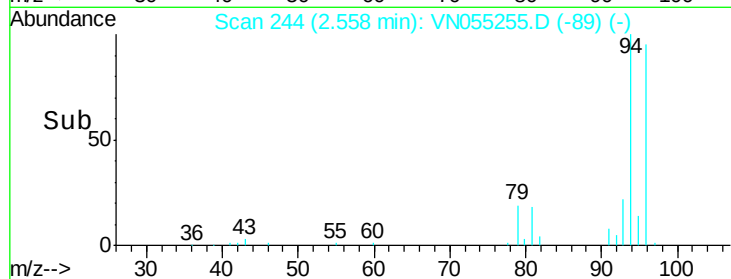
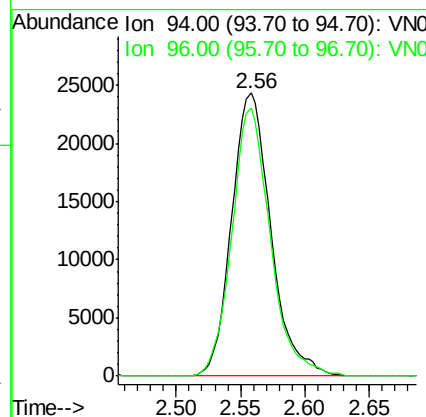
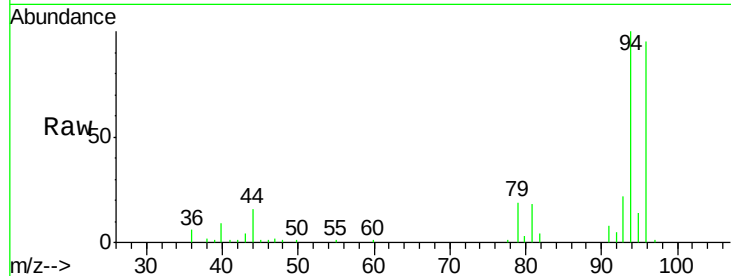
96 94.5 77.0 115.6

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#6

Chloroethane

Concen: 19.993 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055255.D

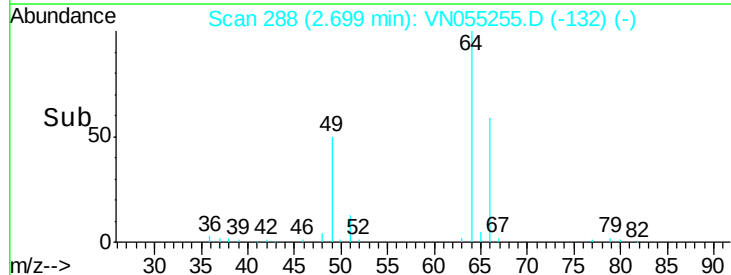
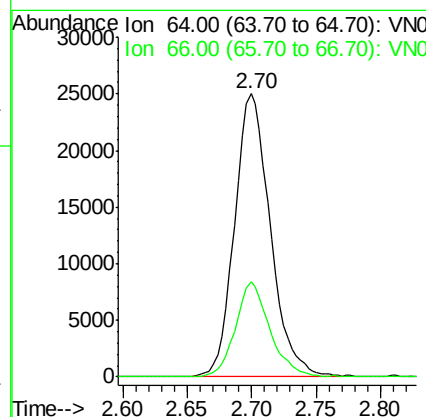
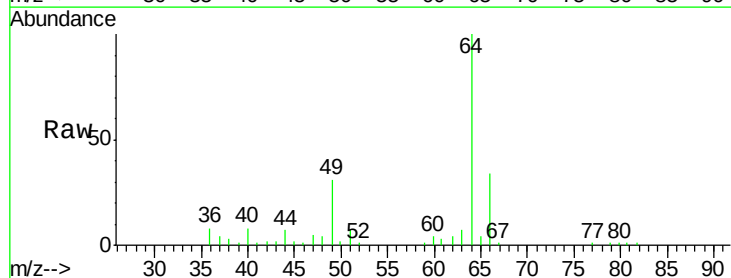
Acq: 25 Apr 2019 20:31

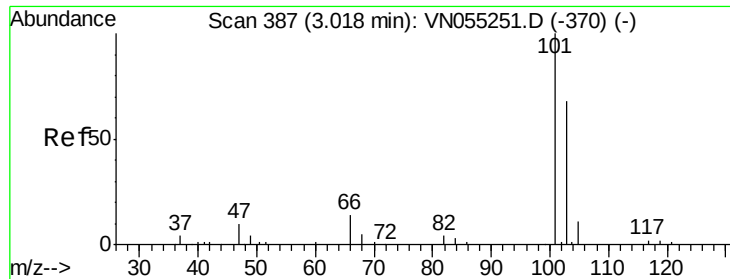
Tgt Ion: 64 Resp: 48191

Ion Ratio Lower Upper

64 100

66 33.6 24.6 36.8





#7

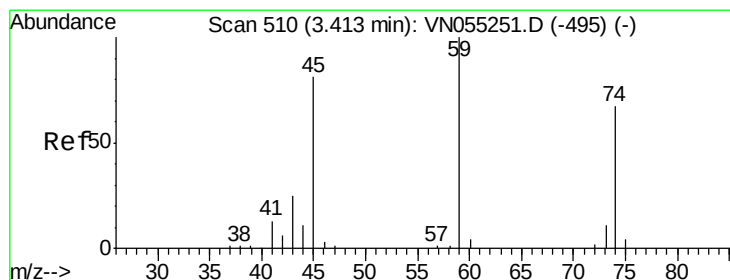
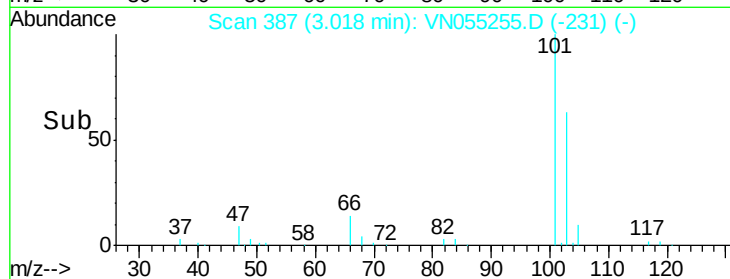
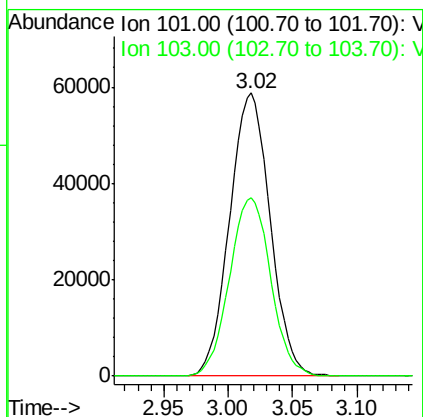
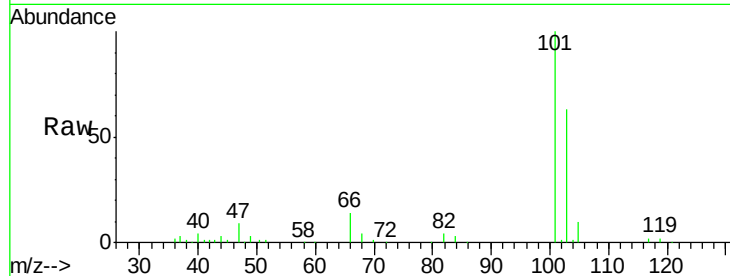
Trichlorofluoromethane
 Concen: 20.207 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055255.D
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Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	54.6	81.8

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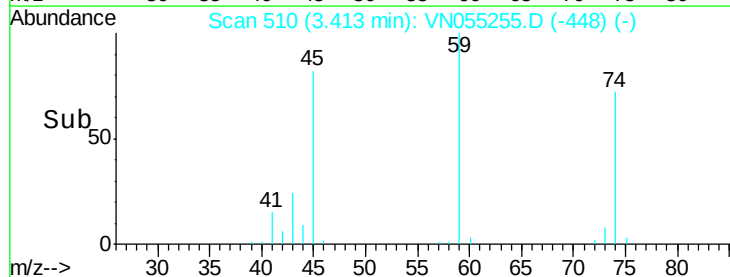
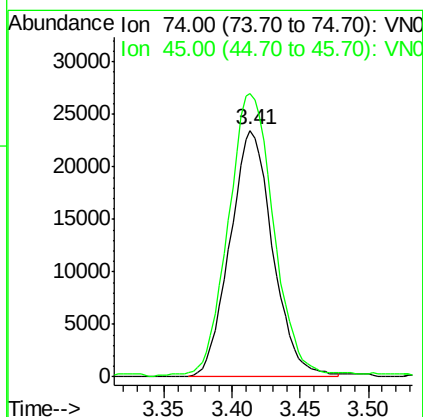
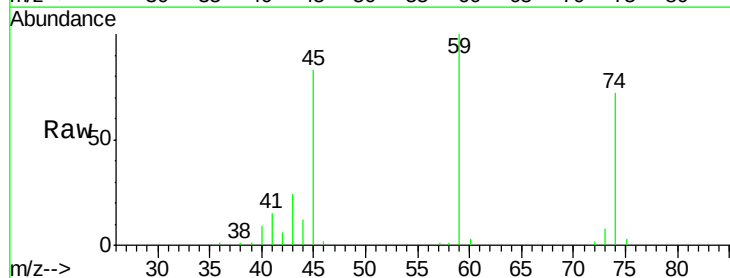
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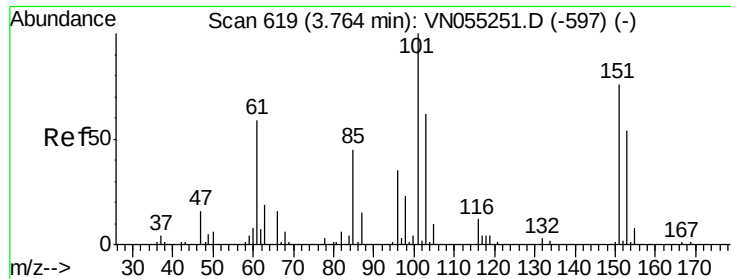


#8

Diethyl Ether
 Concen: 19.821 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.2	25.1	225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.589 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

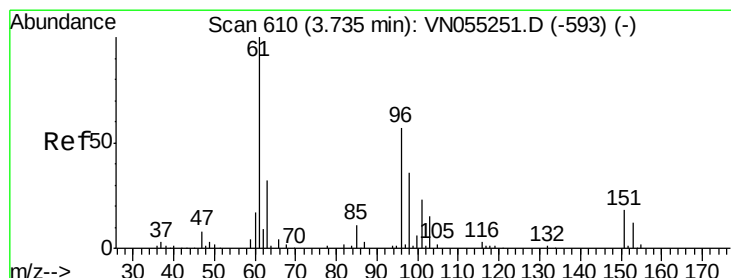
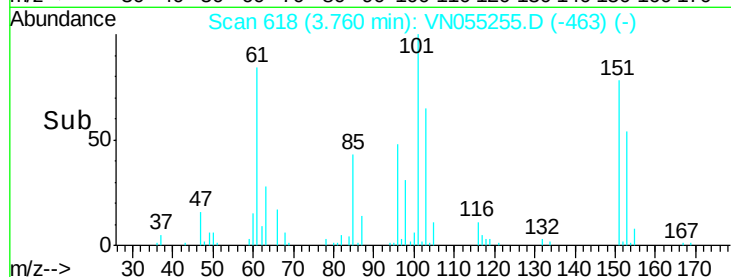
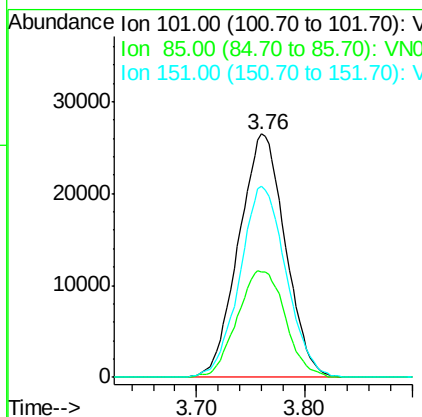
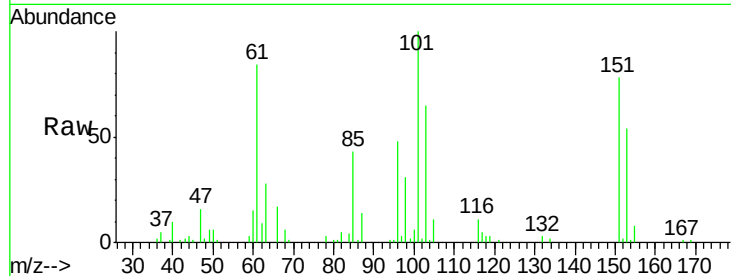
ClientSampleId :

ICVVN042619

Tot Ion:	101	Resp:	79309
Ion Ratio	Lower	Upper	
101	100		
85	45.0	0.0	89.0
151	78.3	0.0	154.4

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#10

1,1-Dichloroethene

Concen: 19.422 ug/l

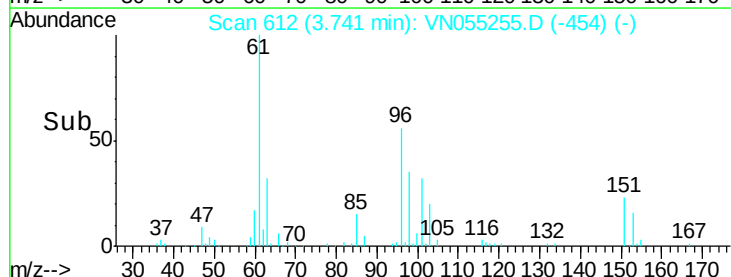
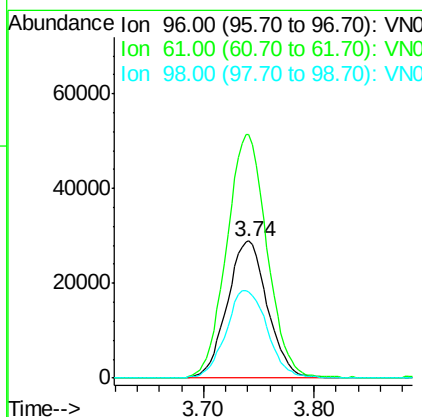
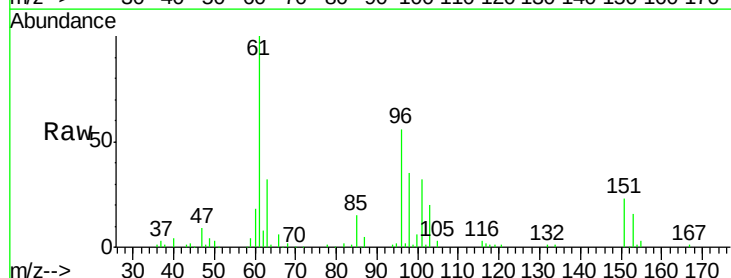
RT: 3.74 min Scan# 612

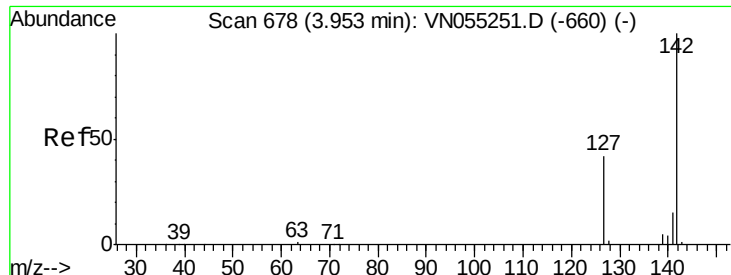
Delta R.T. 0.01 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Tgt Ion:	96	Resp:	73206
Ion Ratio	Lower	Upper	
96	100		
61	176.3	139.9	209.9
98	62.5	50.8	76.2





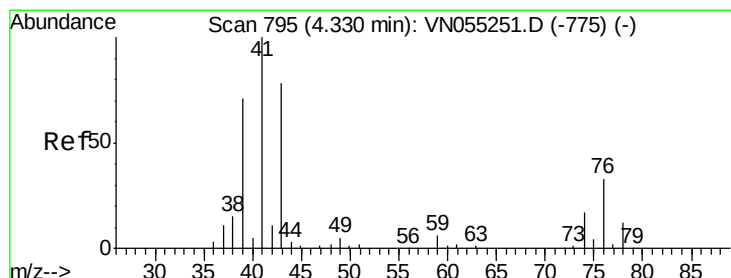
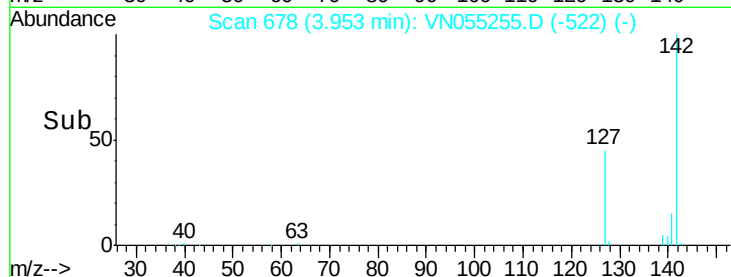
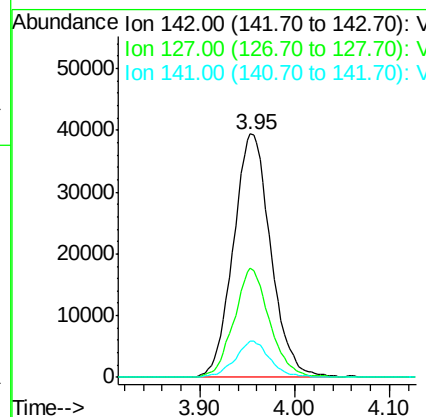
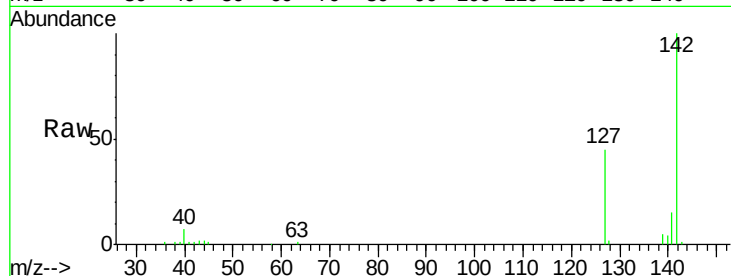
#11
Methvl Iodide
Concen: 18.256 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.9	20.9	62.7
141	14.8	7.6	22.8

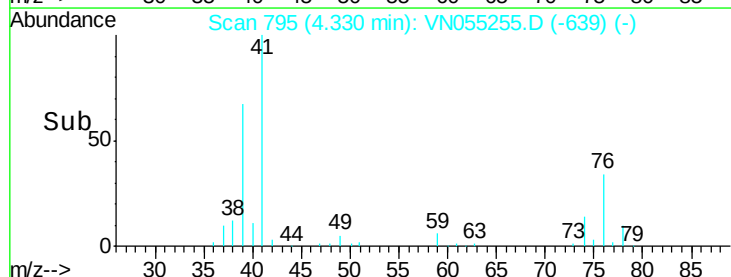
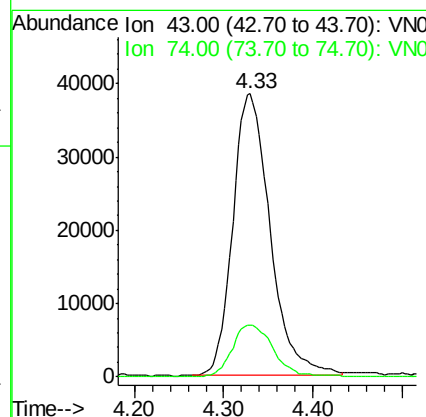
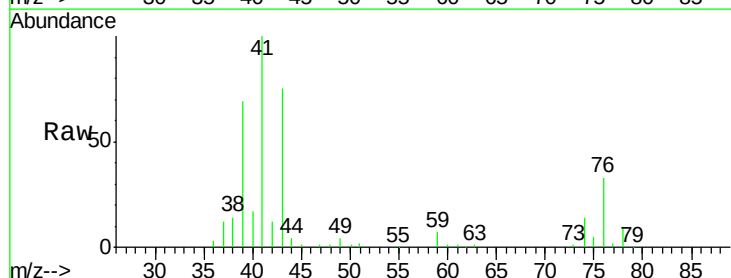
Manual Integrations
APPROVED

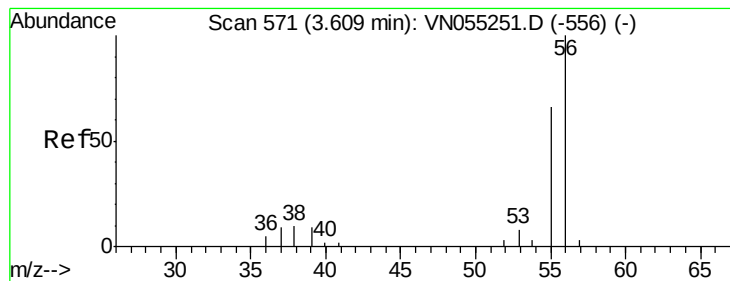
MMDadoda
4/26/2019 10:58:04 AM



#12
Methyl Acetate
Concen: 20.477 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.6	17.7	26.5





#13

Acrolein

Concen: 97.440 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

Tot Ion: 56 Resp: 23714

Ion Ratio Lower Upper

56 100

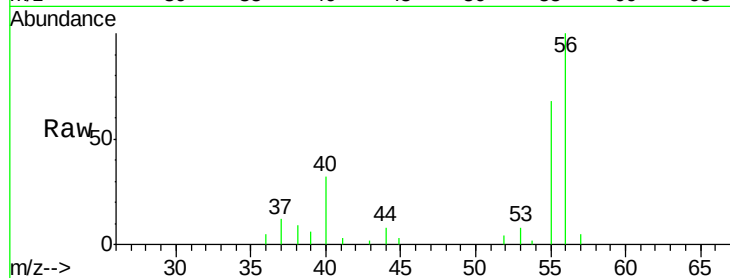
55 69.2 54.9 82.3

Manual Integrations

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MMdadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

10000

8000

6000

4000

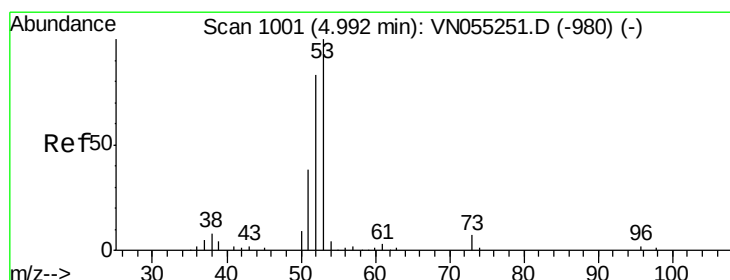
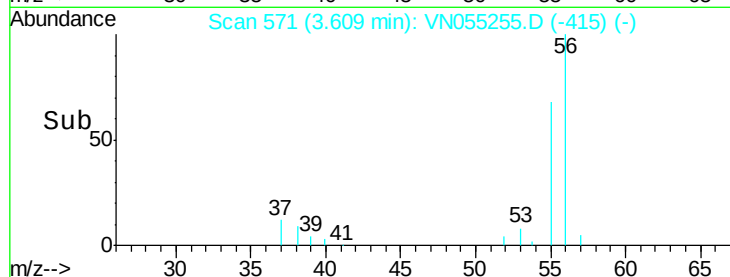
2000

0

Time-->

3.55 3.60 3.65 3.70

3.61



#14

Acrylonitrile

Concen: 101.174 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

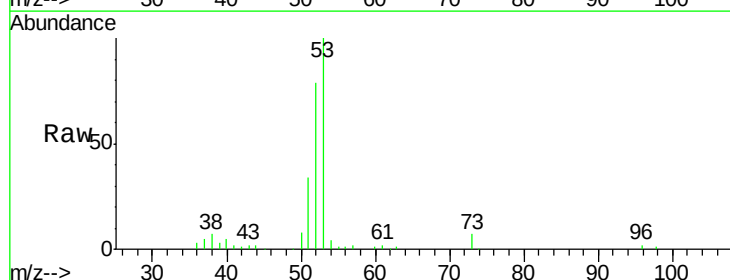
Tgt Ion: 53 Resp: 196602

Ion Ratio Lower Upper

53 100

52 82.9 41.0 123.2

51 35.1 18.1 54.4



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

80000

60000

40000

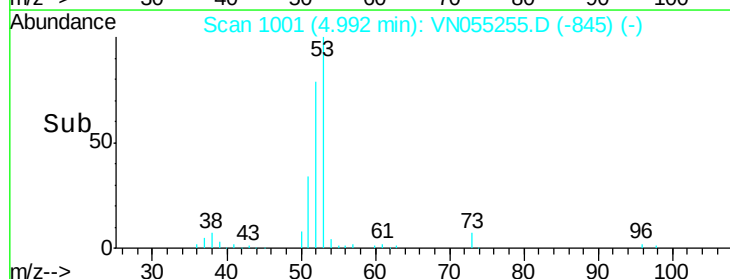
20000

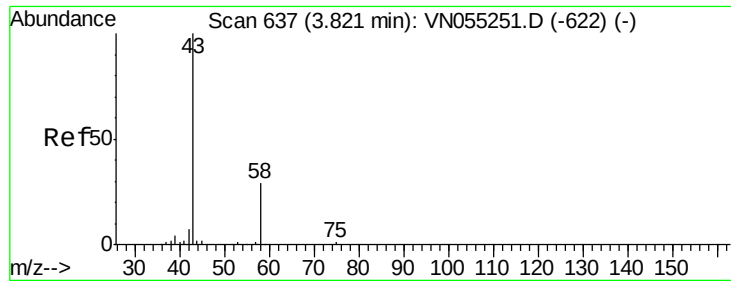
0

Time-->

4.90 5.00 5.10 5.20

4.99





#15

Acetone

Concen: 91.676 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

Tot Ion: 58 Resp: 42917

Ion Ratio Lower Upper

58 100

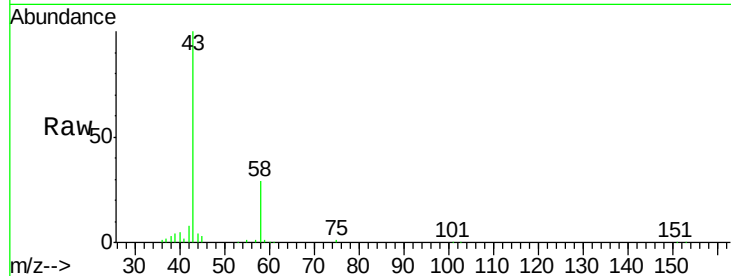
43 334.9 278.2 417.2

Manual Integrations

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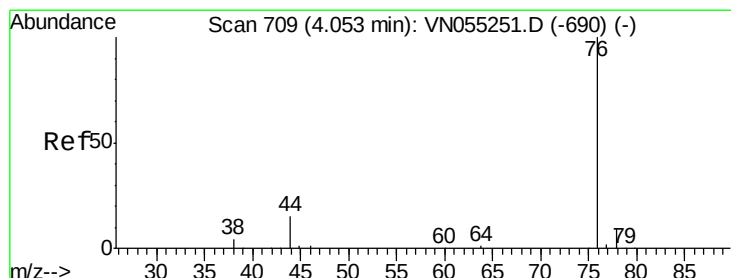
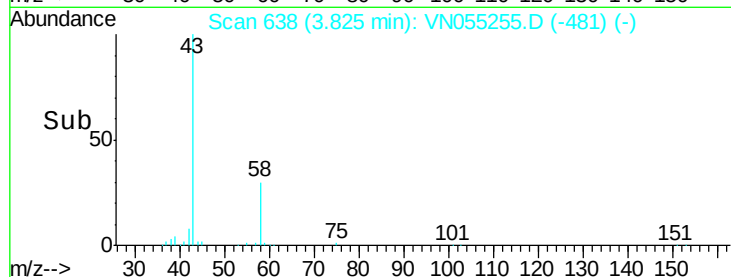
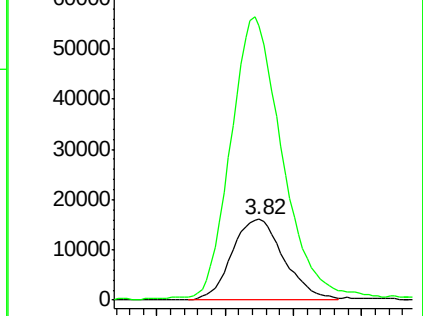
MMdadoda

4/26/2019 10:58:04 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.522 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN055255.D

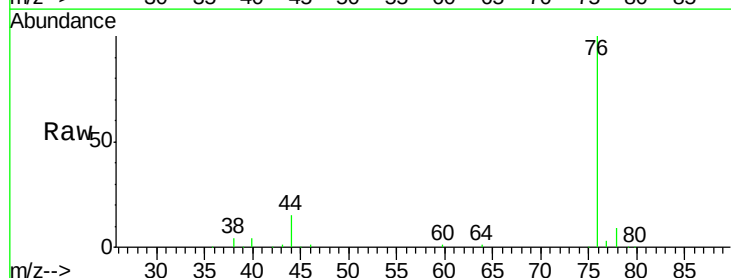
Acq: 25 Apr 2019 20:31

Tgt Ion: 76 Resp: 199998

Ion Ratio Lower Upper

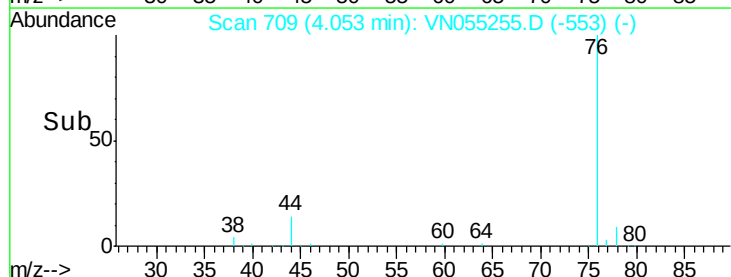
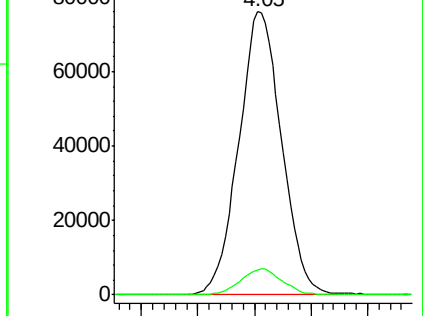
76 100

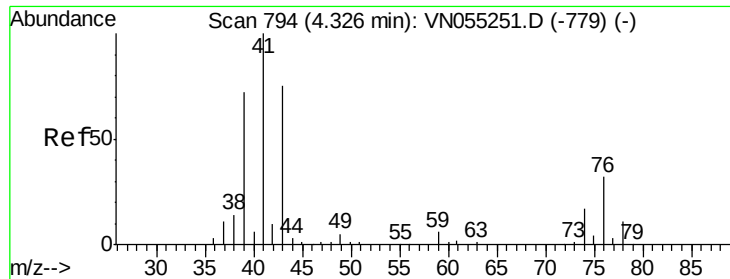
78 8.9 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





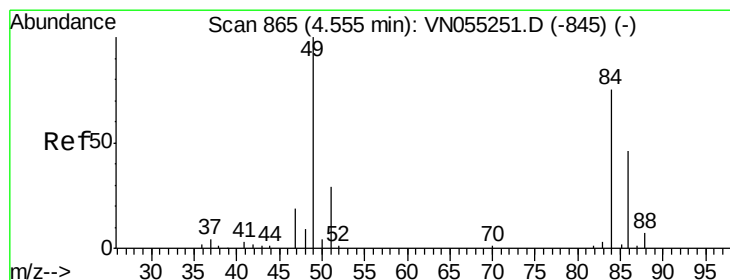
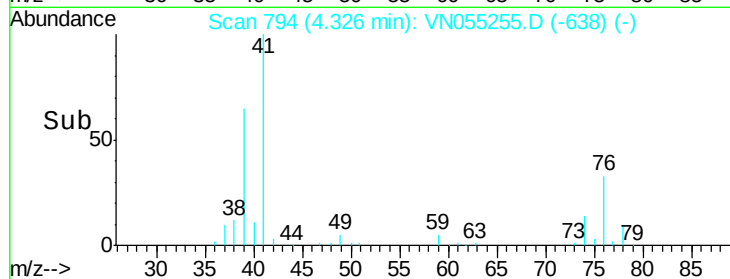
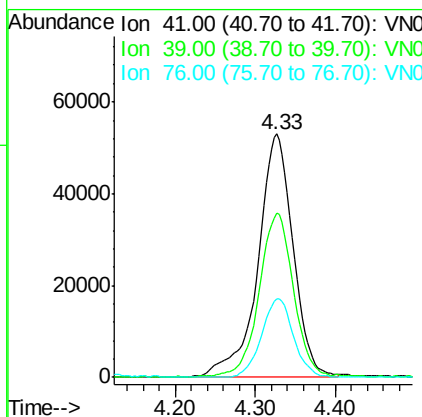
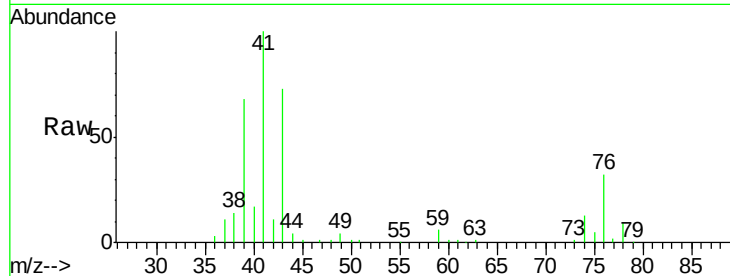
#17
Allvl chloride
Concen: 19.914 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.2	34.4	103.2
76	32.3	15.3	45.9

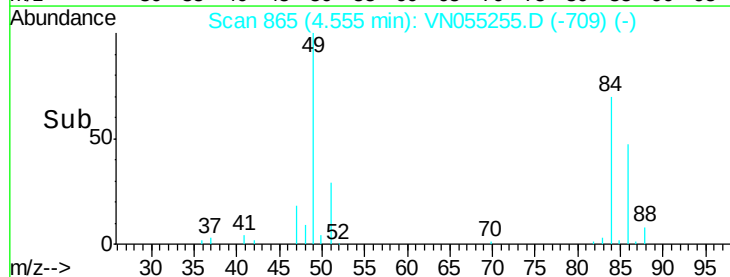
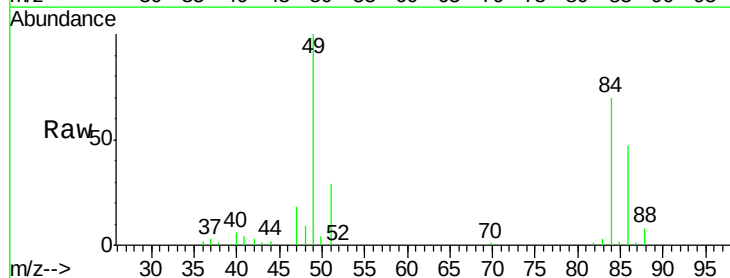
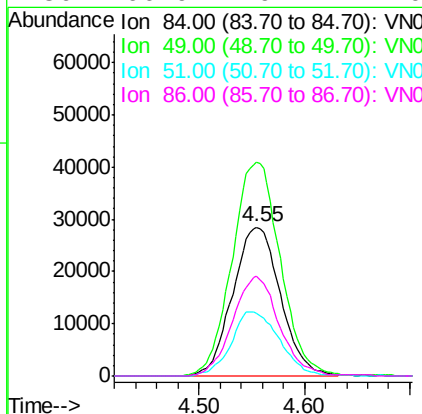
Manual Integrations
APPROVED

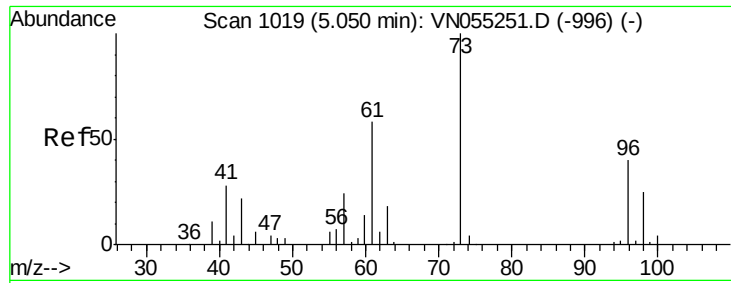
MMDadoda
4/26/2019 10:58:04 AM



#18
Methylene Chloride
Concen: 19.186 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.5	107.2	160.8
51	42.0	31.4	47.2
86	66.9	49.4	74.0





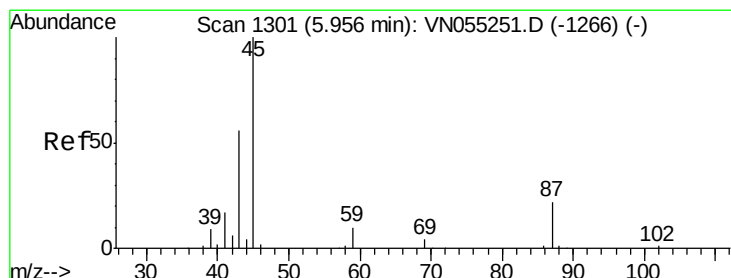
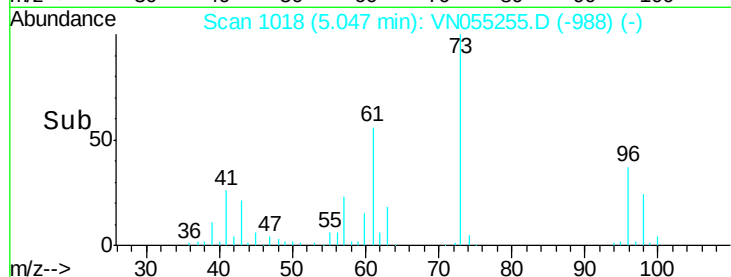
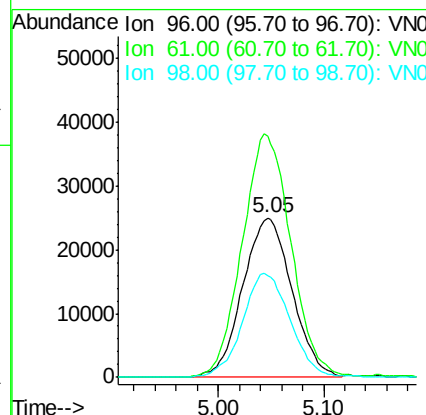
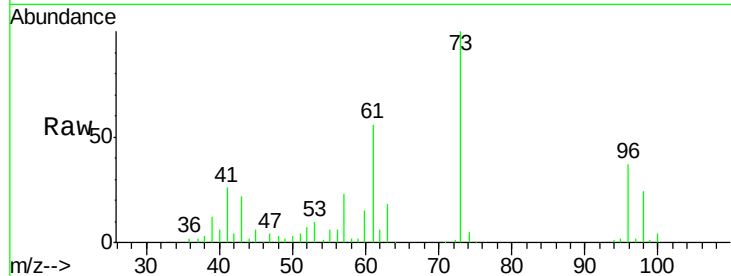
#19
trans-1,2-Dichloroethene
Concen: 19.771 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		81190		
61	150.2		116.3	174.5	
98	63.9		49.4	74.2	

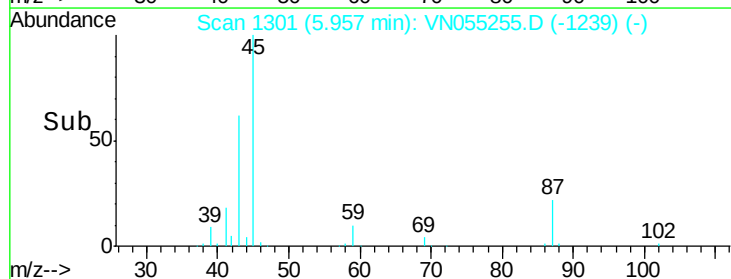
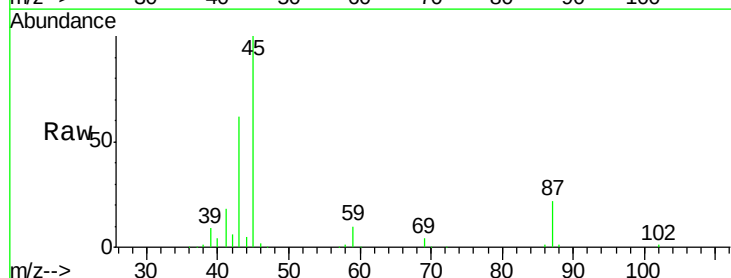
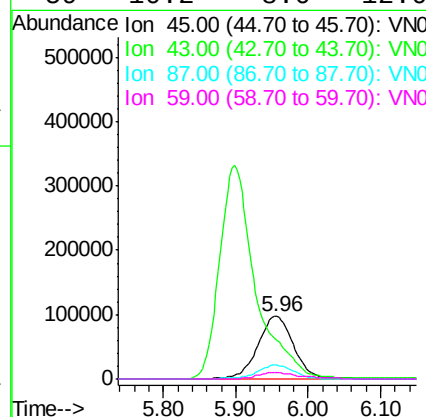
Manual Integrations
APPROVED

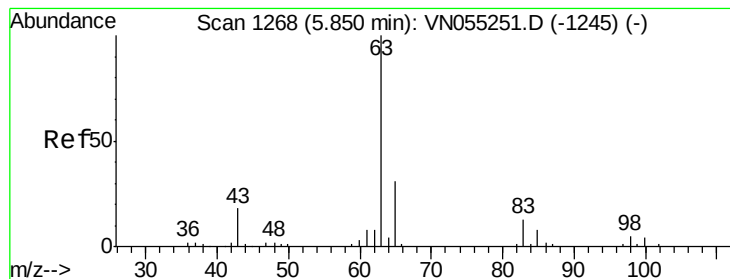
MMdadoda
4/26/2019 10:58:04 AM



#20
Diisopropyl ether
Concen: 20.234 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		334847		
43	60.1		46.1	69.1	
87	21.6		18.3	27.5	
59	10.2		8.0	12.0	





#21

1,1-Dichloroethane

Concen: 19.569 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

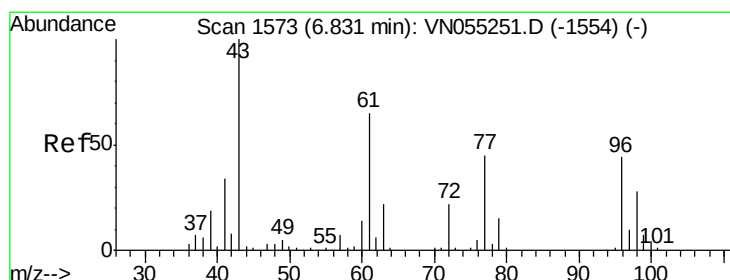
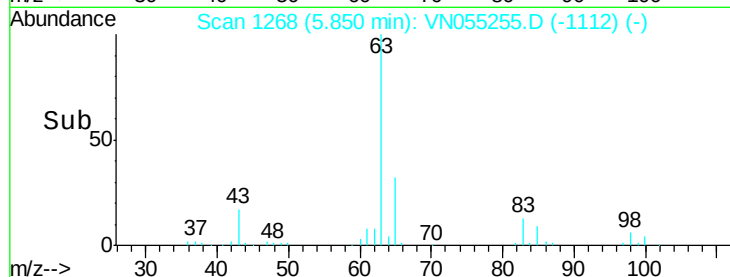
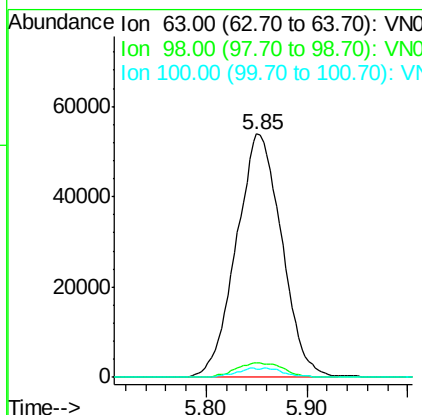
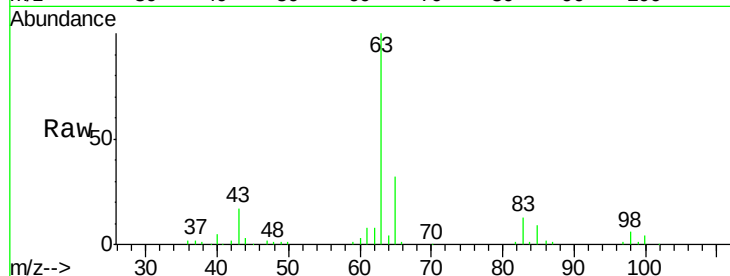
ClientSampleId :

ICVVN042619

Tot Ion	Ratio	Resp	Lower	Upper
63	100	168288		
98	5.9	2.8	8.3	
100	3.6	2.0	5.8	

Manual Integrations
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MMdadoda
4/26/2019 10:58:04 AM



#22

cis-1,2-Dichloroethene

Concen: 19.585 ug/l

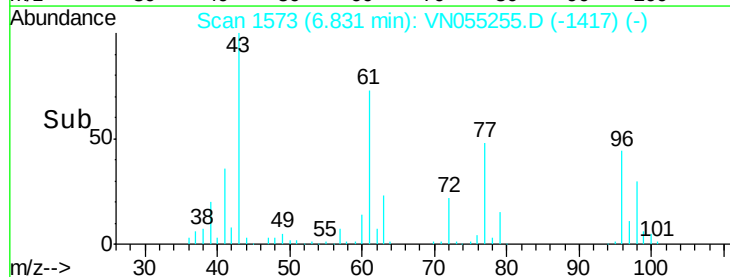
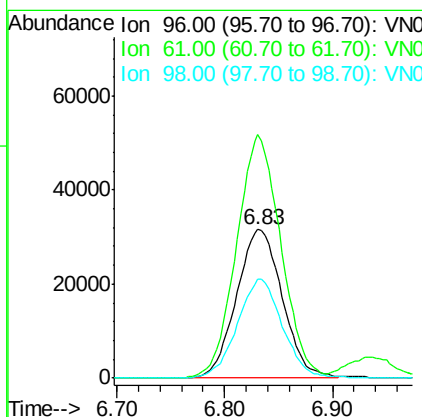
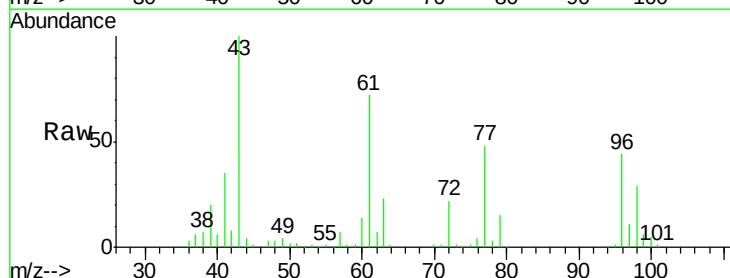
RT: 6.83 min Scan# 1573

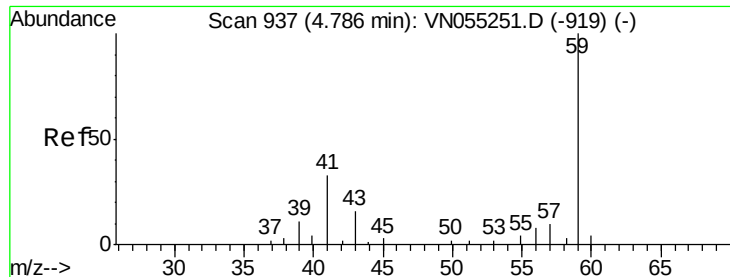
Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	93174		
61	158.7	129.1	193.7	
98	65.3	53.2	79.8	





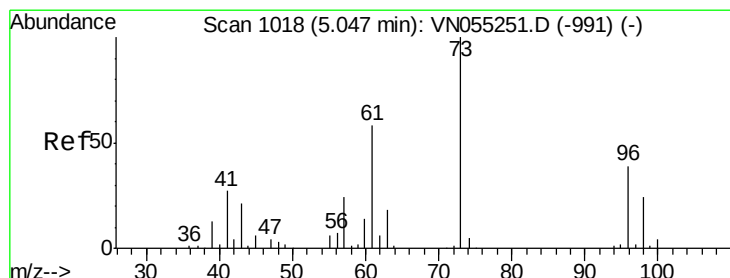
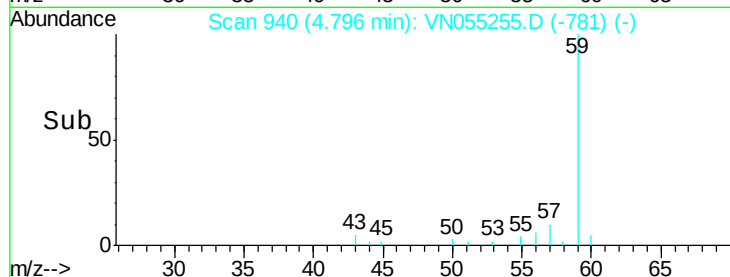
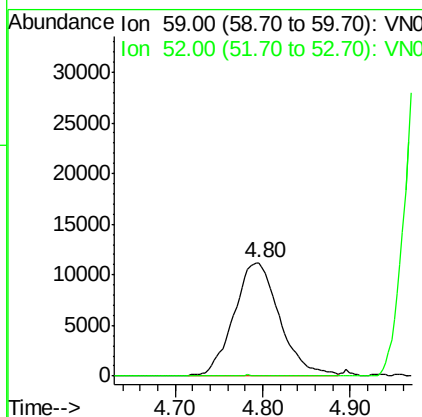
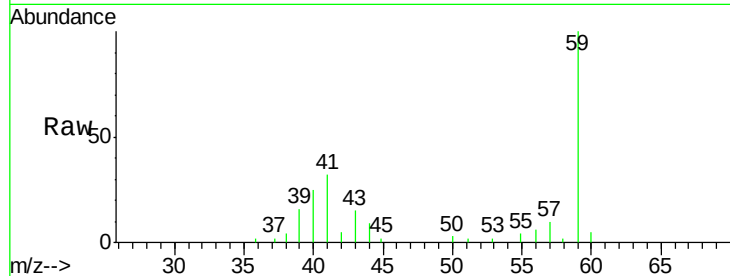
#23
 tert-Butyl Alcohol
 Concen: 102.562 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

Tot Ion: 59 Resp: 40689
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

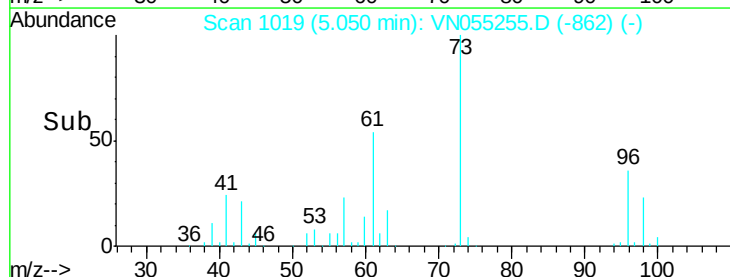
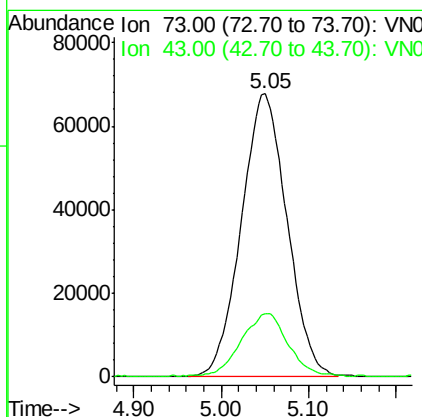
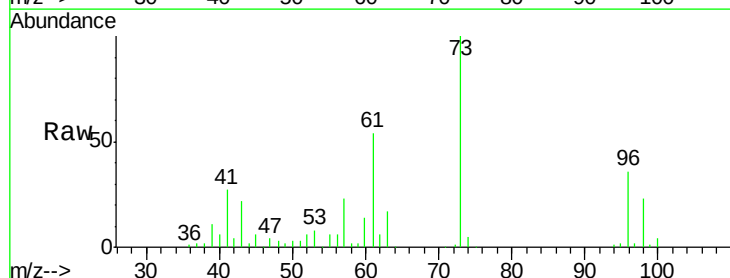
Manual Integrations
 APPROVED

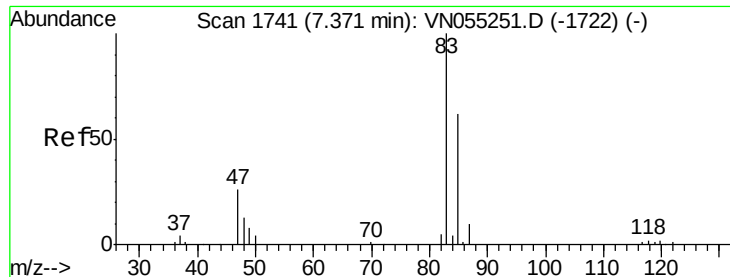
MMDadoda
 4/26/2019 10:58:04 AM



#24
 Methyl tert-Butyl Ether
 Concen: 20.007 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion: 73 Resp: 245747
 Ion Ratio Lower Upper
 73 100
 43 23.2 17.9 26.9





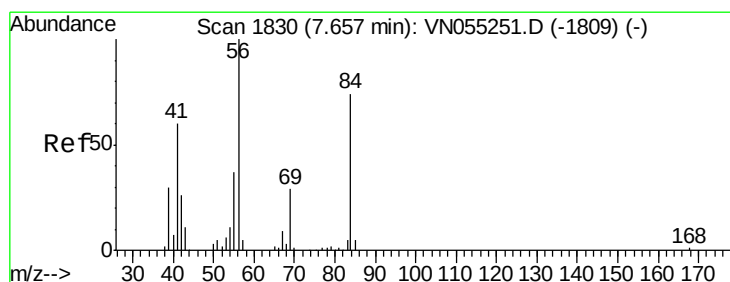
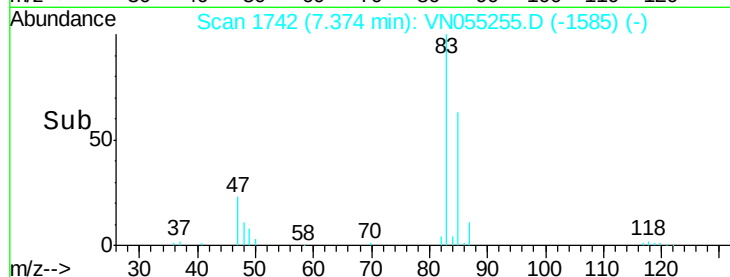
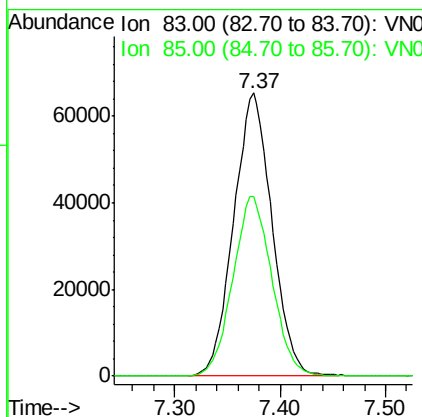
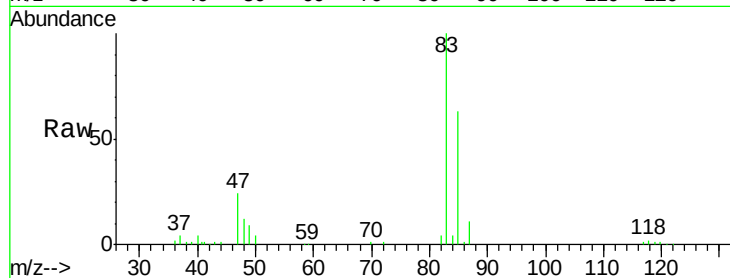
#25
Chloroform
Concen: 20.387 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

Tot Ion	83	Resp	164740
Ion Ratio	Lower	Upper	
83	100		
85	63.3	49.7	74.5

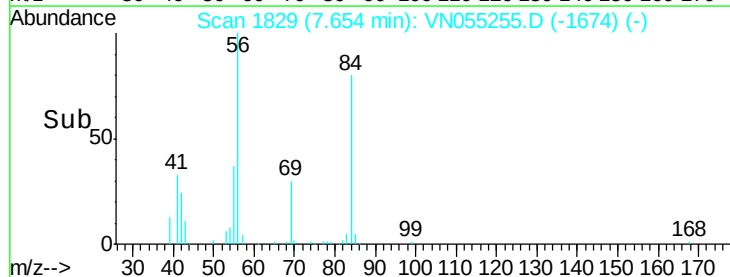
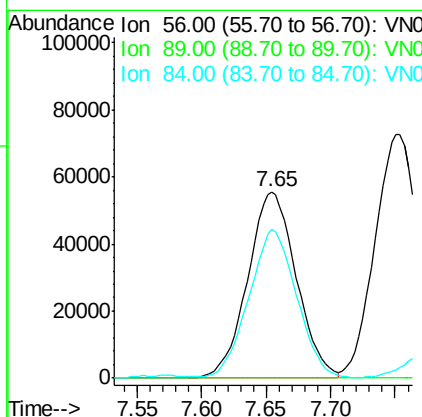
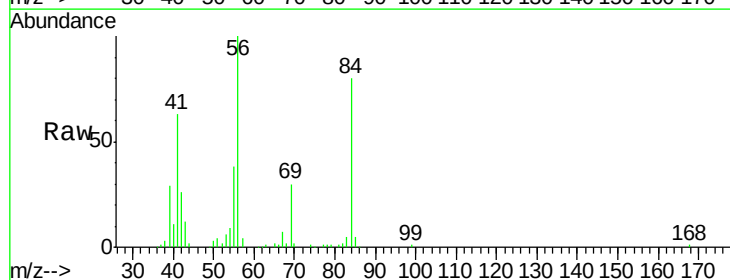
Manual Integrations
APPROVED

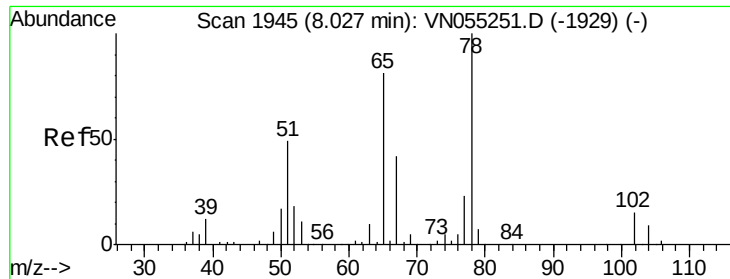
MMDadoda
4/26/2019 10:58:04 AM



#26
Cyclohexane
Concen: 19.506 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion	56	Resp	145682
Ion Ratio	Lower	Upper	
56	100		
89	0.0	0.0	0.0
84	78.6	63.5	95.3





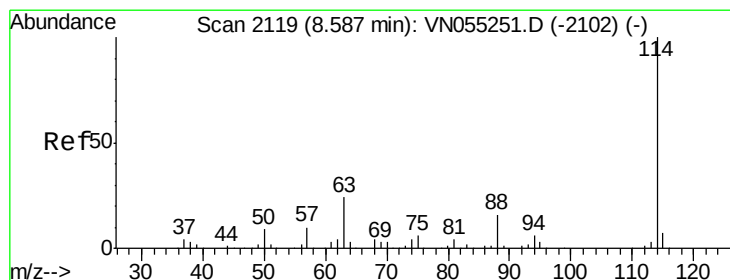
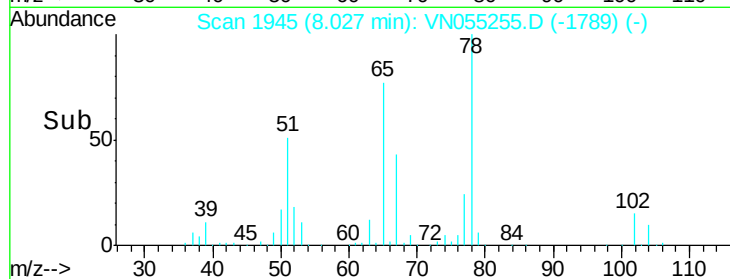
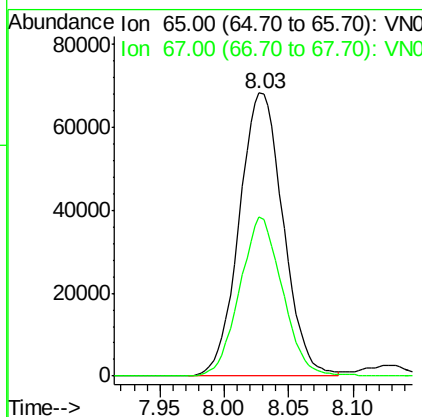
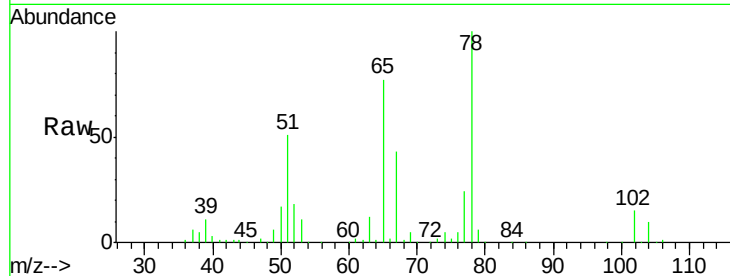
#27
 1,2-Dichloroethane-d4
 Concen: 29.509 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	41.9	62.9

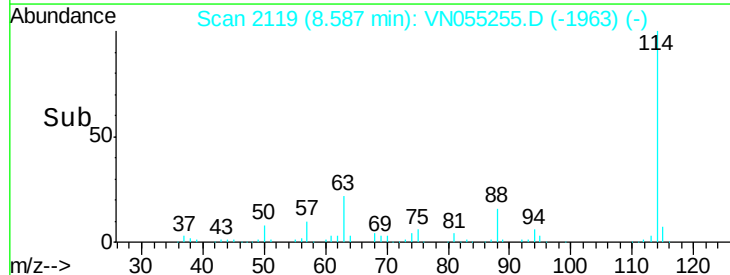
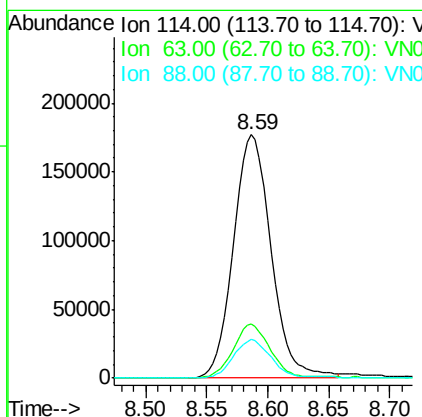
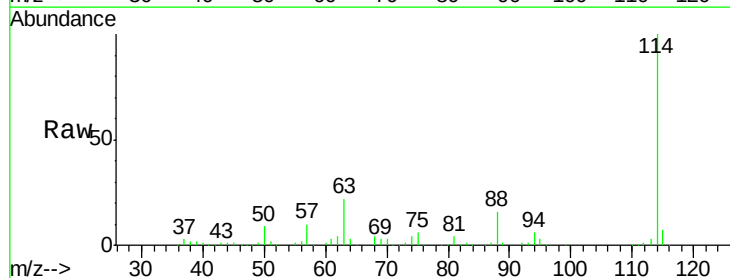
Manual Integrations
 APPROVED

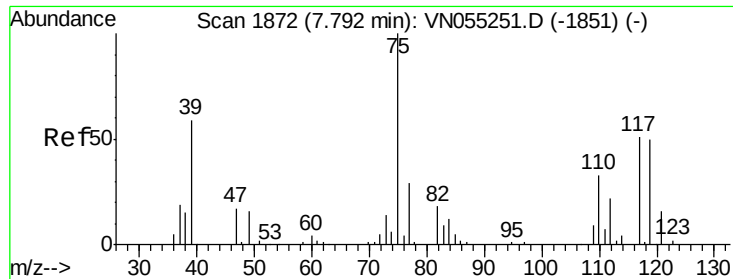
MMDadoda
 4/26/2019 10:58:04 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	18.2	27.2
88	15.7	12.6	18.8





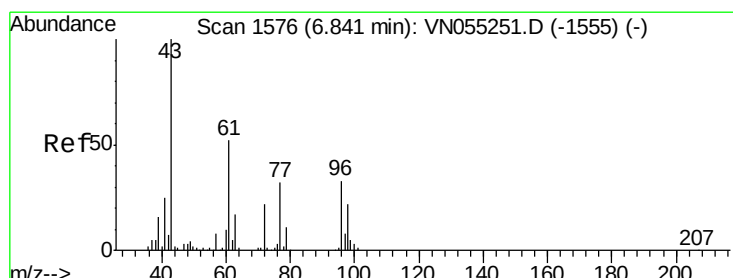
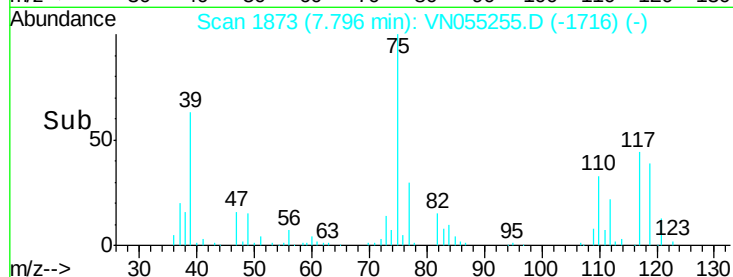
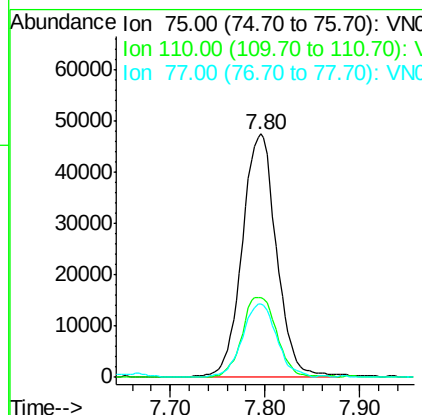
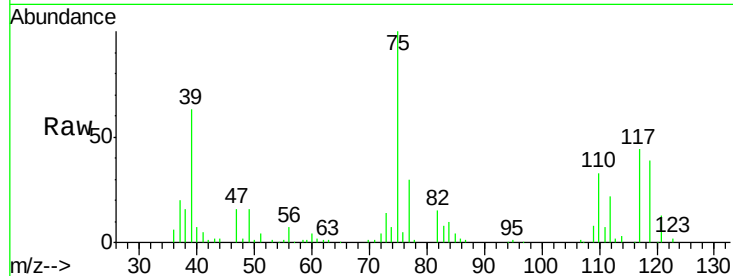
#29
 1,1-Dichloropropene
 Concen: 19.876 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.1	0.0	68.6
77	30.4	0.0	61.6

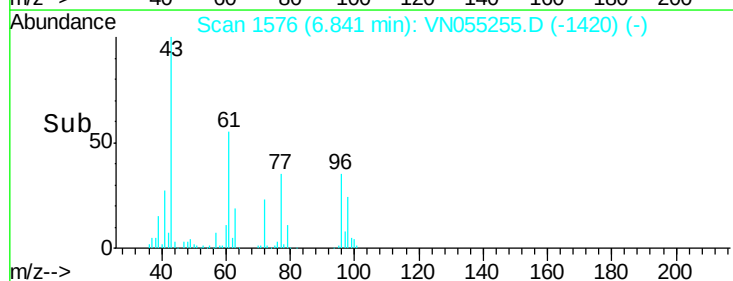
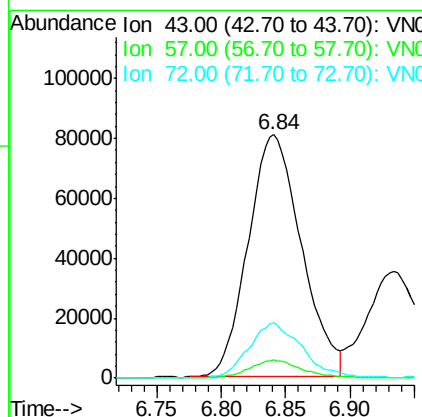
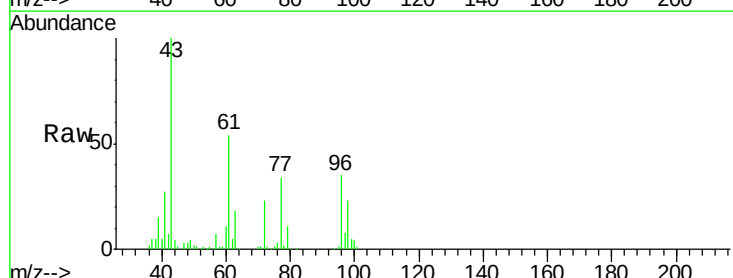
Manual Integrations
 APPROVED

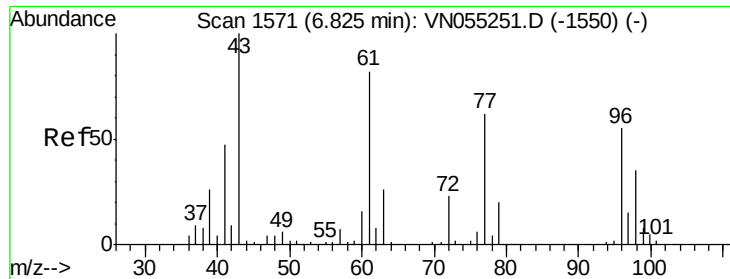
MMdadoda
 4/26/2019 10:58:04 AM



#30
 2-Butanone
 Concen: 95.517 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.3	6.0	9.0
72	22.7	17.9	26.9





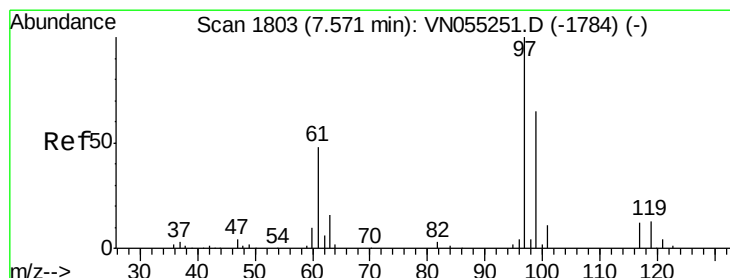
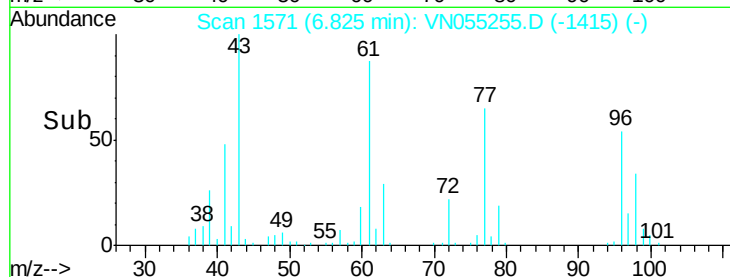
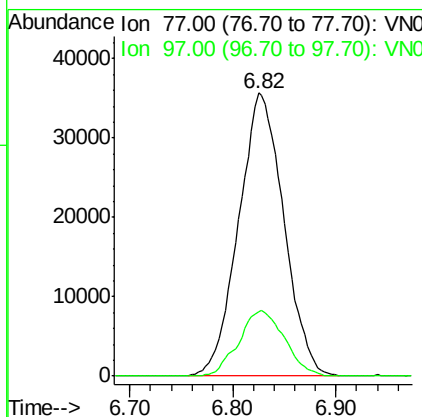
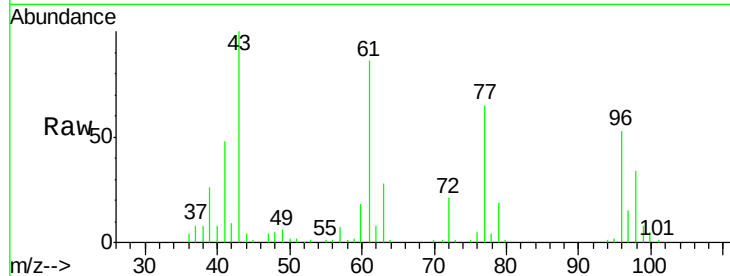
#31
 2,2-Dichloropropane
 Concen: 18.975 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

Tot Ion: 77 Resp: 108374
 Ion Ratio Lower Upper
 77 100
 97 23.5 18.6 28.0

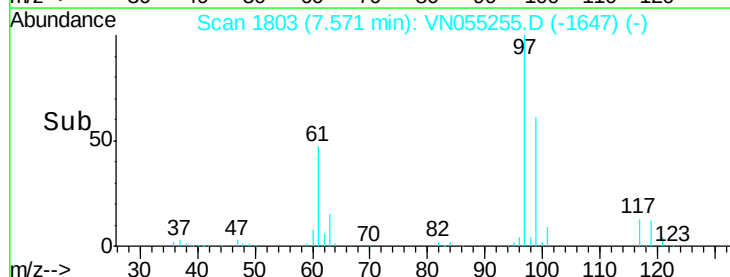
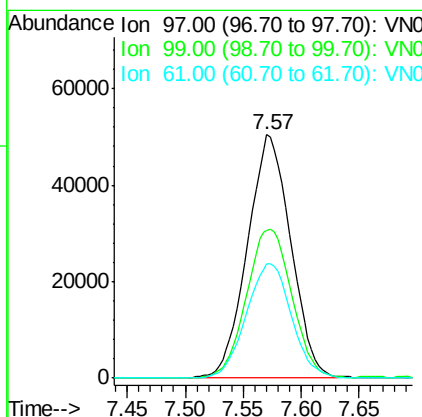
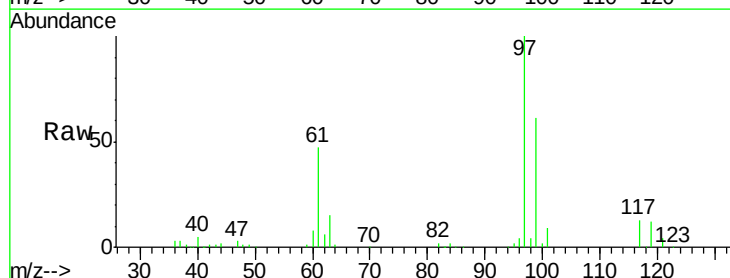
Manual Integrations
 APPROVED

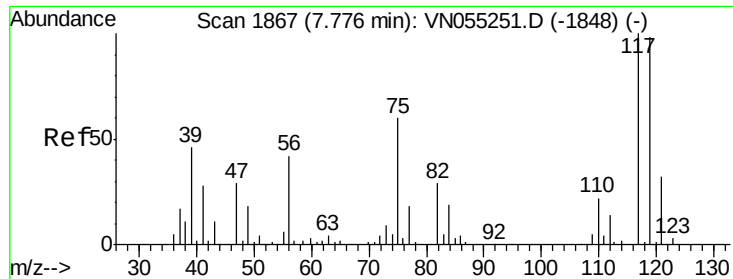
MMdadoda
 4/26/2019 10:58:04 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.596 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion: 97 Resp: 131361
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.2 76.8
 61 48.8 38.3 57.5





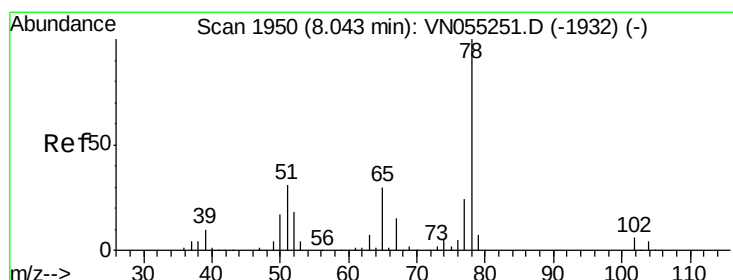
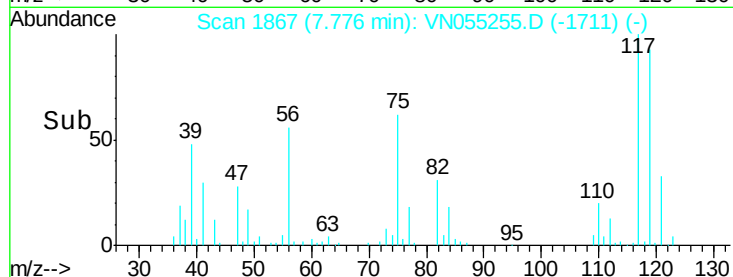
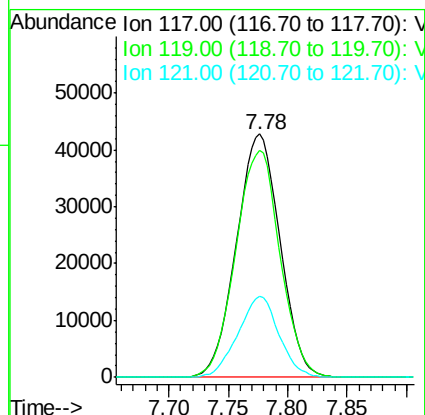
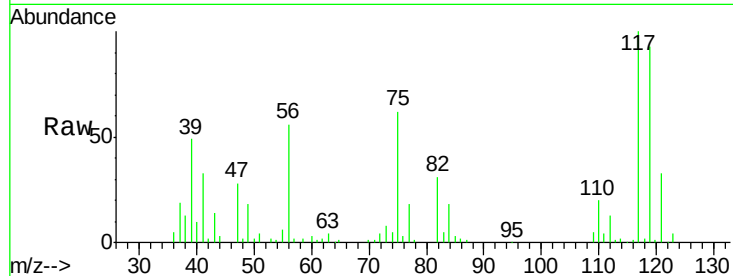
#33
Carbon Tetrachloride
Concen: 19.448 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampled :
ICVVN042619

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.4	78.7	118.1
121	33.1	25.8	38.6

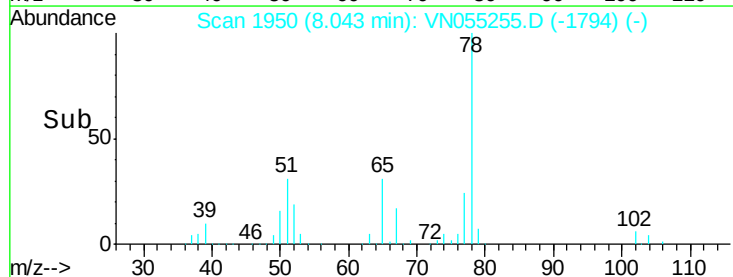
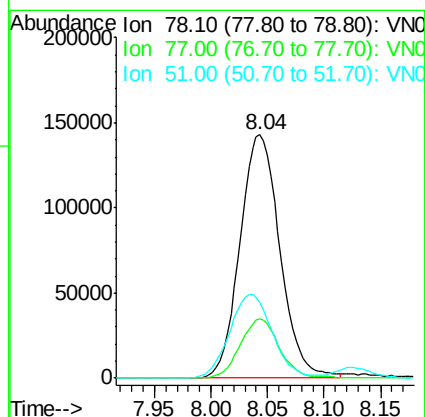
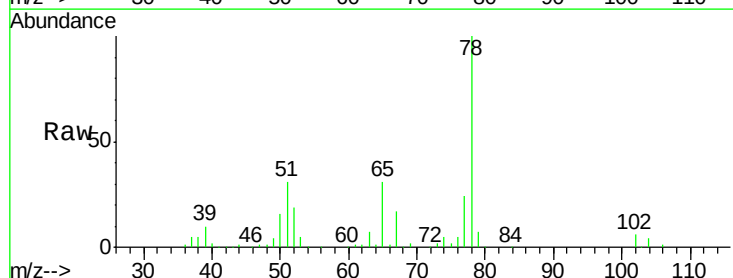
Manual Integrations
APPROVED

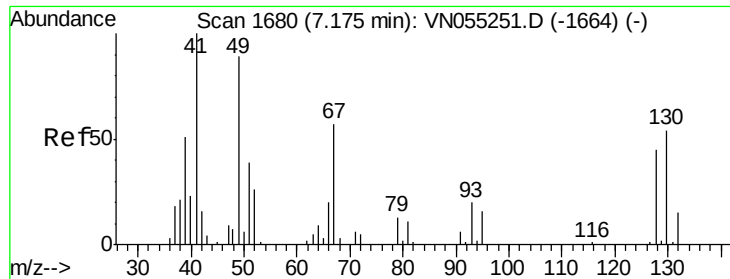
MMdadoda
4/26/2019 10:58:04 AM



#34
Benzene
Concen: 19.529 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.1	28.7
51	30.9	24.5	36.7





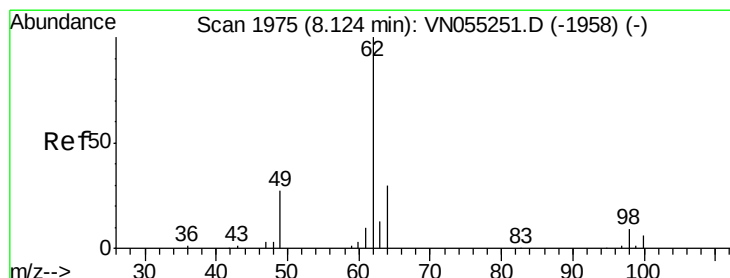
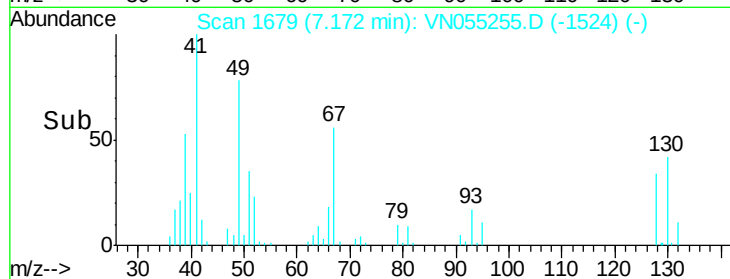
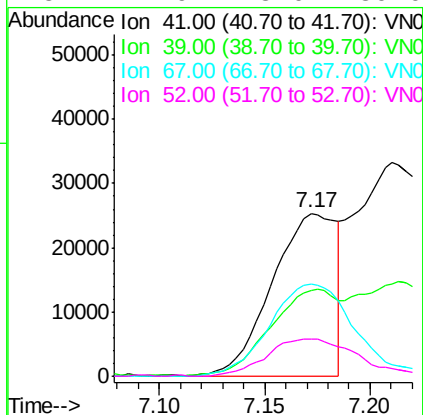
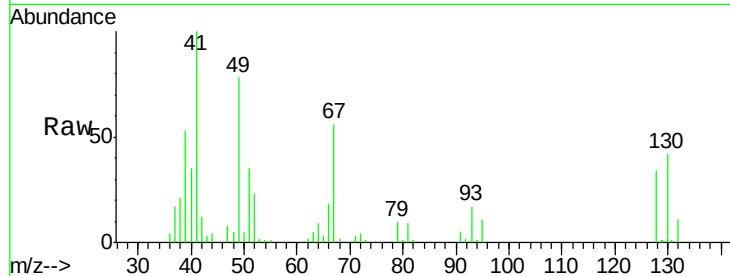
#35
Methacrylonitrile
Concen: 19.068 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

Tot Ion:	41	Resp:	53742
Ion	Ratio	Lower	Upper
41	100		
39	52.0	25.3	75.8
67	56.5	28.7	86.1
52	22.9	13.0	39.0

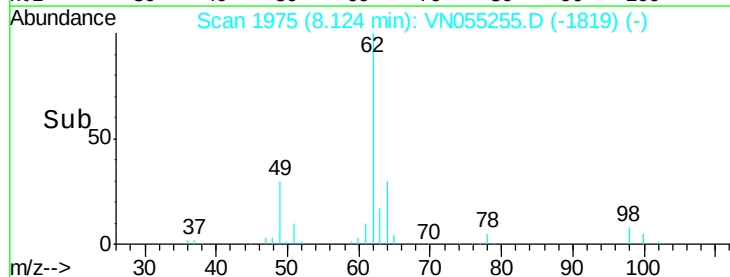
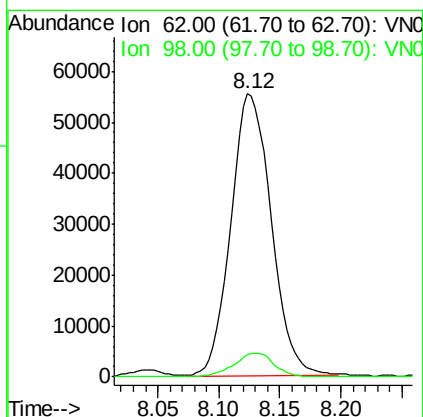
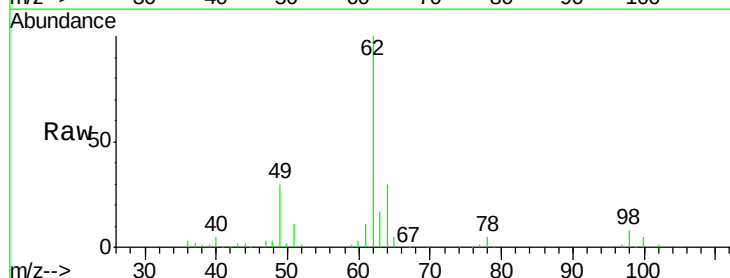
Manual Integrations
APPROVED

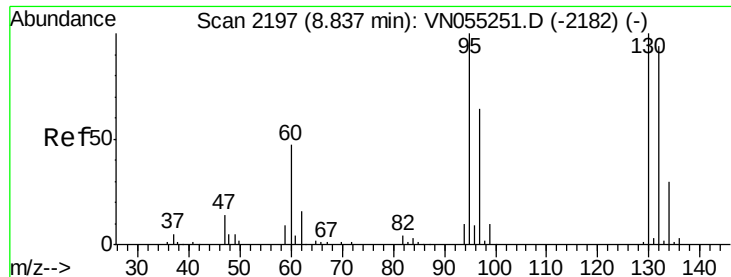
MMDadoda
4/26/2019 10:58:04 AM



#36
1,2-Dichloroethane
Concen: 19.740 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion:	62	Resp:	127132
Ion	Ratio	Lower	Upper
62	100		
98	8.5	6.8	10.2





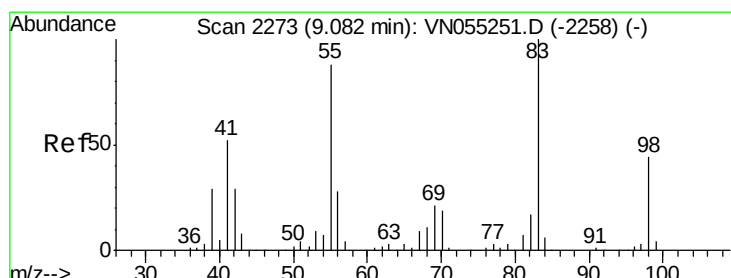
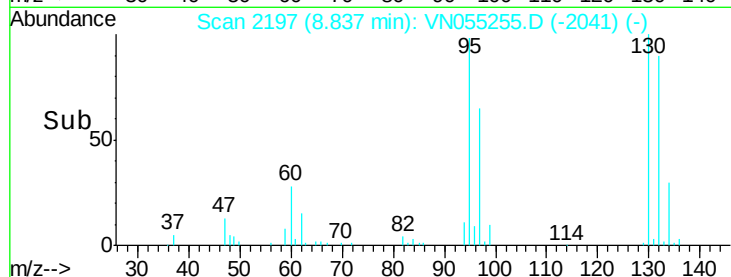
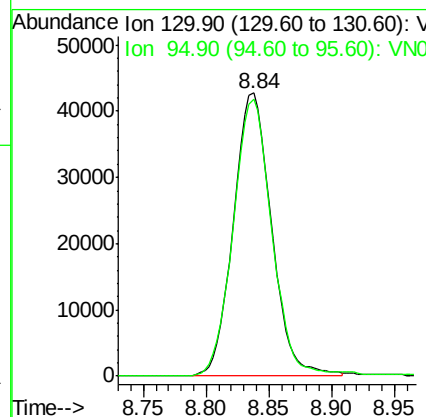
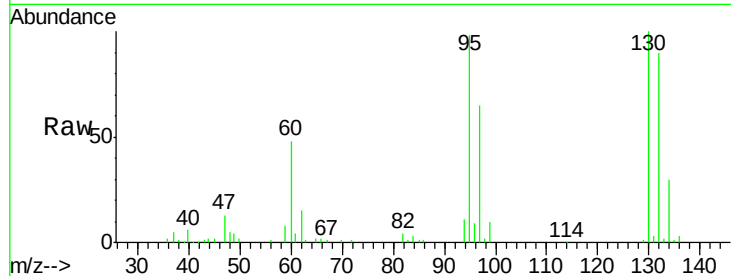
#37
 Trichloroethene
 Concen: 19.846 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

Tot Ion:130 Resp: 90428
 Ion Ratio Lower Upper
 130 100
 95 97.9 79.9 119.9

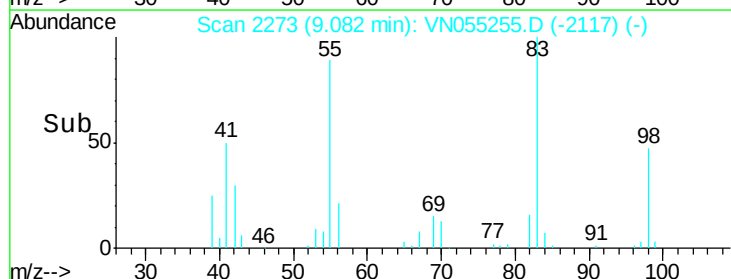
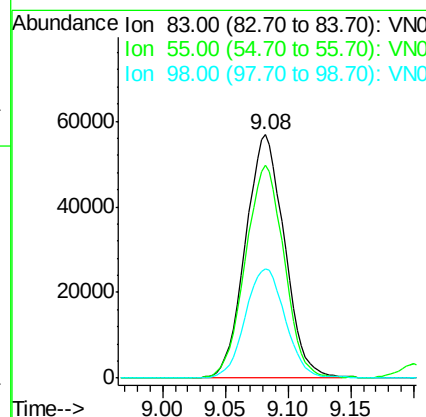
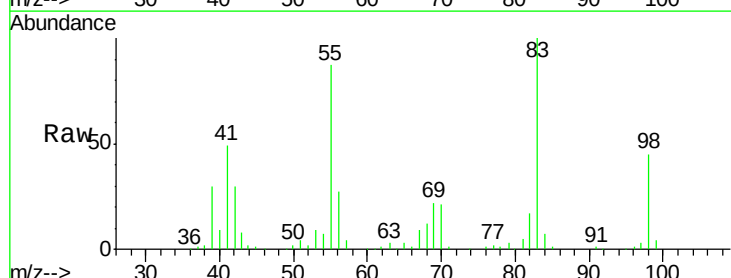
Manual Integrations
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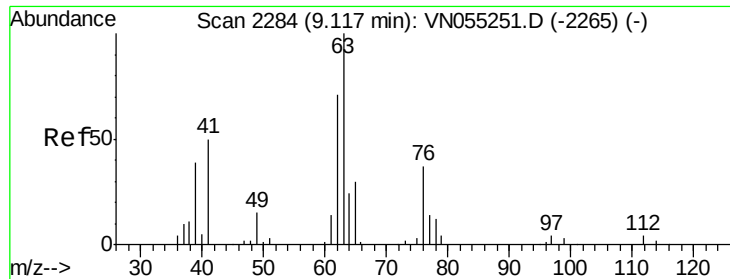
MMdadoda
 4/26/2019 10:58:04 AM



#38
 Methylcyclohexane
 Concen: 19.081 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion: 83 Resp: 123099
 Ion Ratio Lower Upper
 83 100
 55 86.8 43.8 131.4
 98 46.0 22.4 67.2





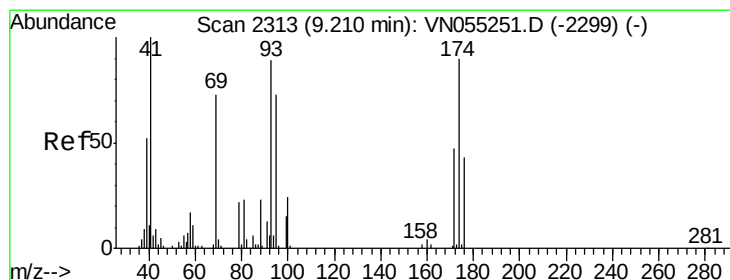
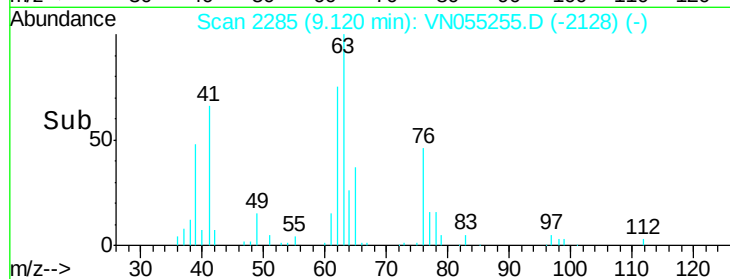
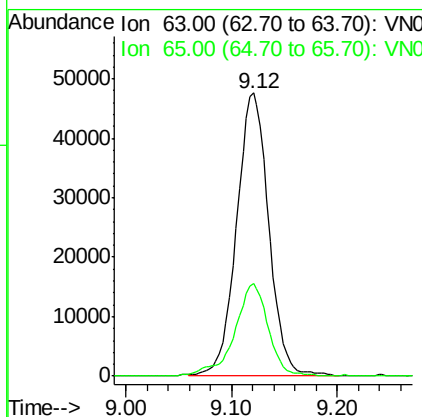
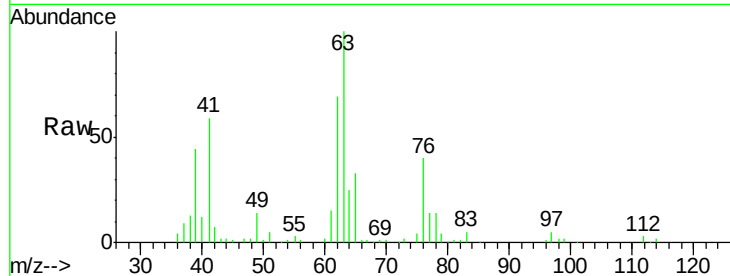
#39
 1,2-Dichloropropane
 Concen: 19.384 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN042619

Tot Ion	63	Resp	100176
Ion Ratio	Lower	Upper	
63	100		
65	32.7	24.6	36.8

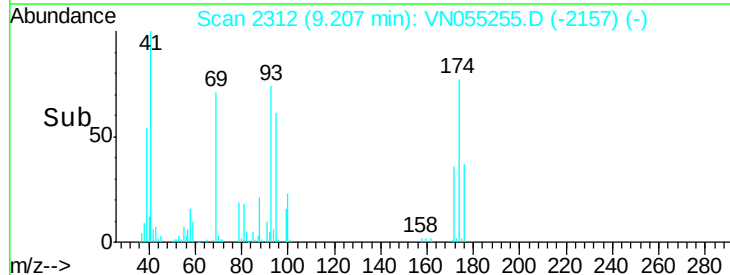
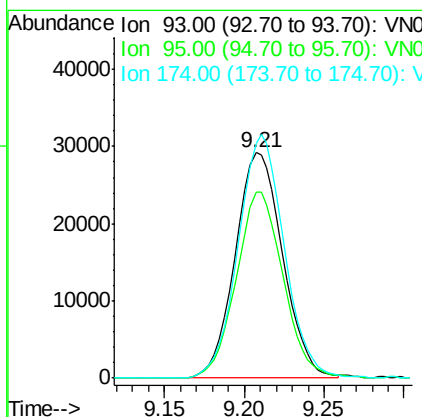
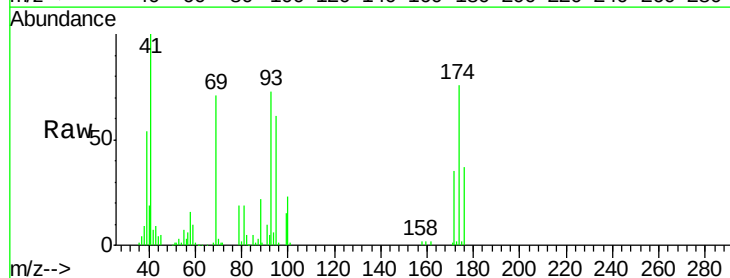
Manual Integrations
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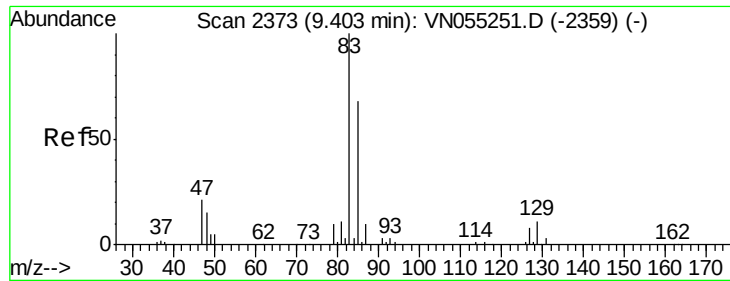
MMdadoda
 4/26/2019 10:58:04 AM



#40
 Dibromomethane
 Concen: 19.764 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion	93	Resp	59182
Ion Ratio	Lower	Upper	
93	100		
95	81.5	0.0	164.8
174	104.6	0.0	203.4





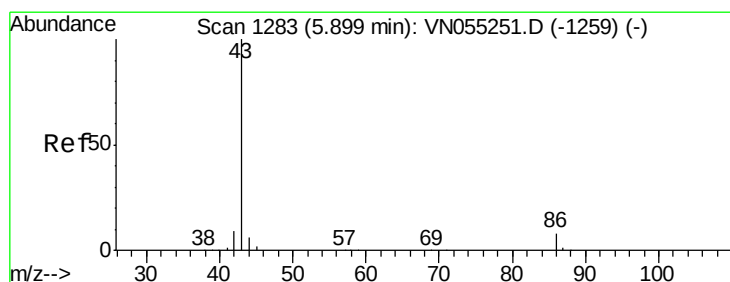
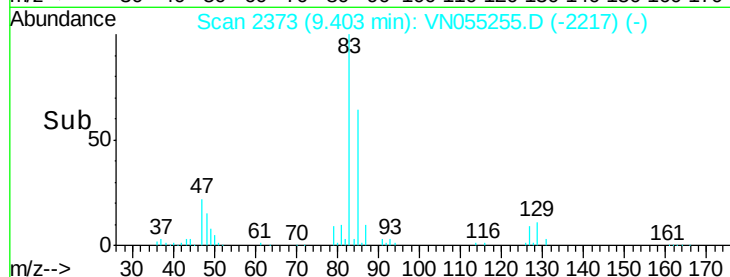
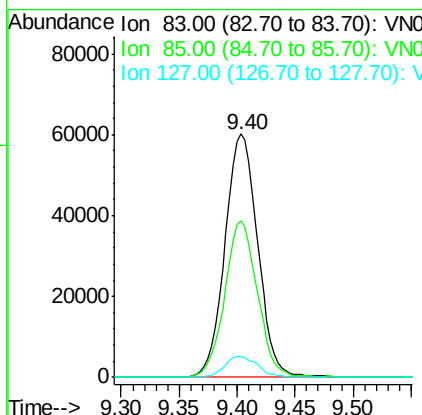
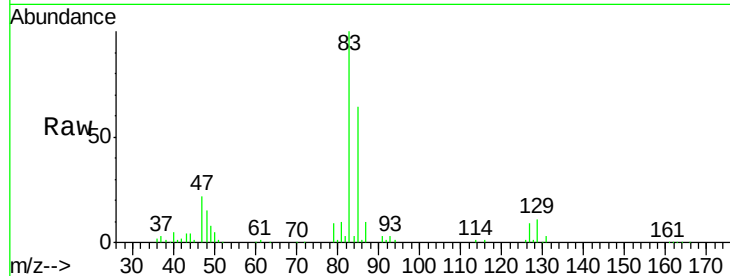
#41
Bromodichloromethane
Concen: 19.398 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

Tot Ion	83	Resp	118133
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	54.5	81.7
127	8.7	6.4	9.6

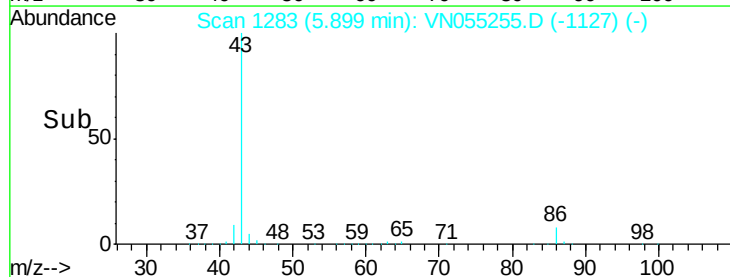
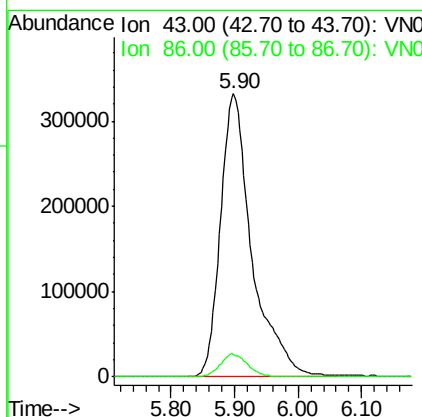
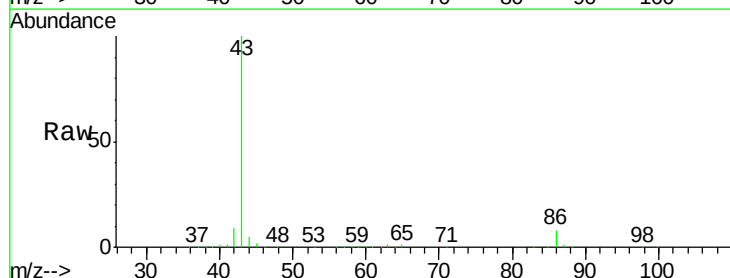
Manual Integrations
APPROVED

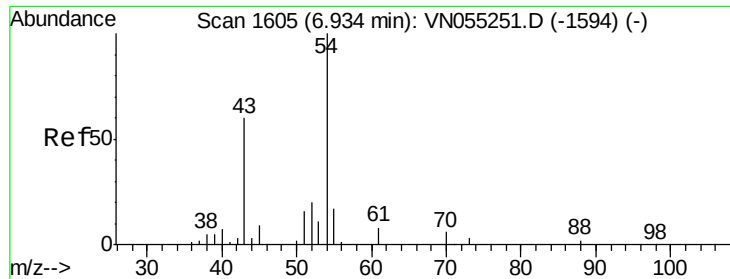
MMdadoda
4/26/2019 10:58:04 AM



#42
Vinyl Acetate
Concen: 97.616 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion	43	Resp	1142366
Ion Ratio	100	Lower	Upper
43	100		
86	7.0	5.7	8.5





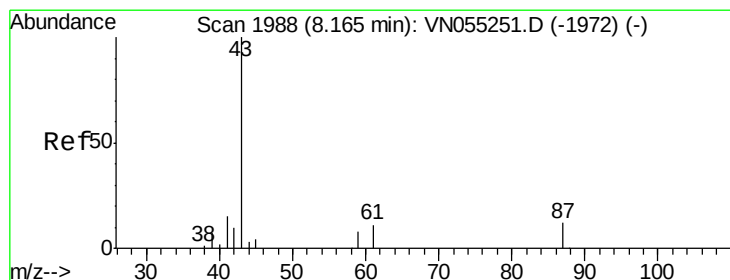
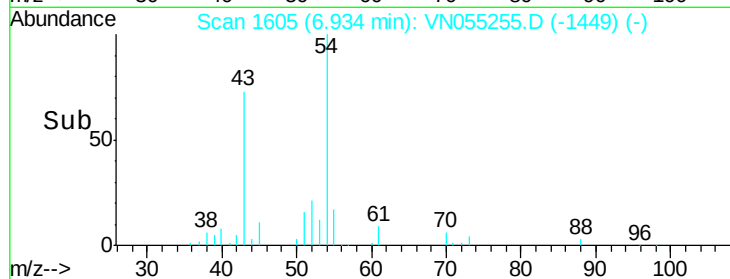
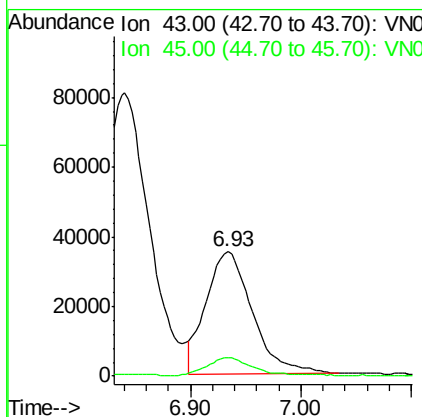
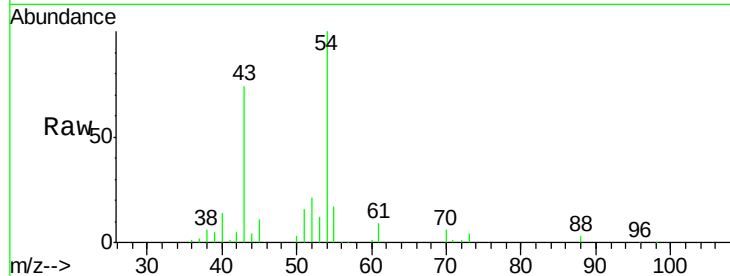
#43
Ethyl Acetate
Concen: 20.105 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

Tot Ion	43	45	Ratio	100	14.2	Resp	101825	Lower	9.6	Upper	14.4
Manual Integrations APPROVED											

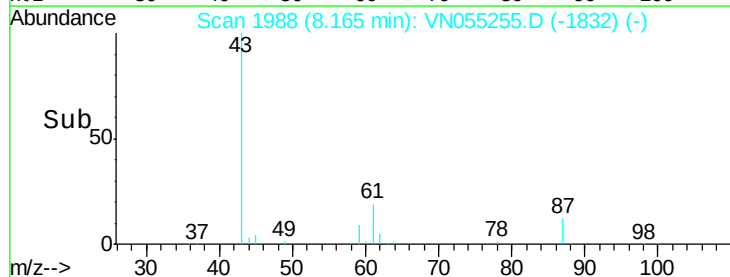
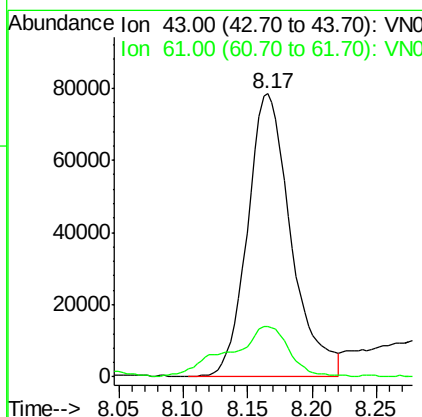
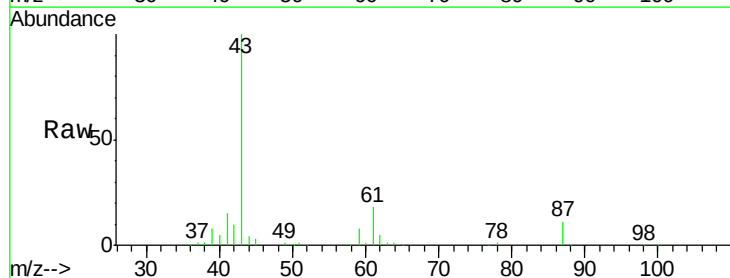
Manual Integrations
APPROVED

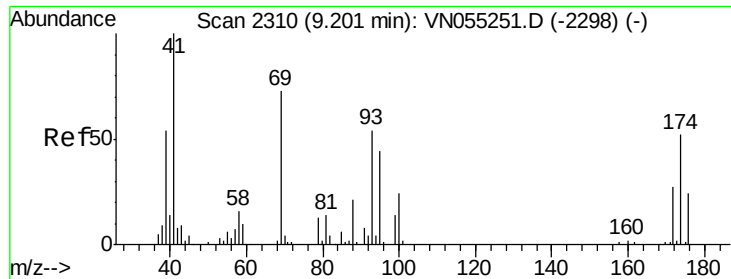
MMDadoda
4/26/2019 10:58:04 AM



#44
Isopropyl Acetate
Concen: 19.746 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion	43	61	Ratio	100	23.8	Resp	184022	Lower	12.6	Upper	18.8#
Manual Integrations APPROVED											





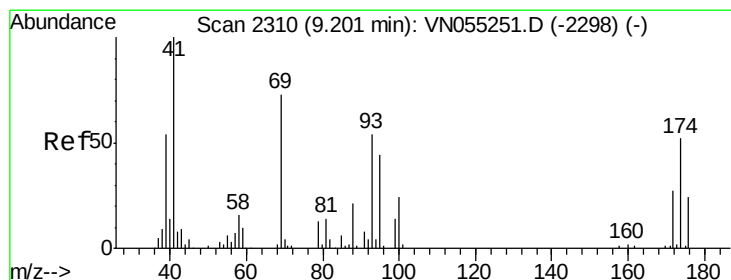
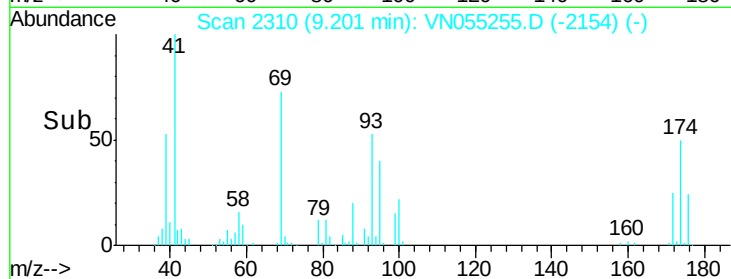
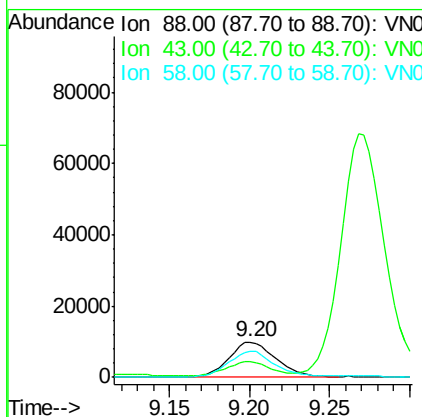
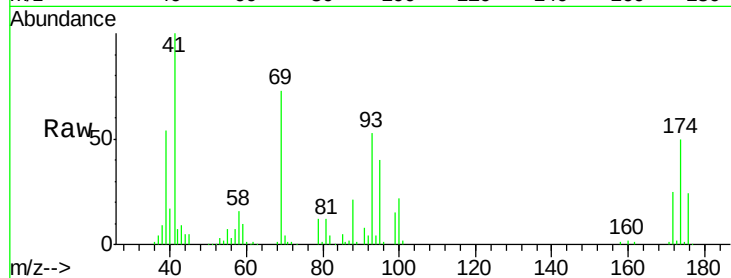
#45
1,4-Dioxane
Concen: 412.965 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

Tot Ion	88	Resp	19946
Ion	Ratio	Lower	Upper
88	100		
43	36.7	29.4	44.0
58	73.1	62.4	93.6

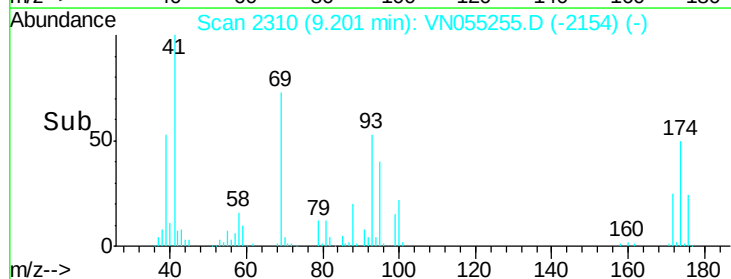
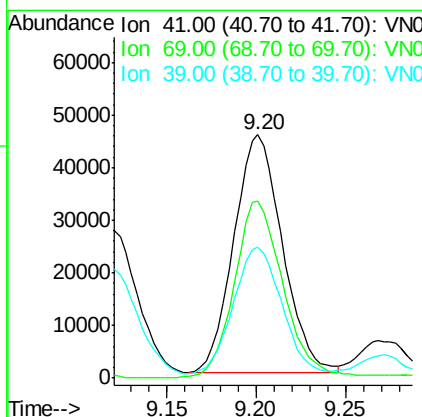
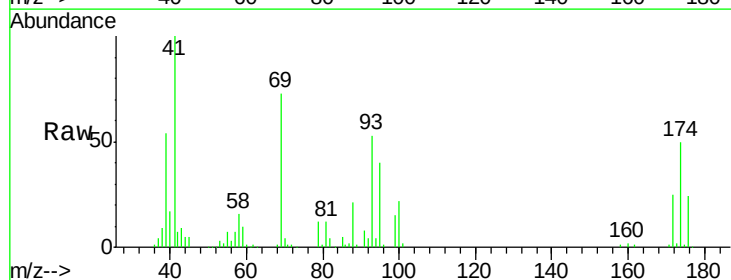
Manual Integrations
APPROVED

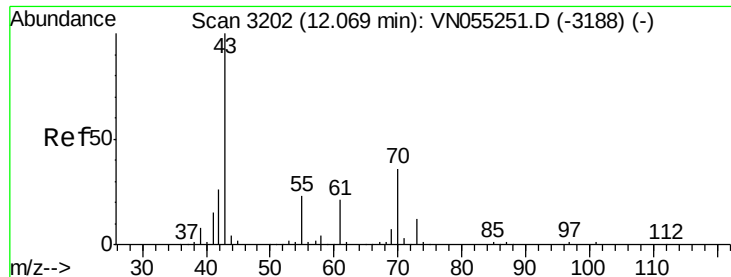
MMDadoda
4/26/2019 10:58:04 AM



#46
Methyl methacrylate
Concen: 19.658 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion	41	Resp	86261
Ion	Ratio	Lower	Upper
41	100		
69	73.9	36.4	109.3
39	53.0	26.9	80.7





#47

n-amvl Acetate

Concen: 18.187 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

Tot Ion: 43 Resp: 120579

Ion Ratio Lower Upper

43 100

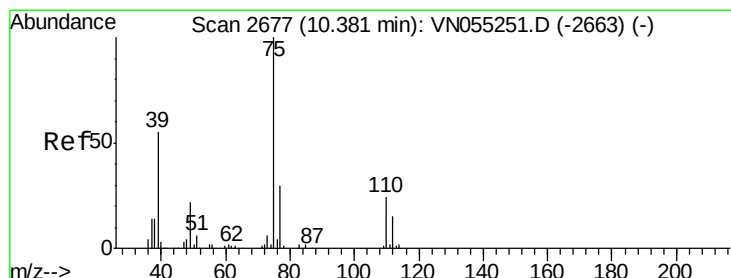
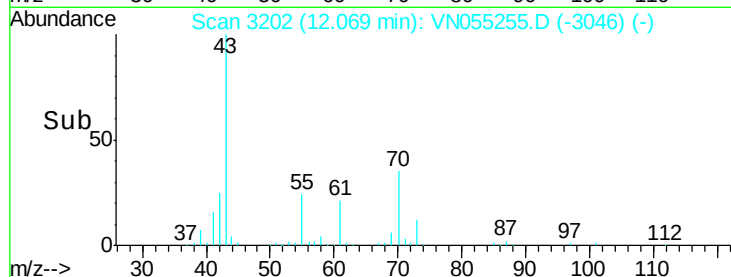
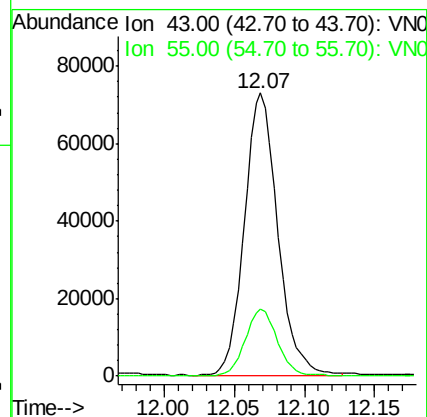
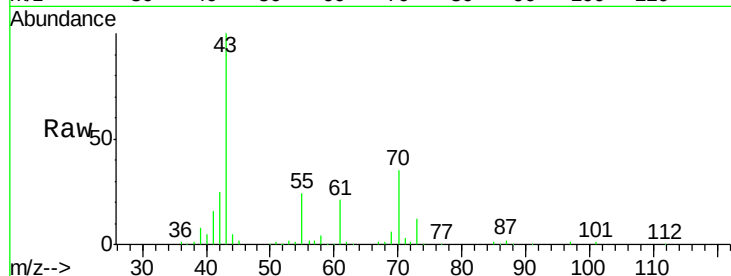
55 23.0 18.1 27.1

Manual Integrations

APPROVED

MMdadoda

4/26/2019 10:58:04 AM



#48

t-1,3-Dichloropropene

Concen: 18.893 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055255.D

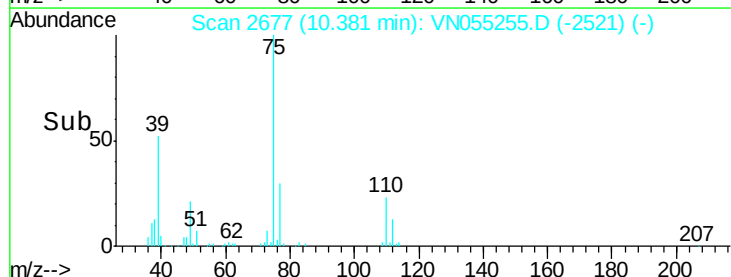
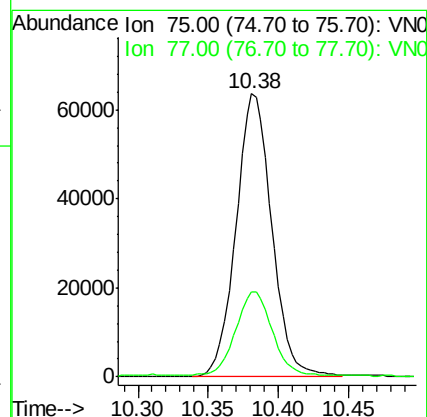
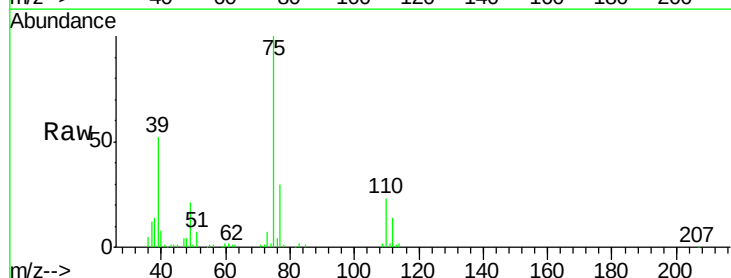
Acq: 25 Apr 2019 20:31

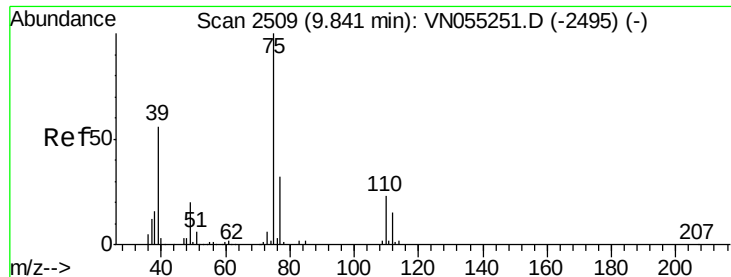
Tgt Ion: 75 Resp: 113210

Ion Ratio Lower Upper

75 100

77 29.5 23.9 35.9





#49

cis-1,3-Dichloropropene

Concen: 19.144 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

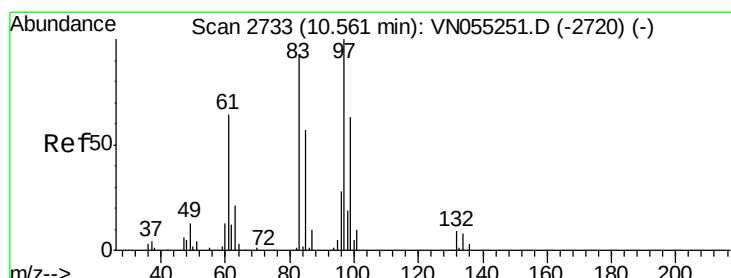
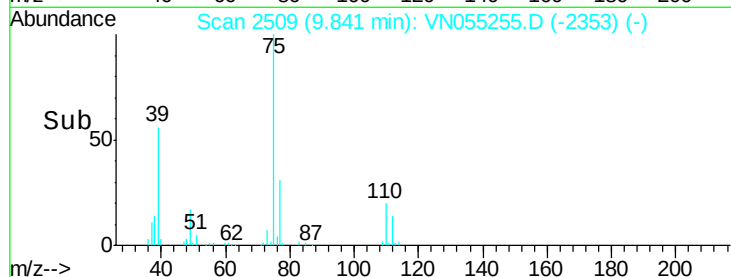
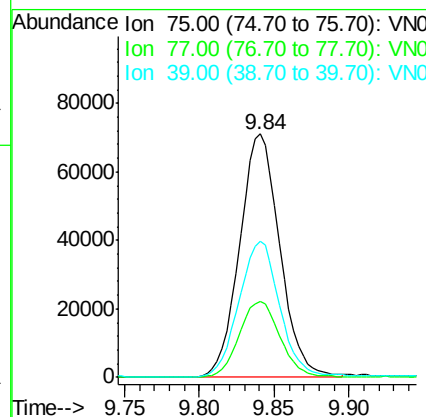
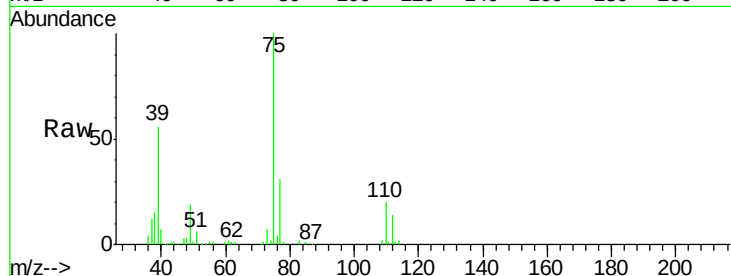
ClientSampleId :

ICVVN042619

Tot Ion:	75	Resp:	133084
Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.9	38.9
39	55.7	45.0	67.6

Manual Integrations
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4/26/2019 10:58:04 AM



#50

1,1,2-Trichloroethane

Concen: 19.970 ug/l

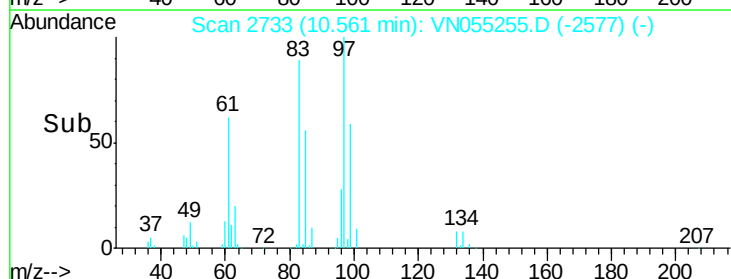
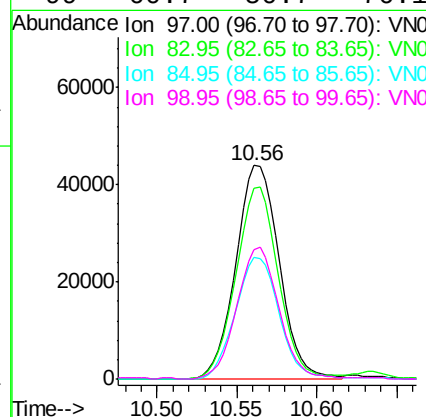
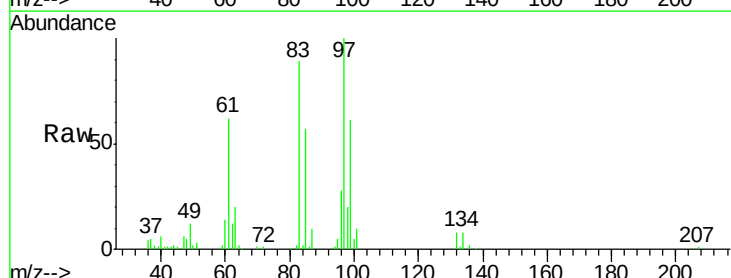
RT: 10.56 min Scan# 2733

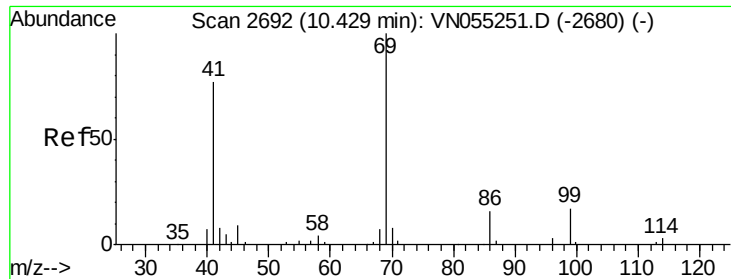
Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Tgt Ion:	97	Resp:	81511
Ion	Ratio	Lower	Upper
97	100		
83	88.7	74.6	111.8
85	56.7	45.4	68.2
99	60.7	50.7	76.1





#51

Ethyl methacrylate

Concen: 18.535 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

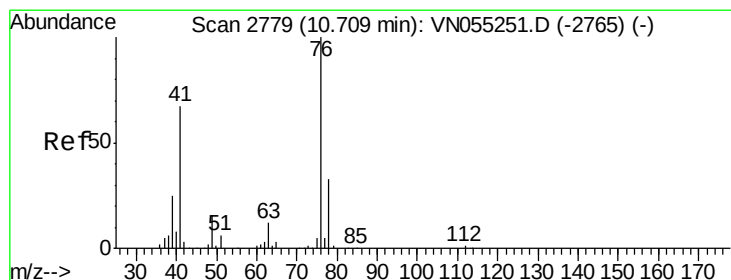
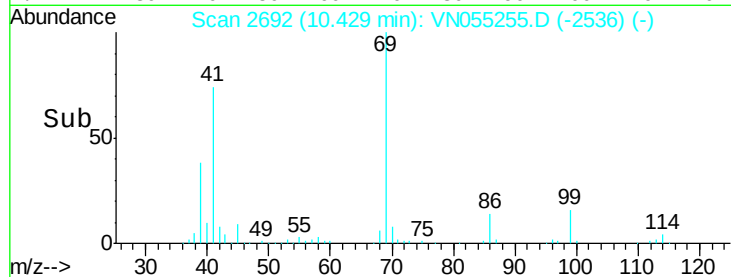
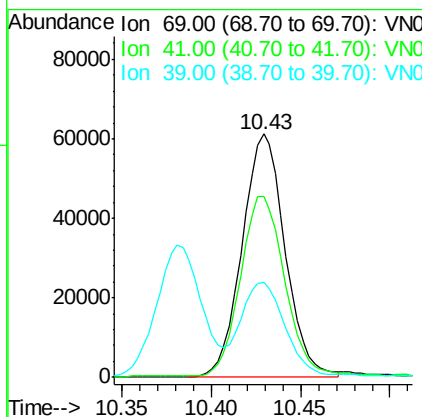
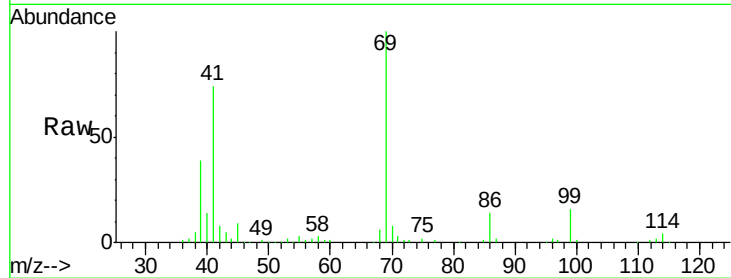
ClientSampleId :

ICVVN042619

Tot Ion:	69	Resp:	102849
Ion	Ratio	Lower	Upper
69	100		
41	73.8	38.7	116.1
39	37.7	19.9	59.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.373 ug/l

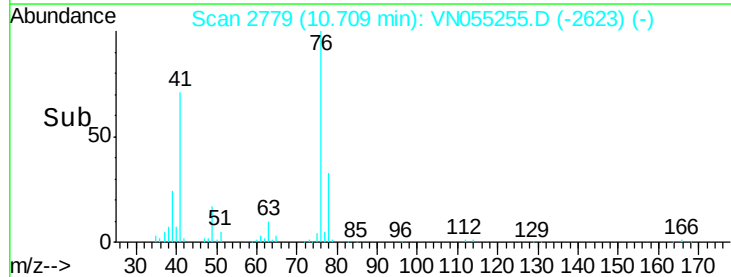
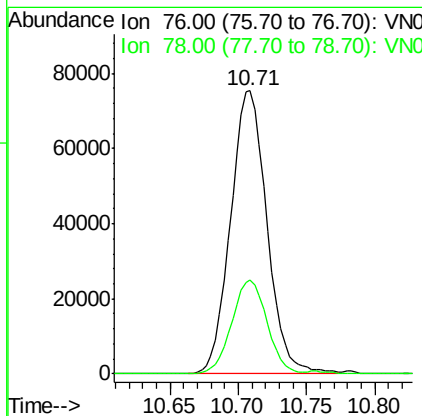
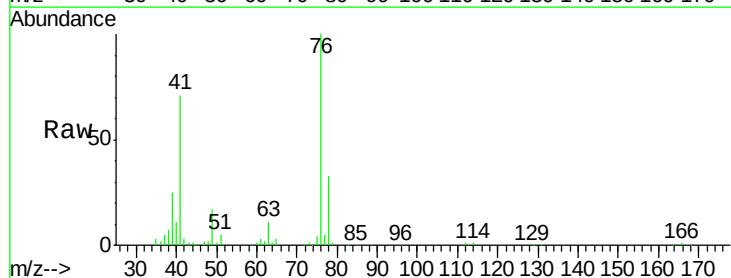
RT: 10.71 min Scan# 2779

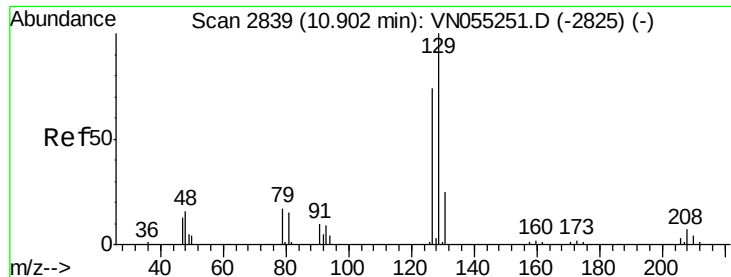
Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Tgt Ion:	76	Resp:	140010
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	63.0





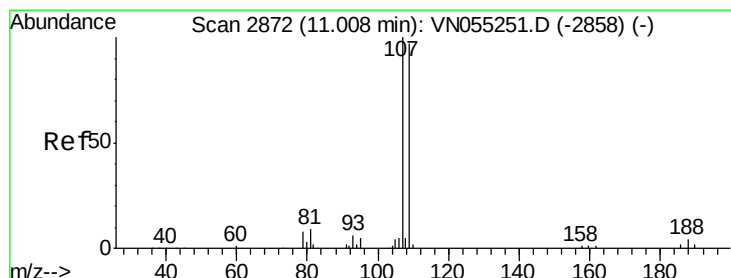
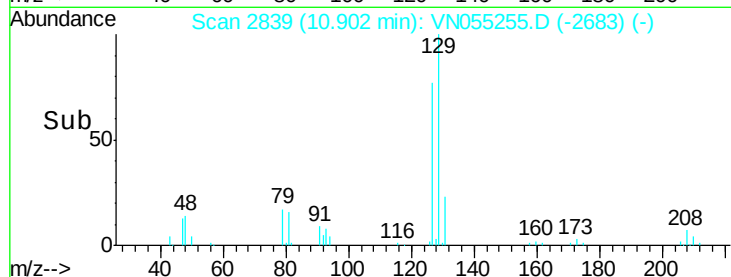
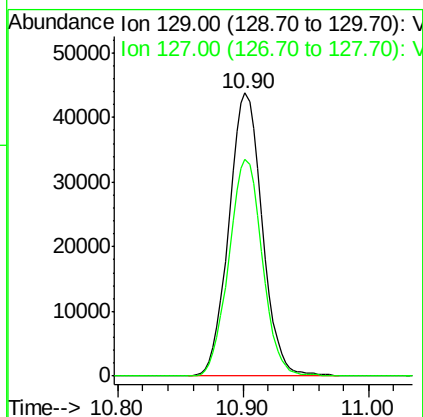
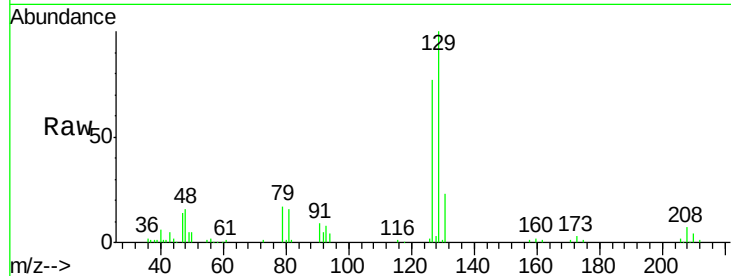
#53
Dibromochloromethane
Concen: 19.157 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		80864		
127	76.6	38.8	116.3		

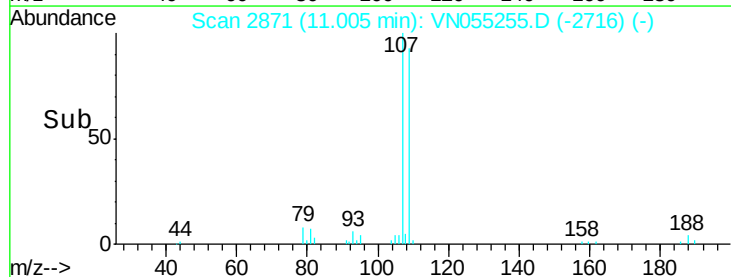
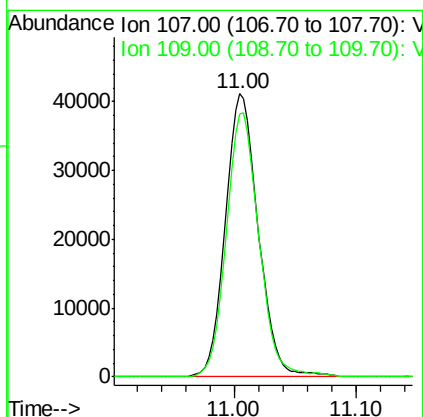
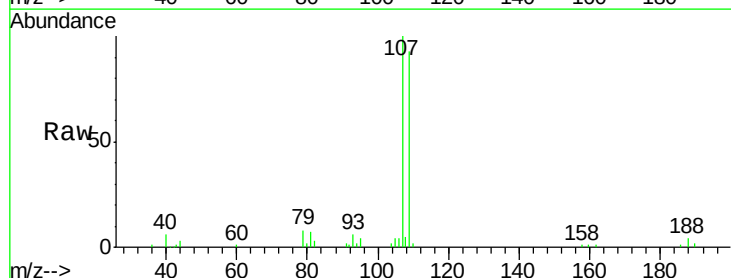
Manual Integrations
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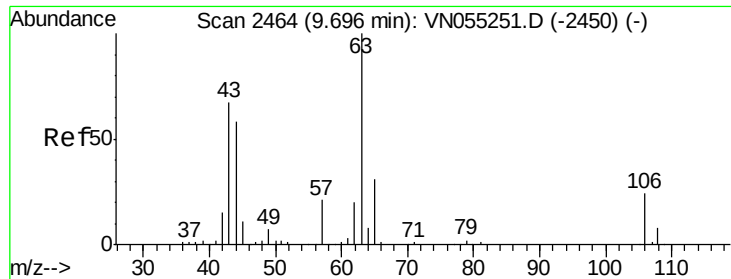
MMdadoda
4/26/2019 10:58:04 AM



#54
1,2-Dibromoethane
Concen: 19.535 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		77361		
109	92.2	75.2	112.8		





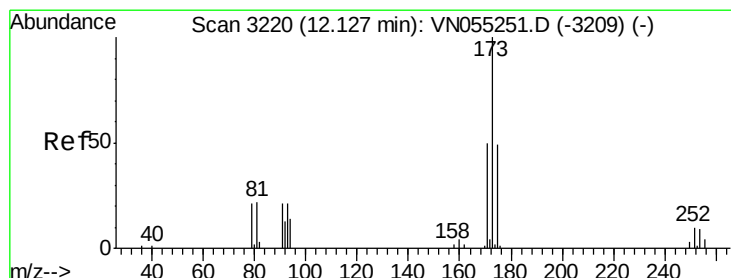
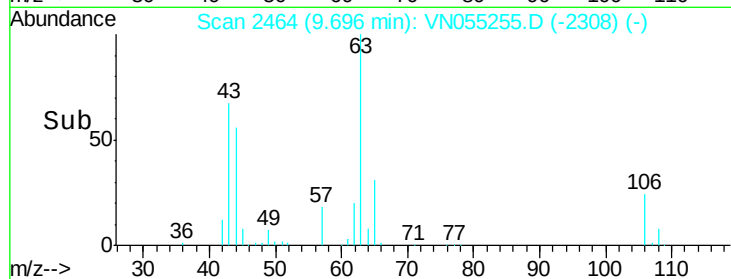
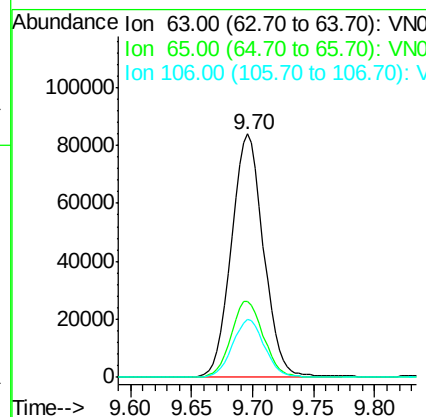
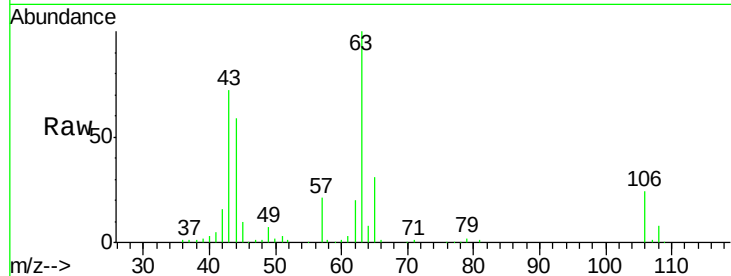
#55
2-Chloroethyl vinyl ether
Concen: 92.734 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.1	37.7
106	23.5	19.4	29.0

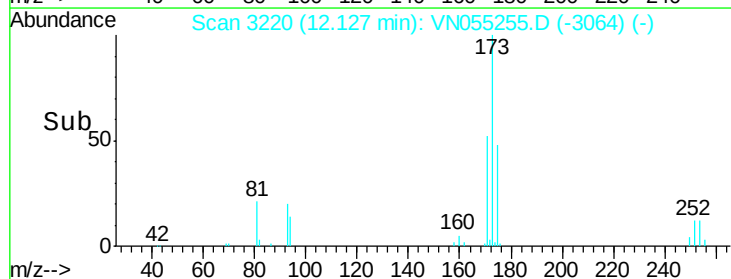
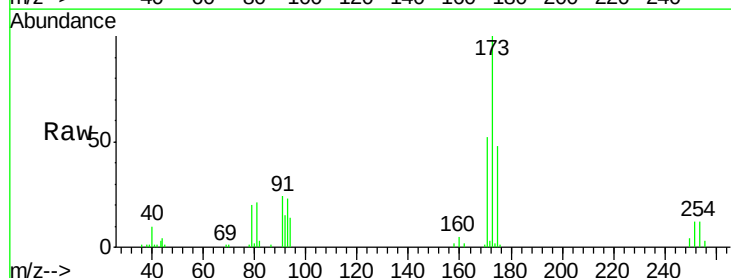
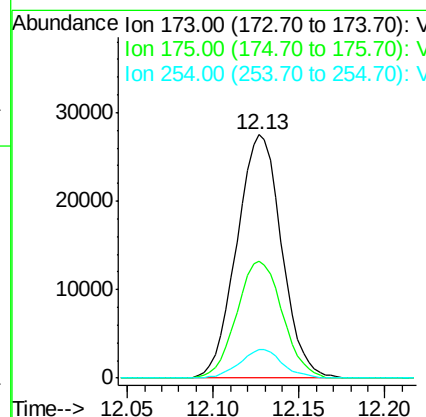
Manual Integrations
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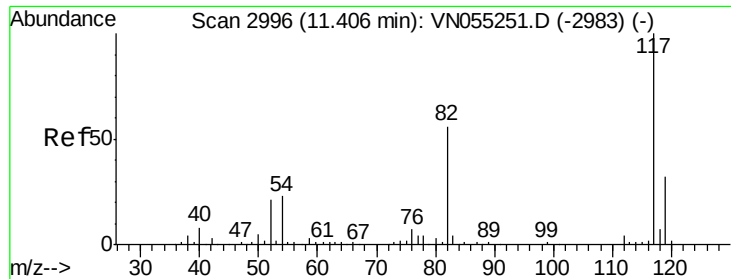
MMDadoda
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#56
Bromoform
Concen: 17.988 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	37.7	56.5
254	11.1	7.8	11.6





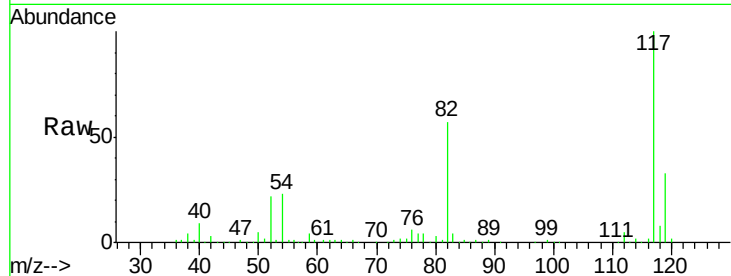
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

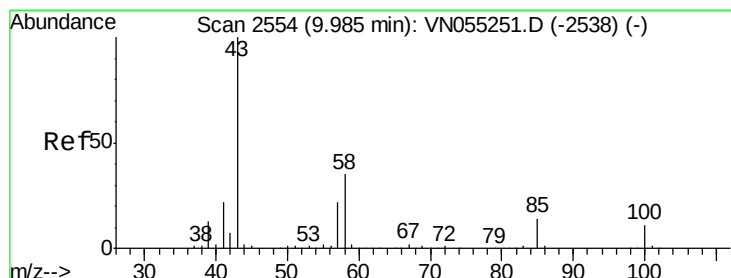
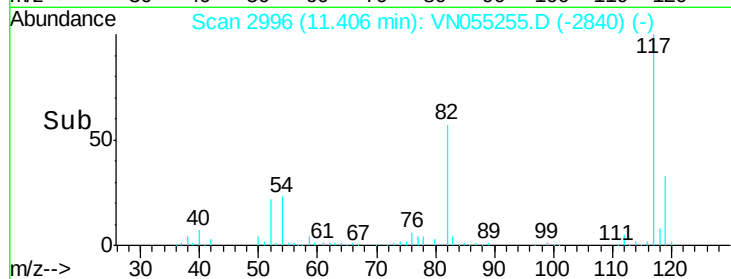
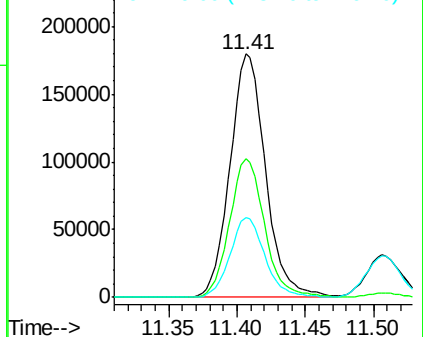
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.3	67.9
119	32.1	25.4	38.0

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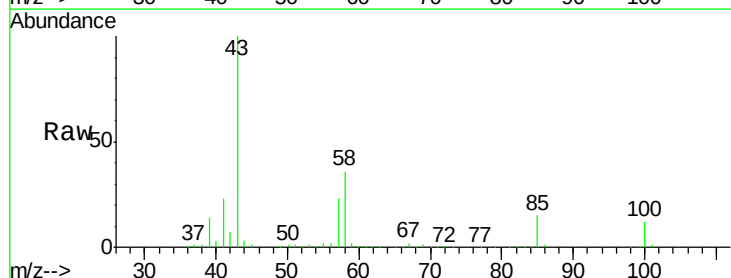


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

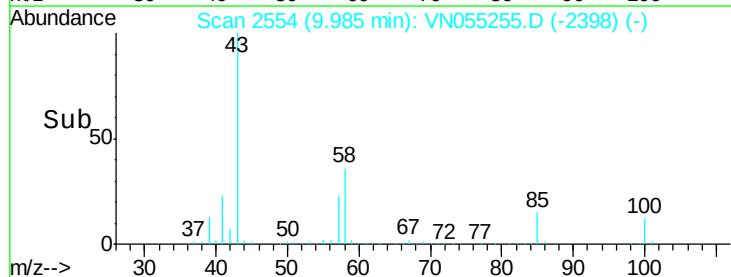
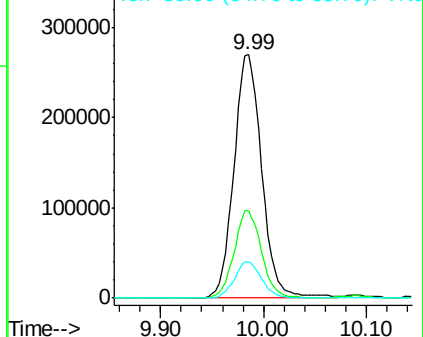


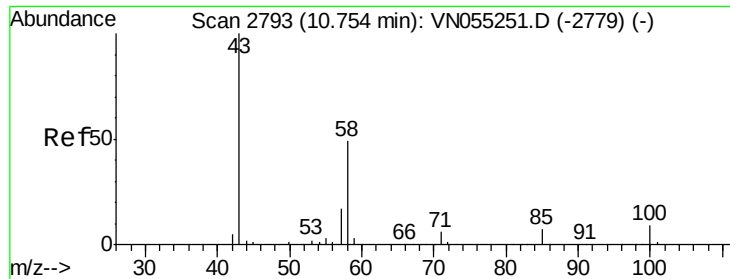
#58
4-Methyl-2-Pentanone
Concen: 99.308 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.6	43.0
85	14.7	11.4	17.2



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V





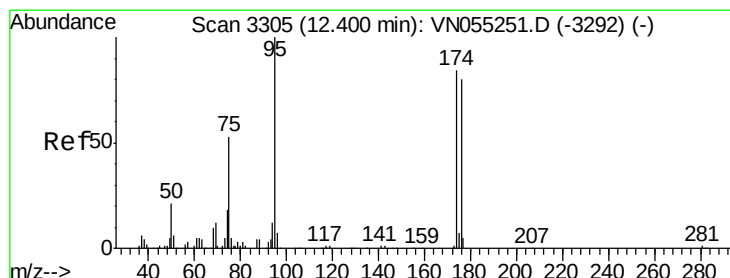
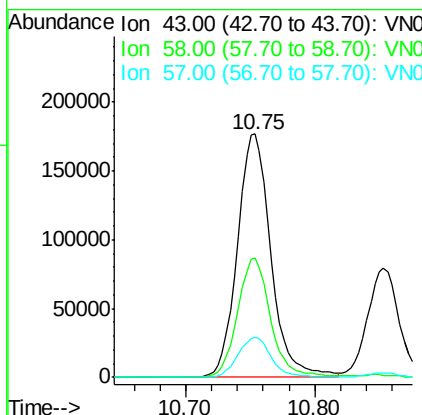
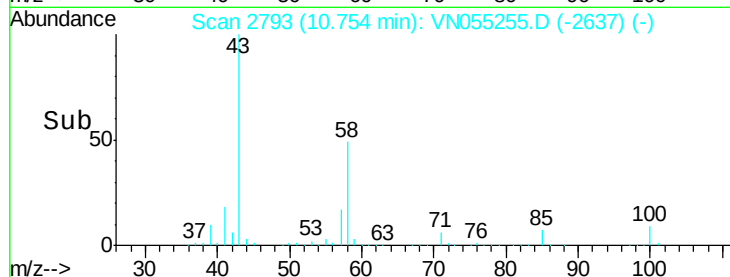
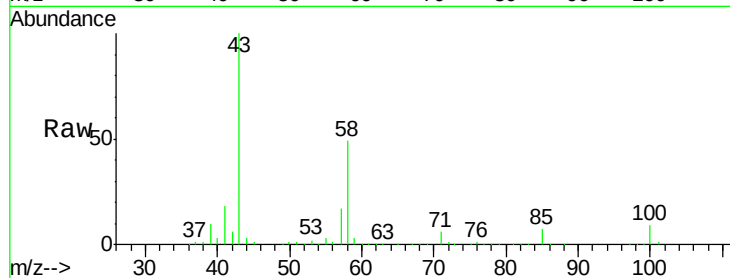
#59
2-Hexanone
Concen: 97.139 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.8	39.0	58.6
57	16.5	13.4	20.2

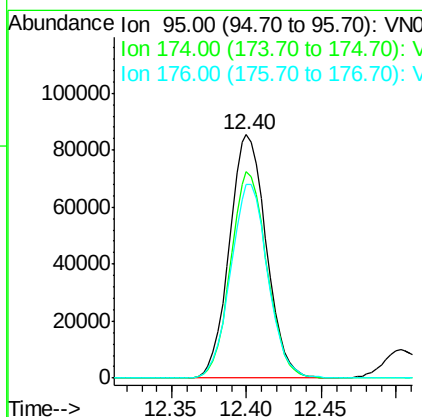
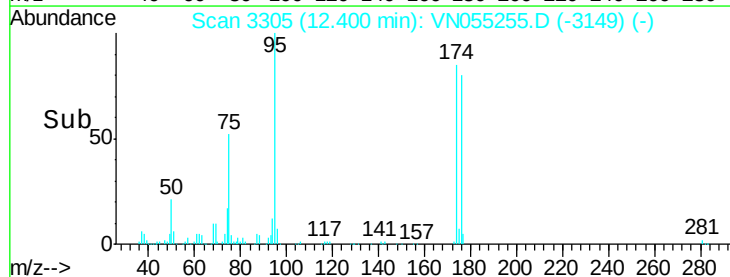
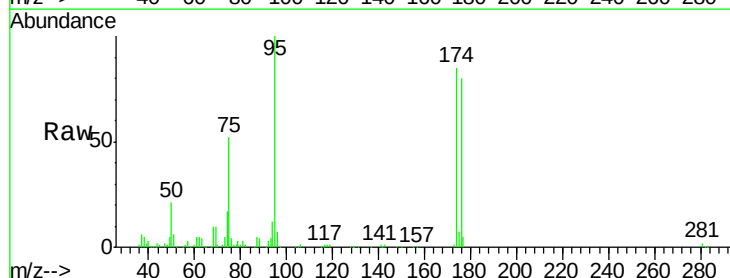
Manual Integrations
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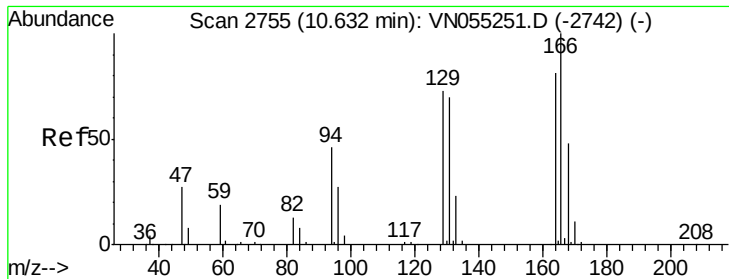
MMdadoda
4/26/2019 10:58:04 AM



#60
4-Bromofluorobenzene
Concen: 29.280 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.5	68.1	102.1
176	80.1	65.8	98.6





#61

Tetrachloroethene

Concen: 19.868 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

Tot Ion:164 Resp: 84031

Ion Ratio Lower Upper

164 100

166 125.4 98.6 147.8

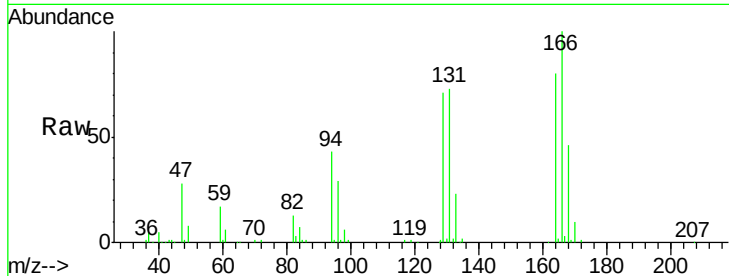
129 89.4 72.4 108.6

131 92.1 69.2 103.8

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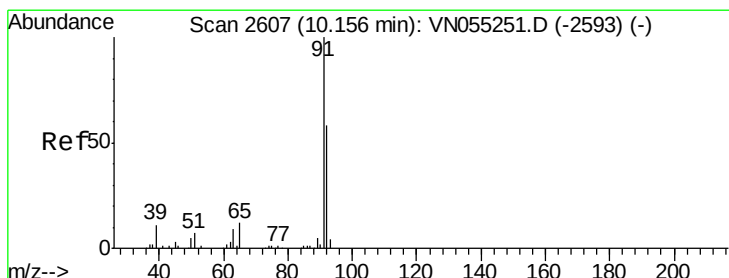
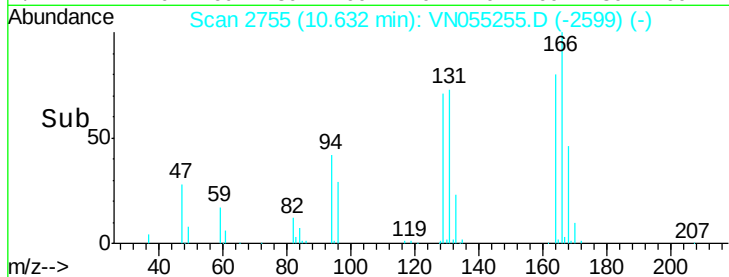
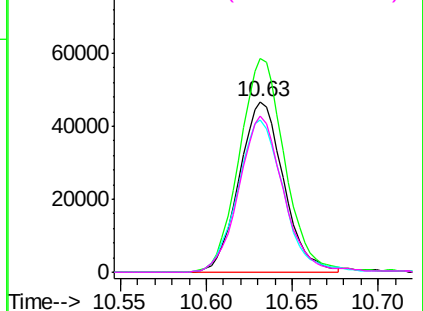


Abundance Ion 163.85 (163.55 to 164.55): V

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



#62

Toluene

Concen: 19.722 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055255.D

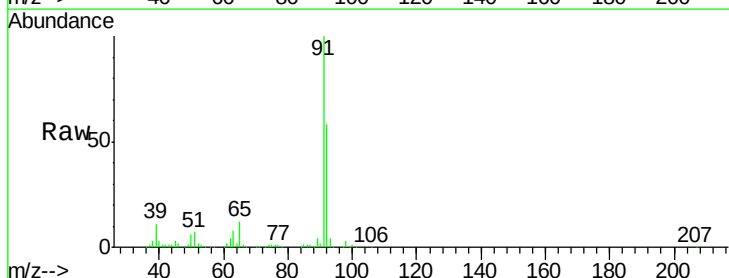
Acq: 25 Apr 2019 20:31

Tgt Ion: 91 Resp: 363705

Ion Ratio Lower Upper

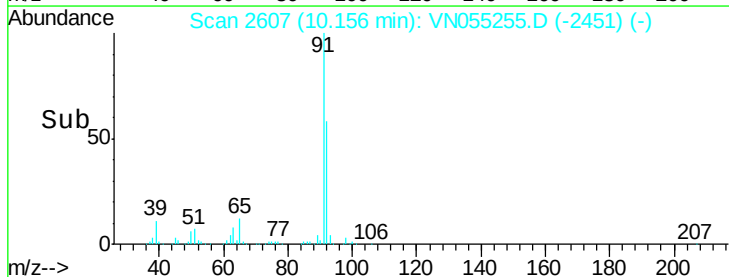
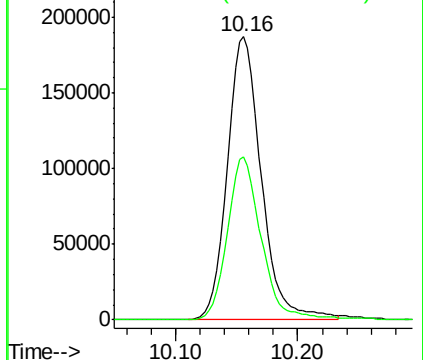
91 100

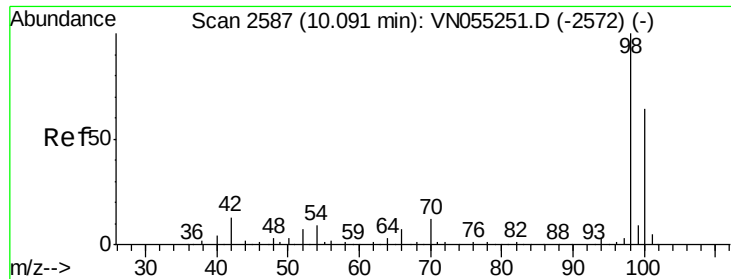
92 57.4 44.3 66.5



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 30.354 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

Tot Ion: 98 Resp: 470074

Ion Ratio Lower Upper

98 100

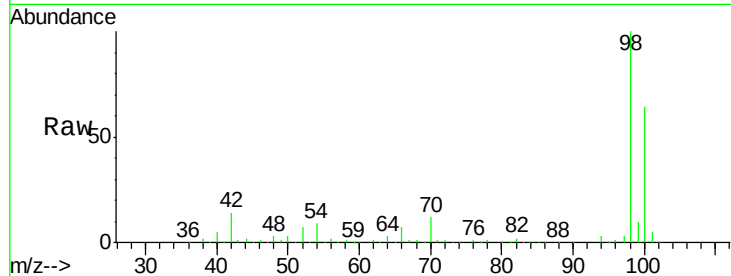
100 62.3 50.0 75.0

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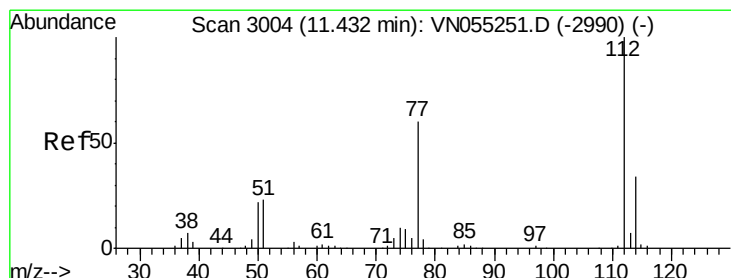
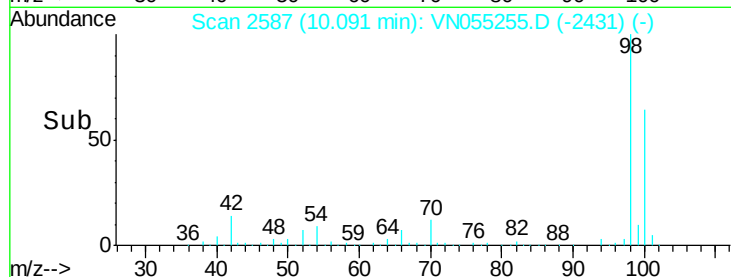
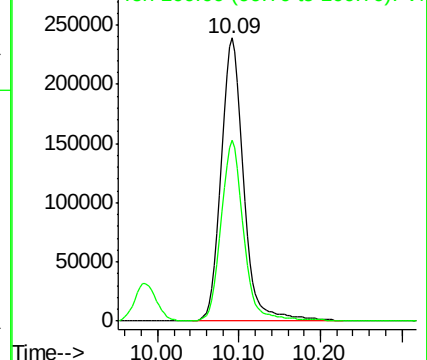
MMdadoda

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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 19.842 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055255.D

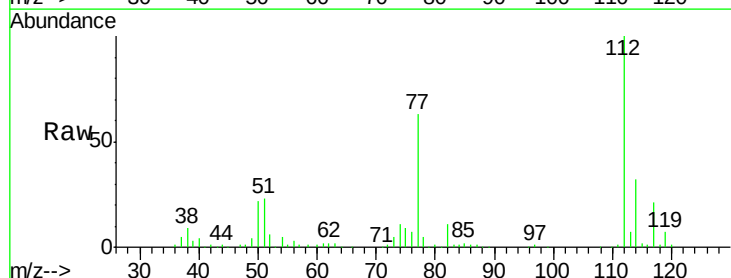
Acq: 25 Apr 2019 20:31

Tgt Ion: 112 Resp: 216774

Ion Ratio Lower Upper

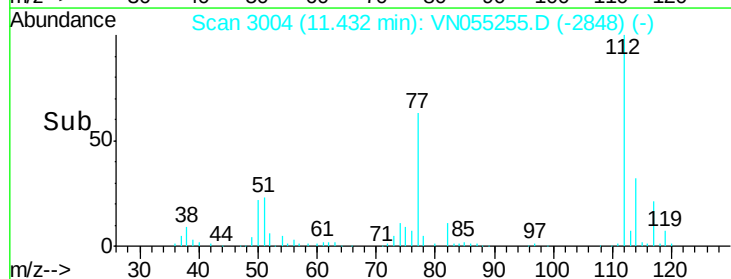
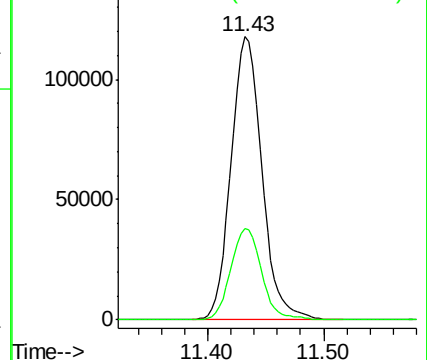
112 100

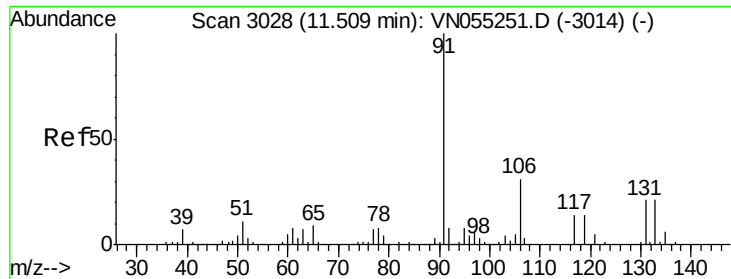
114 32.4 26.9 40.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 20.281 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

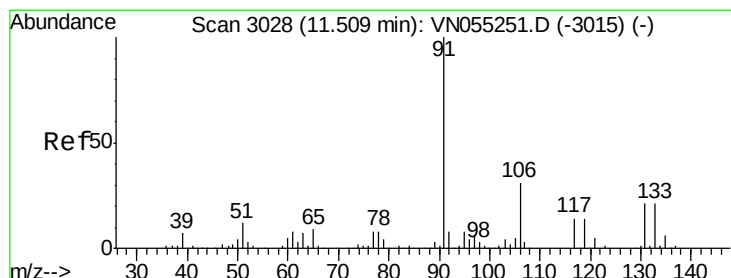
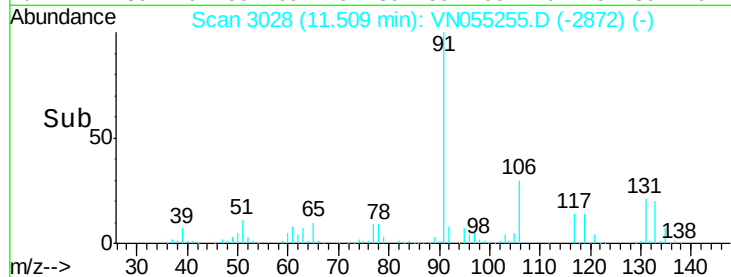
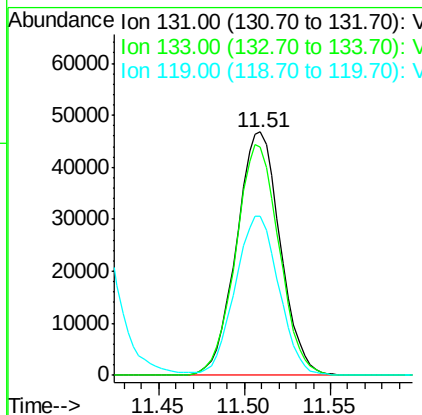
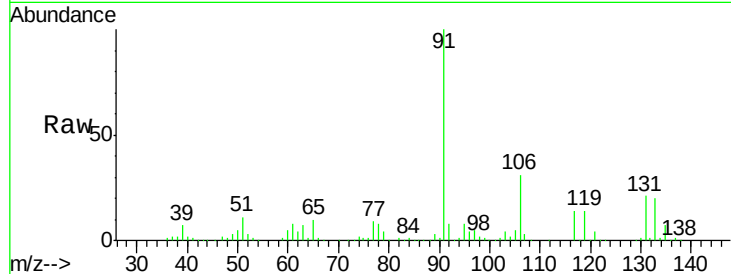
ClientSampled :

ICVVN042619

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.9	0.0	195.6
119	65.6	0.0	135.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.038 ug/l

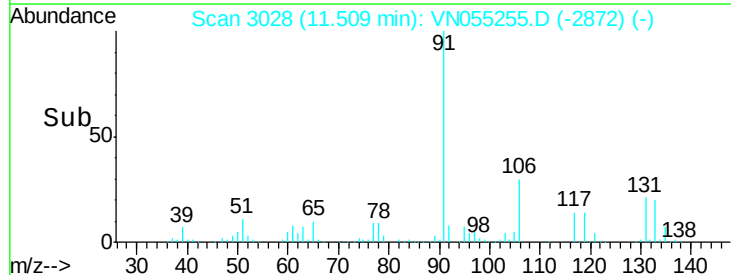
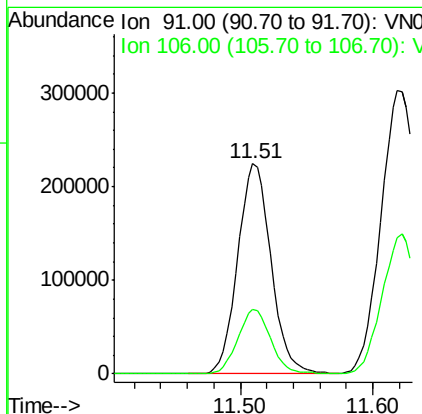
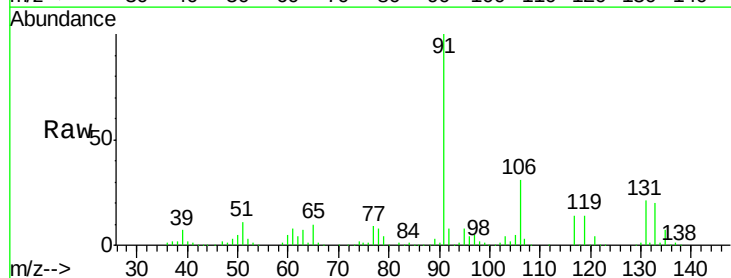
RT: 11.51 min Scan# 3028

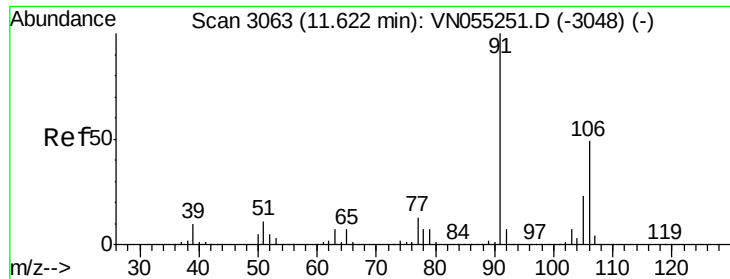
Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.5	36.7





#67

m/p-Xylenes

Concen: 39.956 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

Tot Ion:106 Resp: 286793

Ion Ratio Lower Upper

106 100

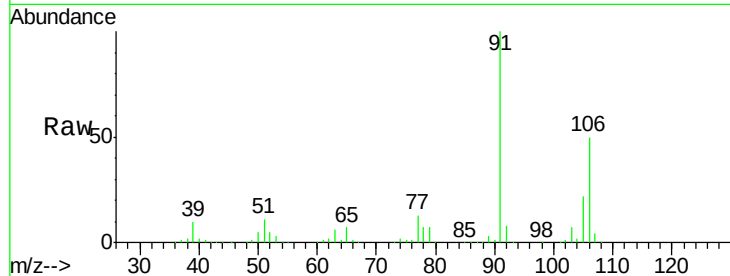
91 209.0 165.4 248.2

Manual Integrations

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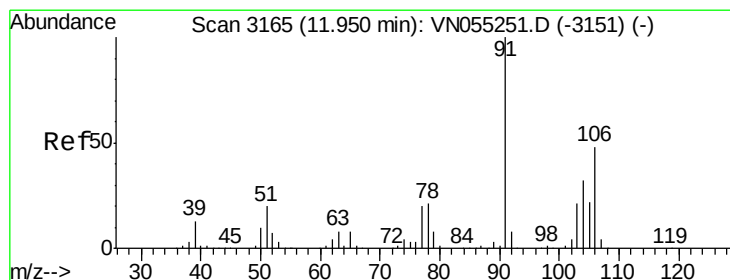
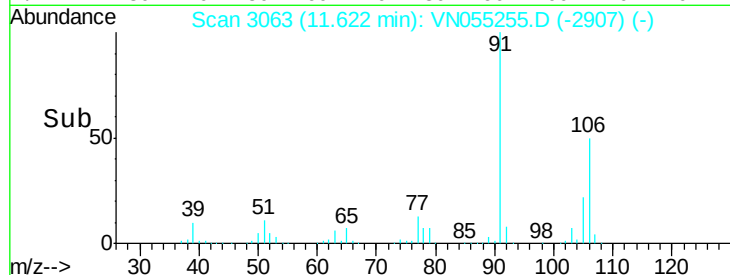
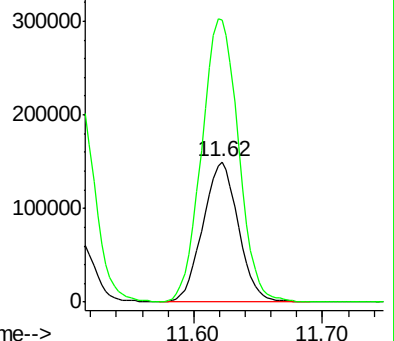
MMdadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 20.240 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN055255.D

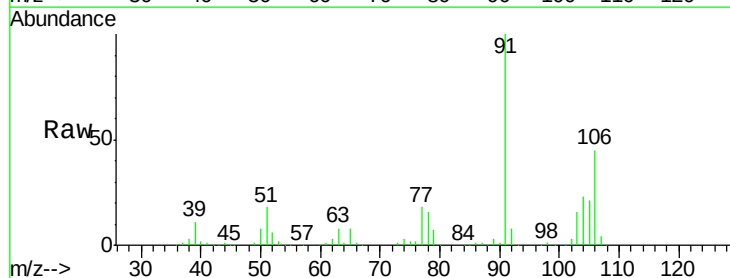
Acq: 25 Apr 2019 20:31

Tgt Ion:106 Resp: 144989

Ion Ratio Lower Upper

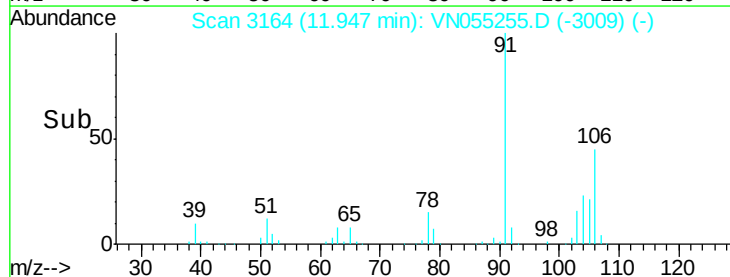
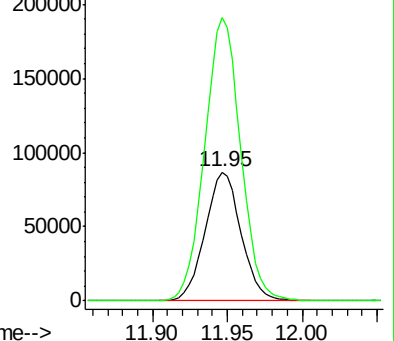
106 100

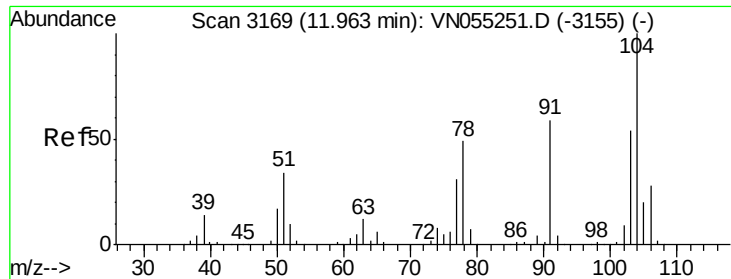
91 220.4 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





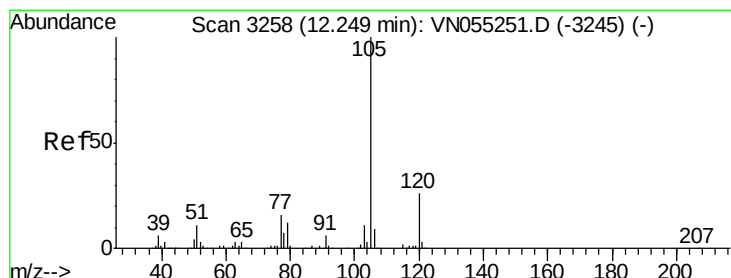
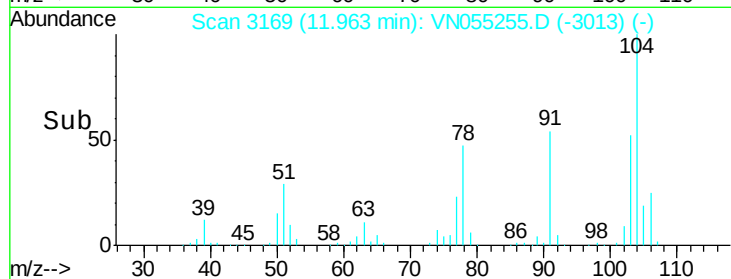
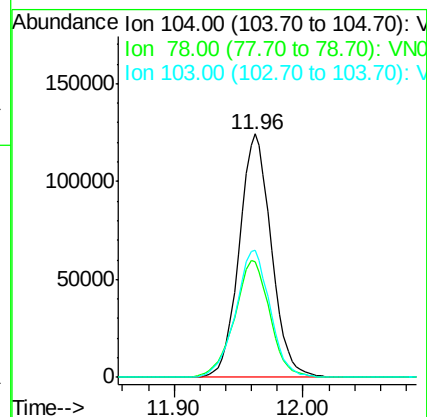
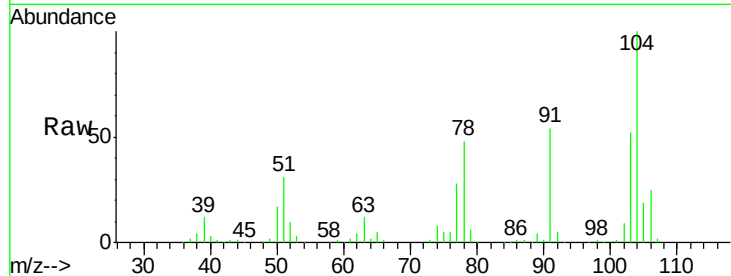
#69
Stvrene
Concen: 19.374 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.4	63.6
103	56.2	45.3	67.9

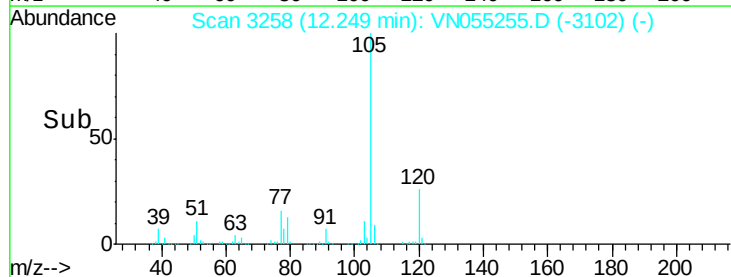
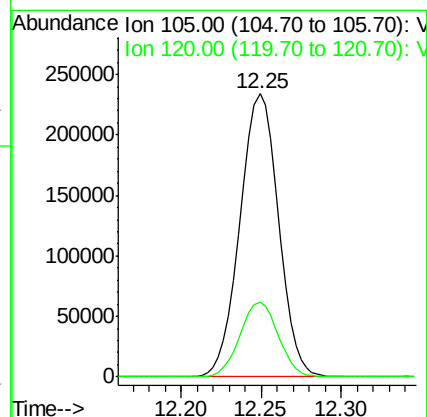
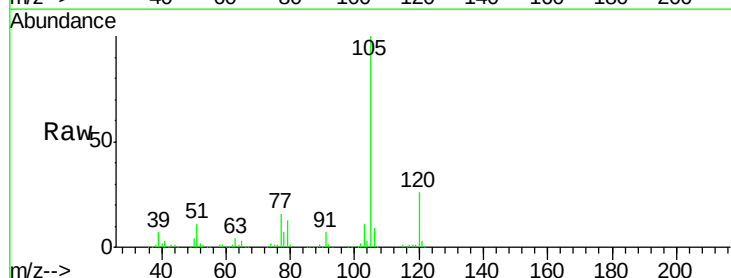
Manual Integrations
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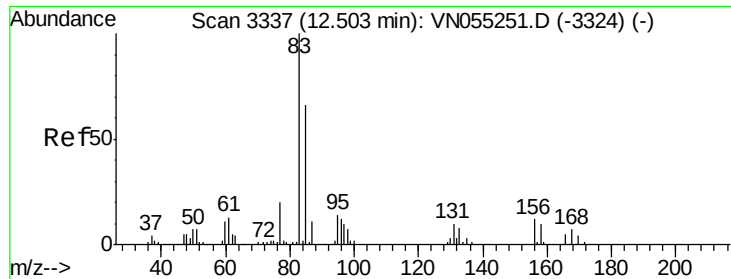
MMdadoda
4/26/2019 10:58:04 AM



#70
Isopropylbenzene
Concen: 20.361 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.1	33.7





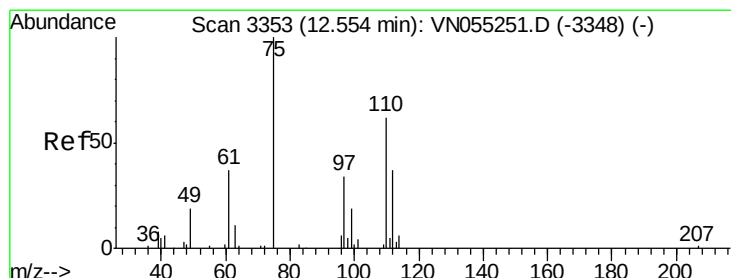
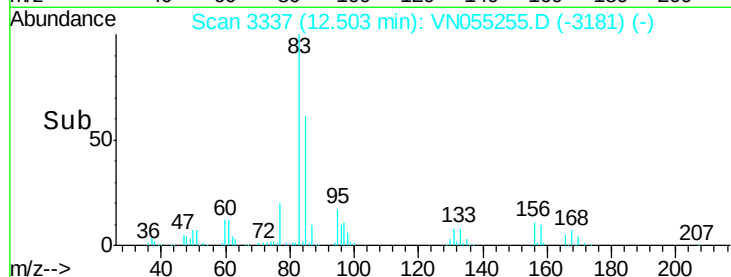
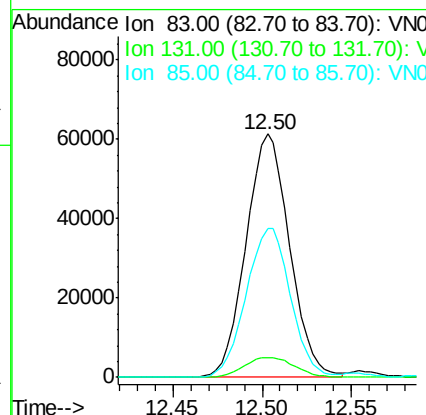
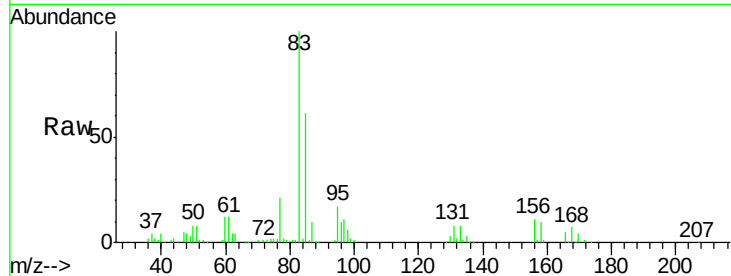
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.175 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

Tot Ion	83	Resp	104854
Ion Ratio	100	Lower	Upper
83	100		
131	9.4	5.0	14.9
85	62.3	32.3	96.8

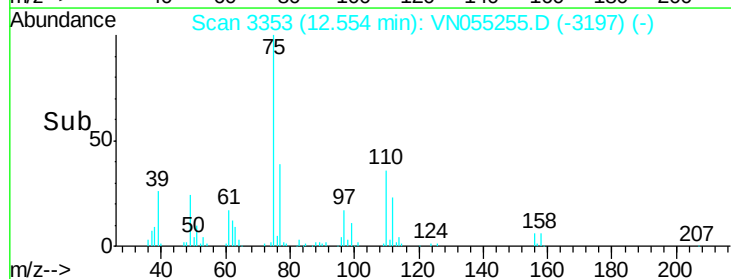
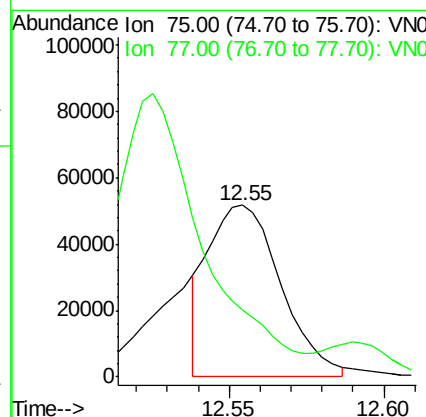
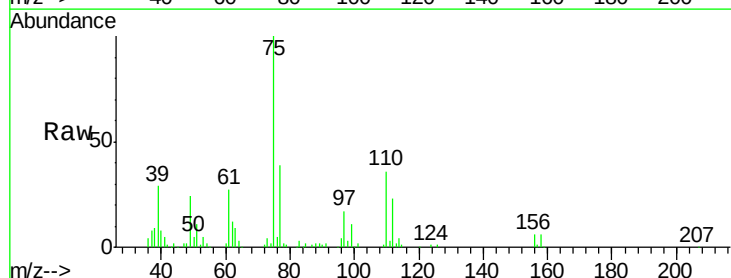
Manual Integrations
 APPROVED

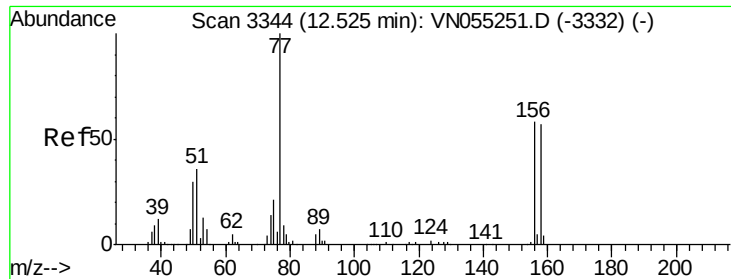
MMDadoda
 4/26/2019 10:58:04 AM



#72
 1,2,3-Trichloropropane
 Concen: 18.692 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion	75	Resp	84216
Ion Ratio	100	Lower	Upper
75	100		
77	205.2	0.0	410.2





#73

Bromobenzene

Concen: 19.507 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

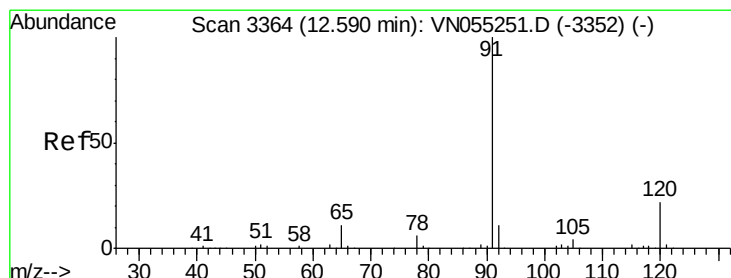
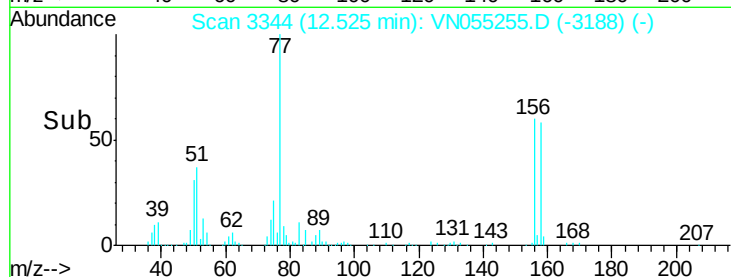
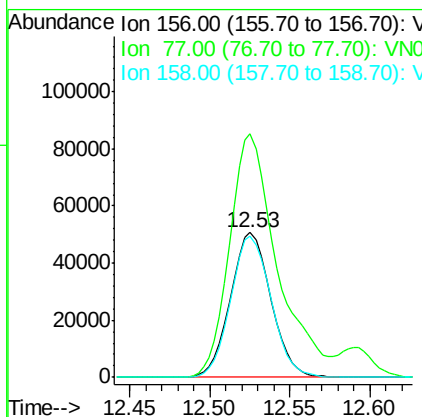
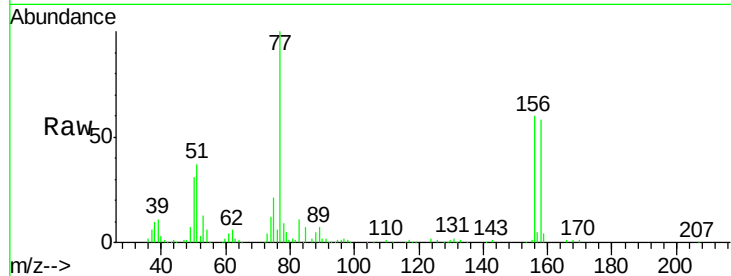
ClientSampled :

ICVVN042619

Tot Ion	Ratio	Lower	Upper
156	100		
77	197.6	0.0	403.2
158	97.1	0.0	195.8

Manual Integrations
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#74

n-propylbenzene

Concen: 19.598 ug/l

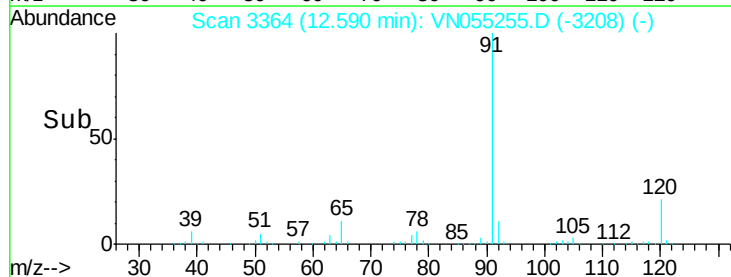
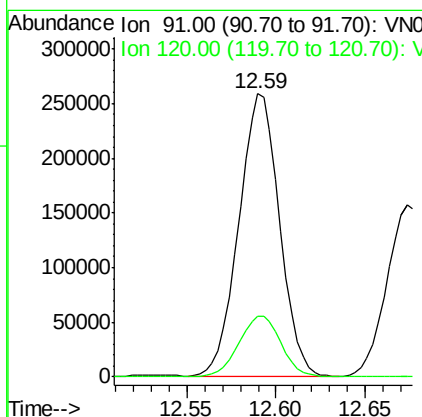
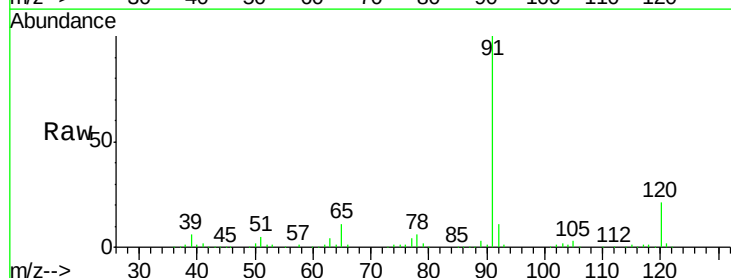
RT: 12.59 min Scan# 3364

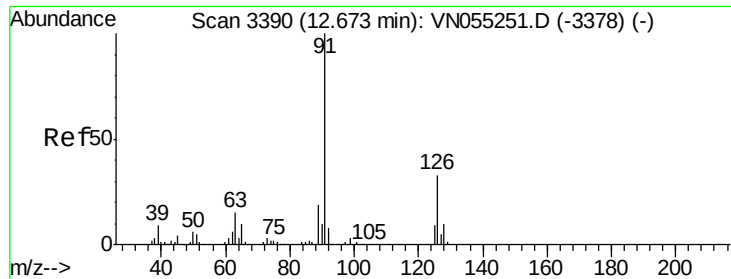
Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	0.0	43.6





#75

2-Chlorotoluene

Concen: 20.151 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

Tot Ion: 91 Resp: 260117

Ion Ratio Lower Upper

91 100

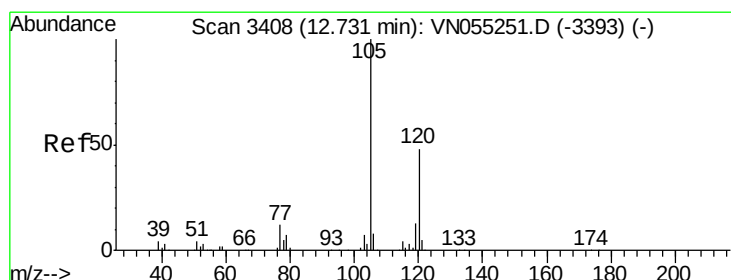
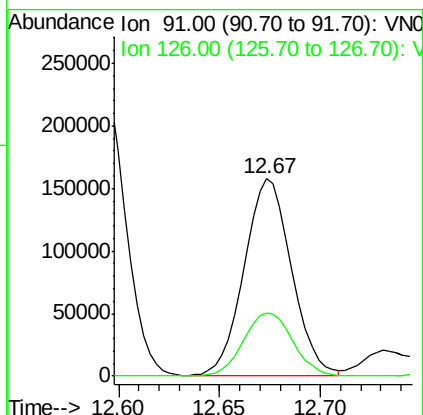
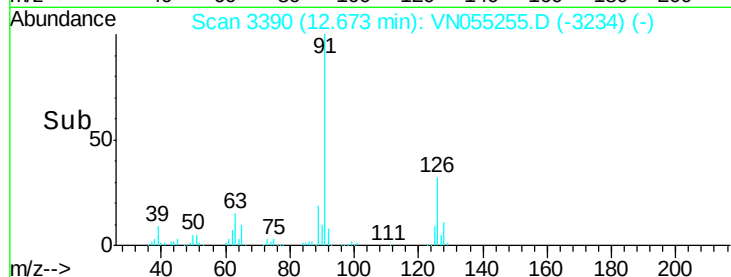
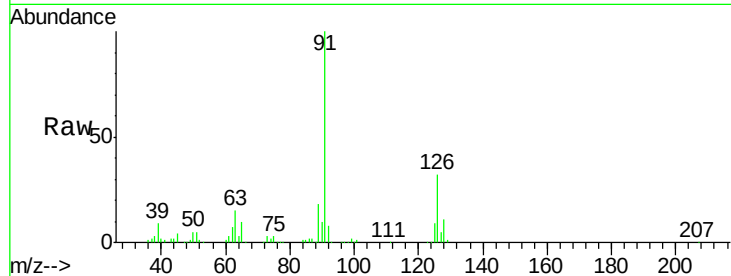
126 33.4 0.0 65.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.557 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055255.D

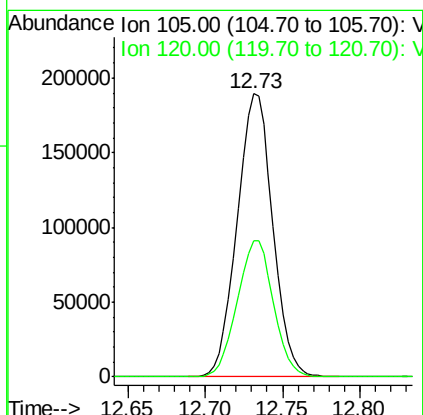
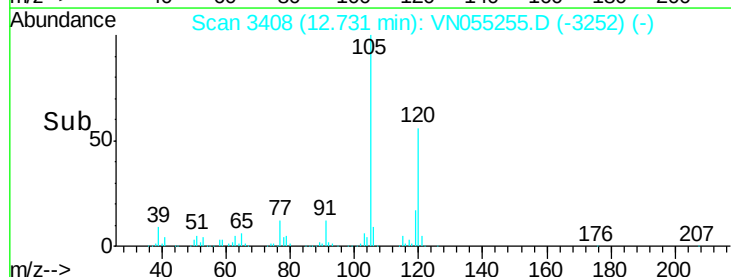
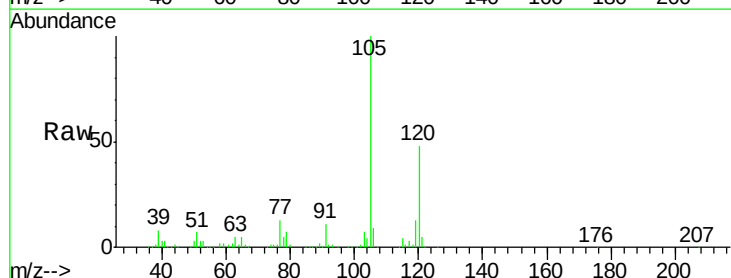
Acq: 25 Apr 2019 20:31

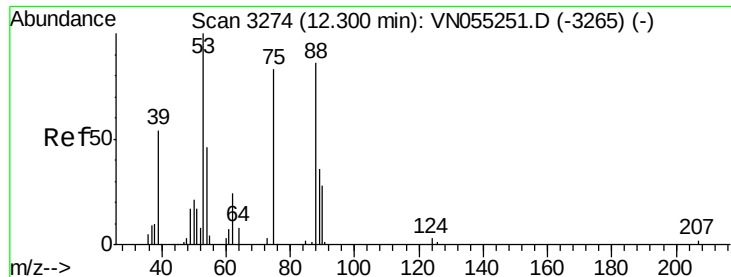
Tgt Ion: 105 Resp: 302648

Ion Ratio Lower Upper

105 100

120 48.9 0.0 94.8





#77

t-1,4-Dichloro-2-butene

Concen: 17.983 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

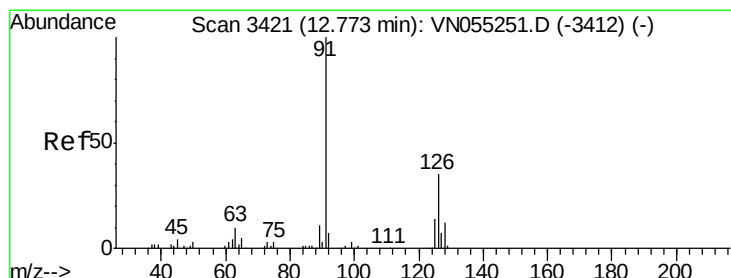
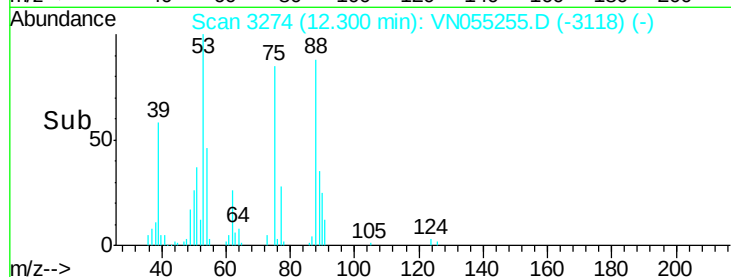
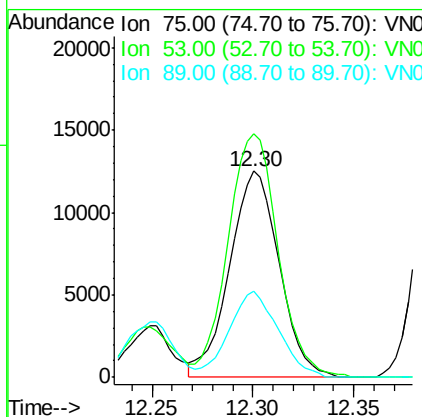
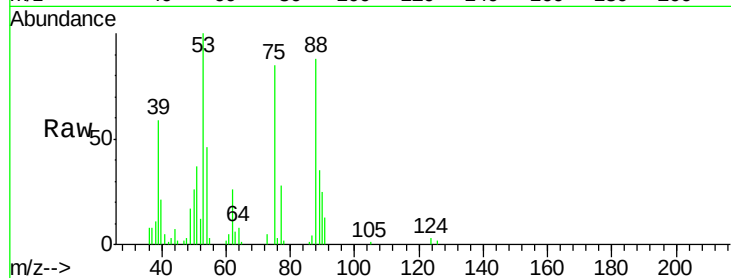
ClientSampleId :

ICVVN042619

Tot Ion:	75	Resp:	21564
Ion	Ratio	Lower	Upper
75	100		
53	116.3	59.5	178.5
89	41.5	23.1	69.2

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#78

4-Chlorotoluene

Concen: 19.217 ug/l

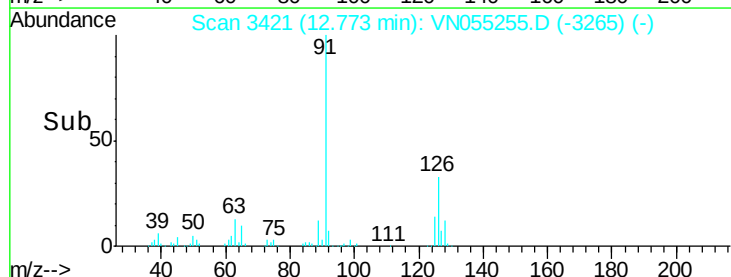
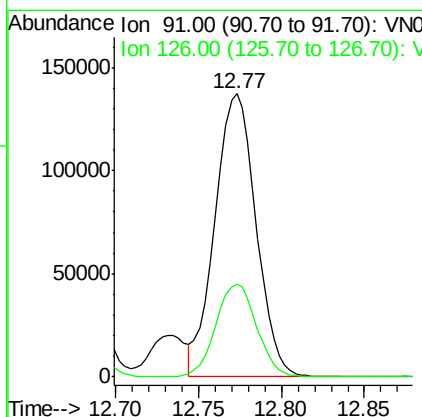
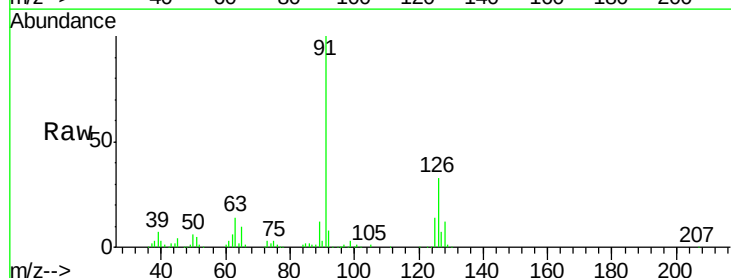
RT: 12.77 min Scan# 3421

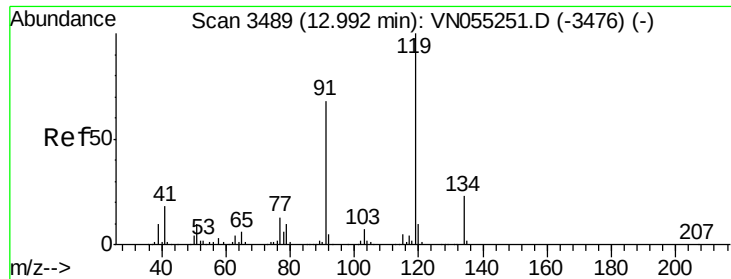
Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Tgt Ion:	91	Resp:	235820
Ion	Ratio	Lower	Upper
91	100		
126	32.7	0.0	66.8





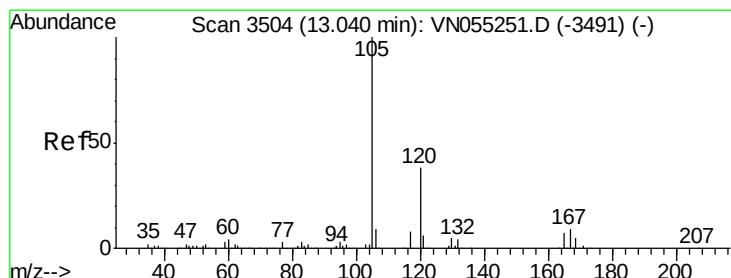
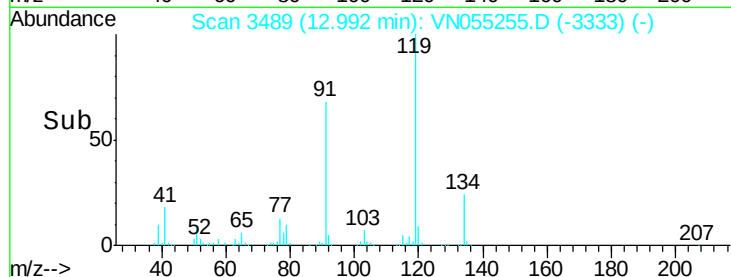
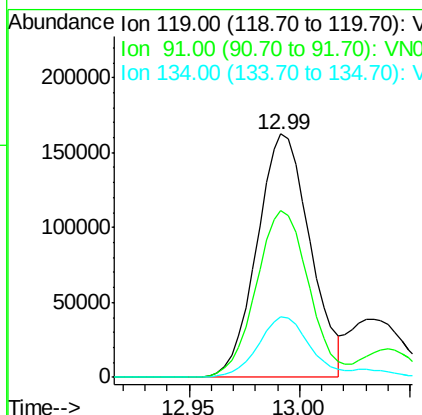
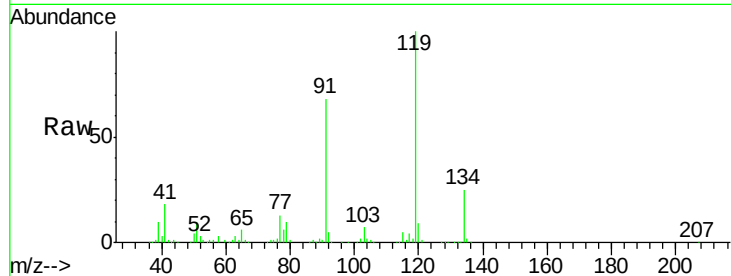
#79
tert-butylbenzene
Concen: 20.268 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

Tot Ion	Ratio	Resp	Lower	Upper
119	100	270165		
91	67.9		0.0	135.6
134	24.1		0.0	47.8

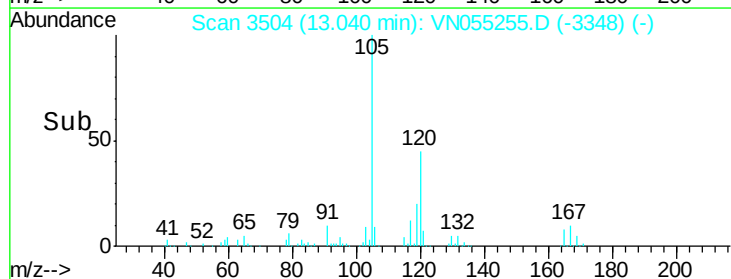
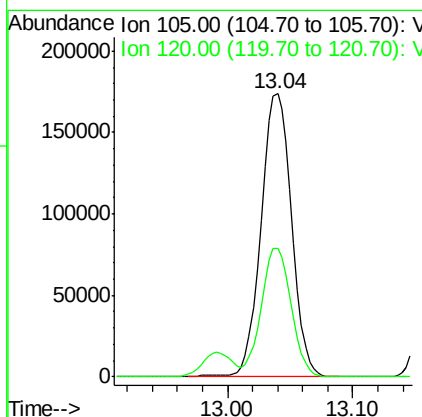
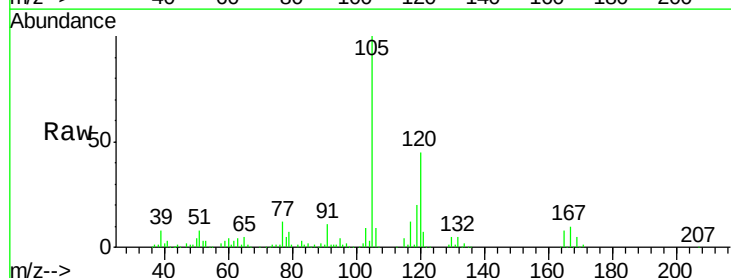
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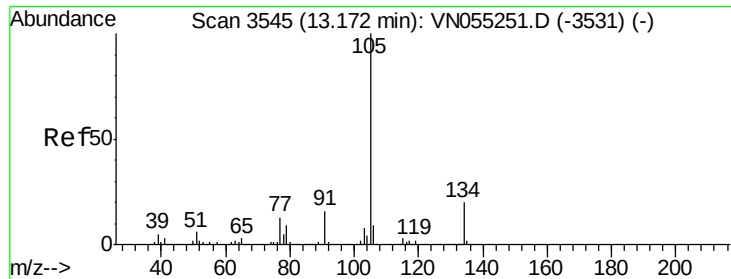
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#80
1,2,4-Trimethylbenzene
Concen: 19.713 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	294126		
120	44.3		0.0	88.6





#81

sec-Butylbenzene

Concen: 20.100 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042619

Tot Ion:105 Resp: 354174

Ion Ratio Lower Upper

105 100

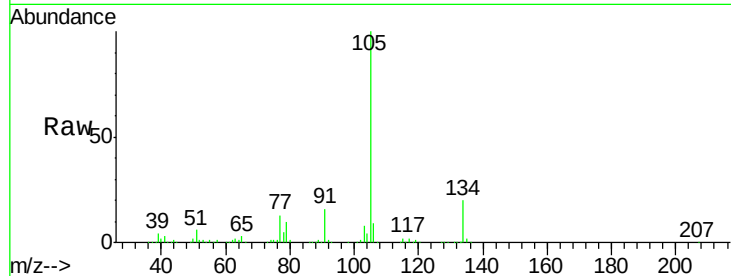
134 19.4 0.0 39.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

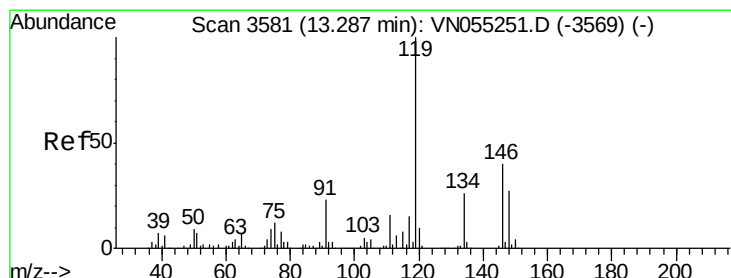
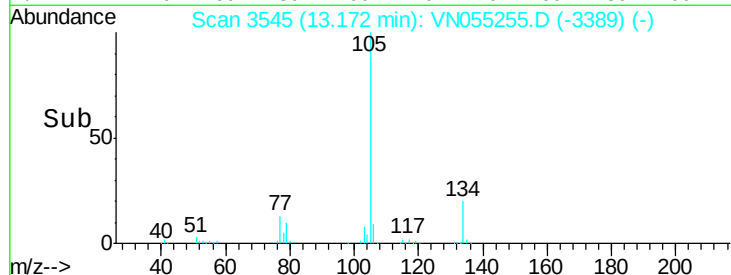
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#82

p-Isopropyltoluene

Concen: 19.706 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

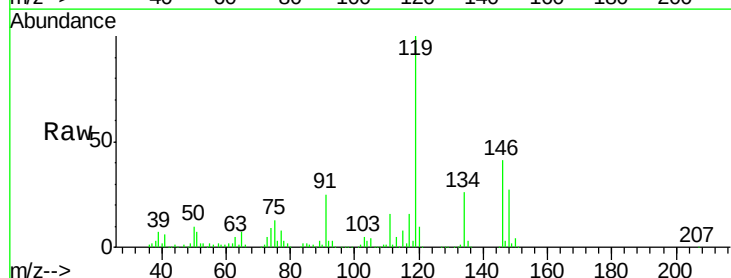
Tgt Ion:119 Resp: 288032

Ion Ratio Lower Upper

119 100

134 25.7 0.0 53.2

91 24.3 0.0 47.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

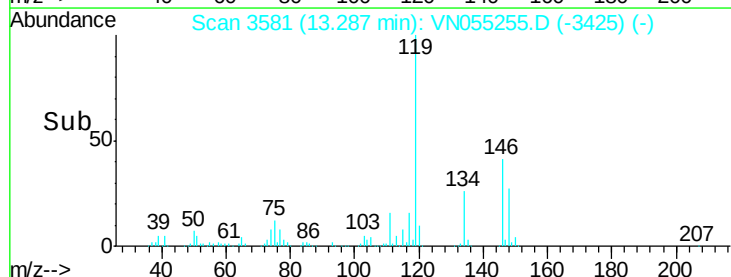
100000

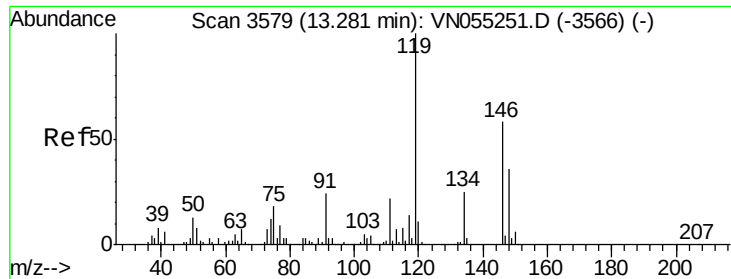
50000

0

13.25 13.30 13.35

Time-->





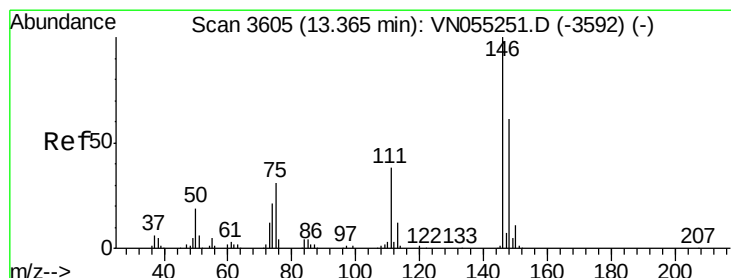
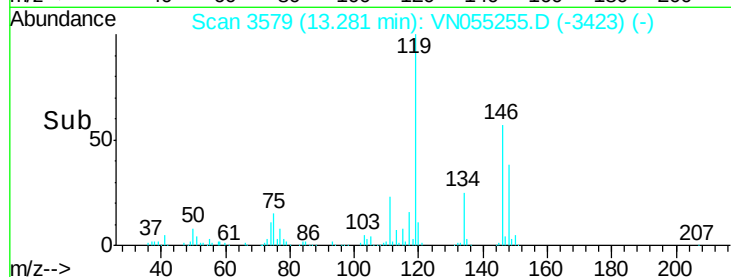
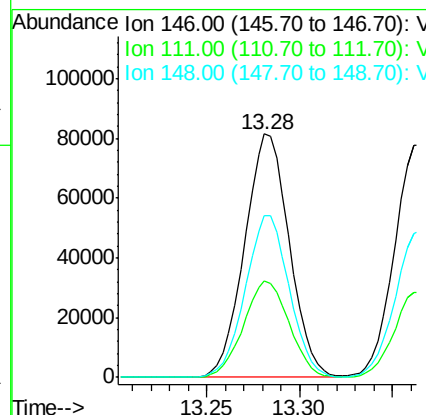
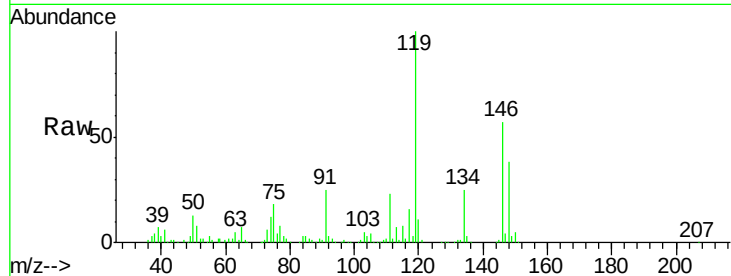
#83
 1,3-Dichlorobenzene
 Concen: 18.838 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.9	59.7
148	65.2	32.8	98.3

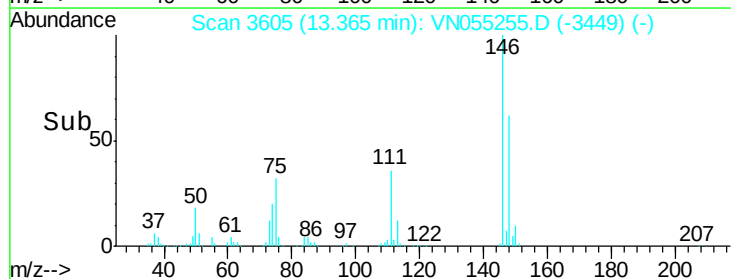
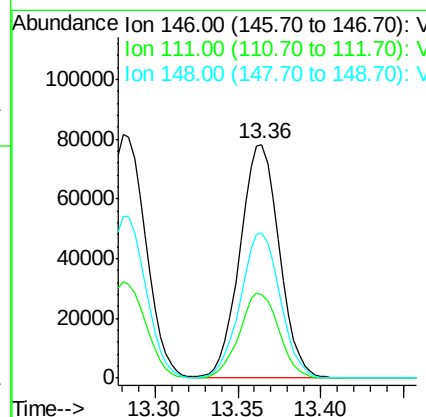
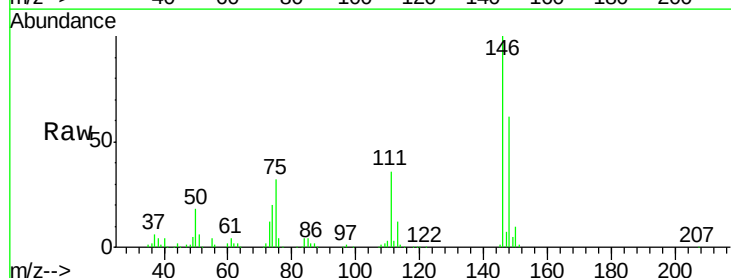
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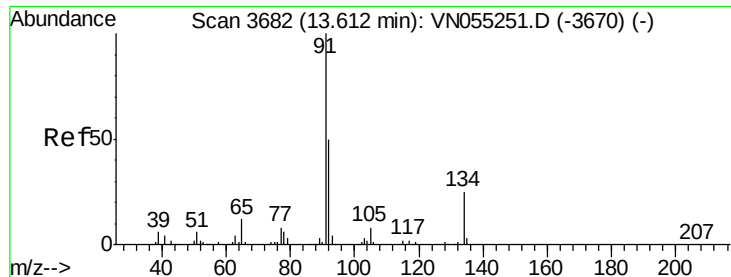
MMDadoda
 4/26/2019 10:58:04 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.830 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.9	56.5
148	62.8	31.4	94.3





#85

n-Butylbenzene

Concen: 18.187 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

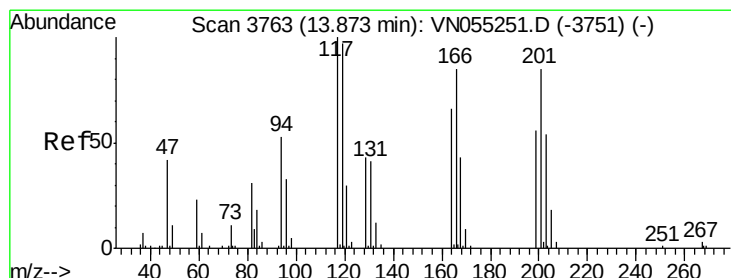
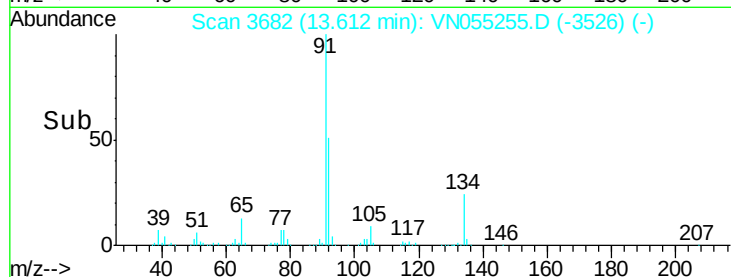
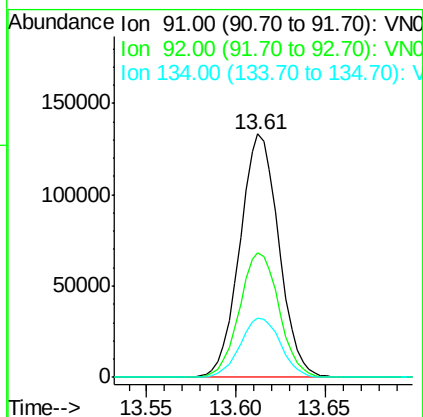
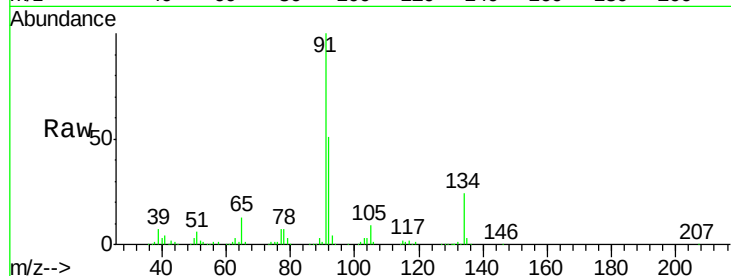
ClientSampleId :

ICVVN042619

Tot Ion:	91	Resp:	202684
Ion Ratio	Lower	Upper	
91	100		
92	52.0	0.0	102.8
134	25.2	0.0	50.0

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#86

Hexachloroethane

Concen: 19.627 ug/l

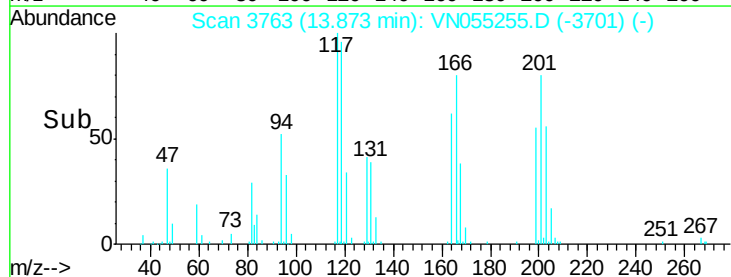
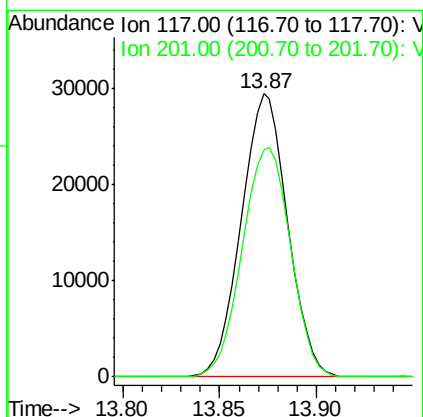
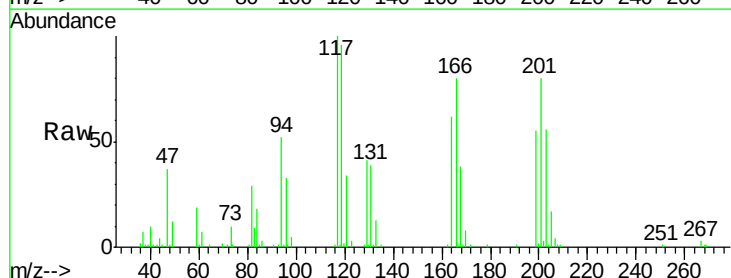
RT: 13.87 min Scan# 3763

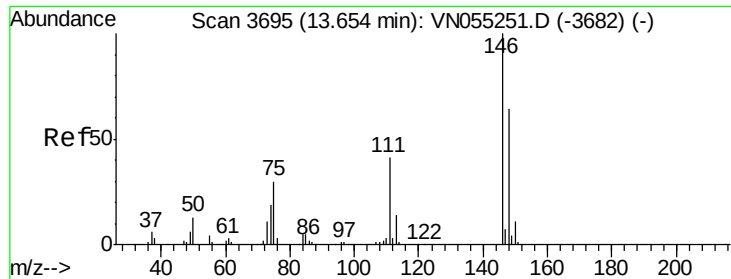
Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Tgt Ion:	117	Resp:	48938
Ion Ratio	Lower	Upper	
117	100		
201	84.2	44.5	133.7





#87

1,2-Dichlorobenzene

Concen: 19.485 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Instrument :

MSVOA_N

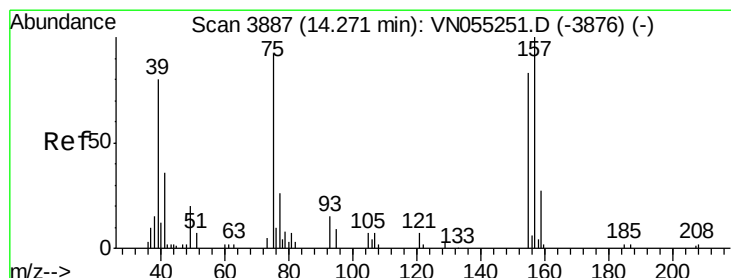
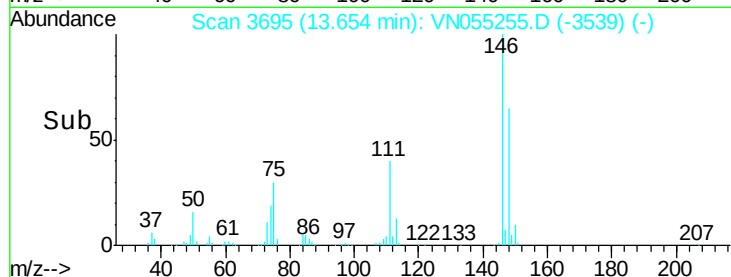
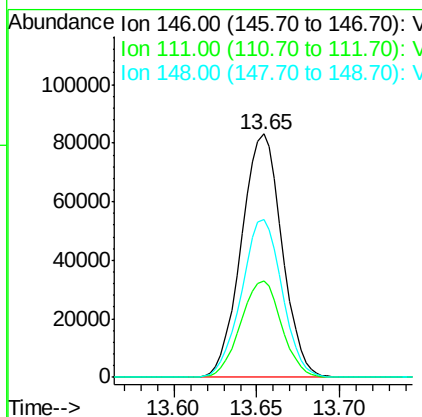
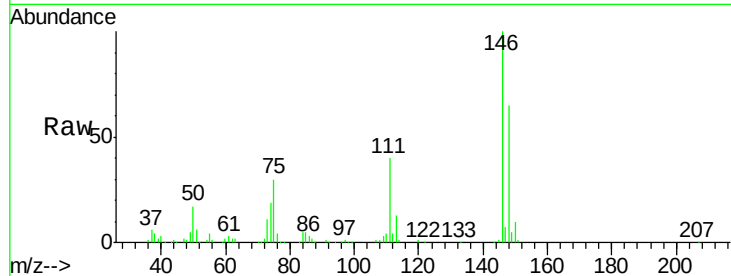
ClientSampleId :

ICVVN042619

Tot Ion:	146	Resp:	141770
Ion Ratio	Lower	Upper	
146	100		
111	39.7	20.8	62.2
148	64.6	31.9	95.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 17.886 ug/l

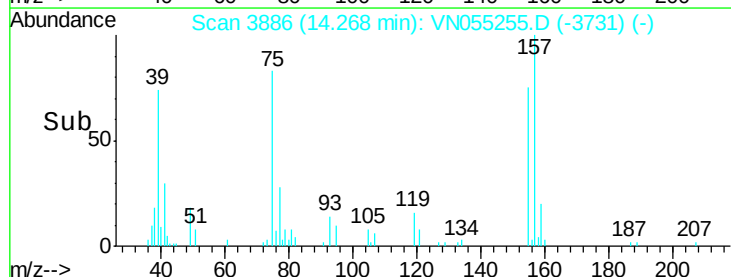
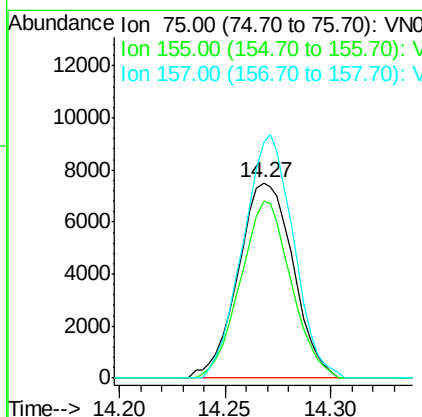
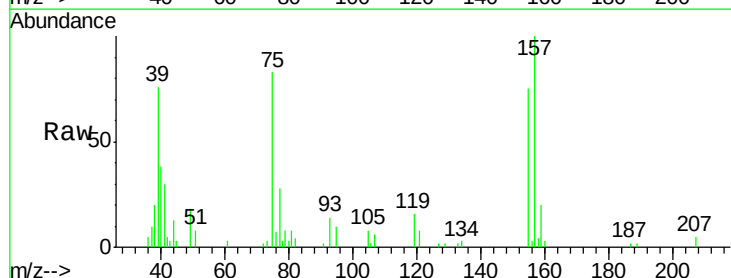
RT: 14.27 min Scan# 3886

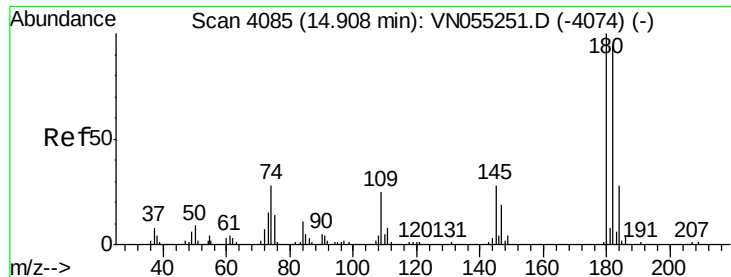
Delta R.T. -0.00 min

Lab File: VN055255.D

Acq: 25 Apr 2019 20:31

Tgt Ion:	75	Resp:	13607
Ion Ratio	Lower	Upper	
75	100		
155	83.6	70.4	105.6
157	114.4	88.5	132.7





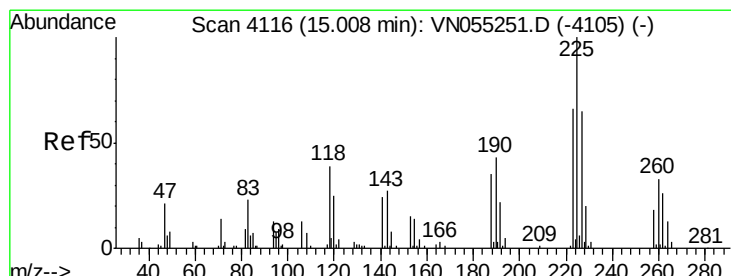
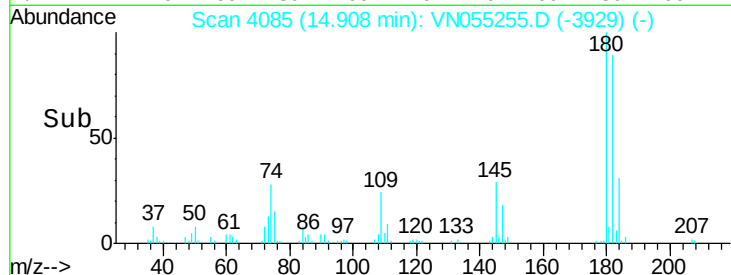
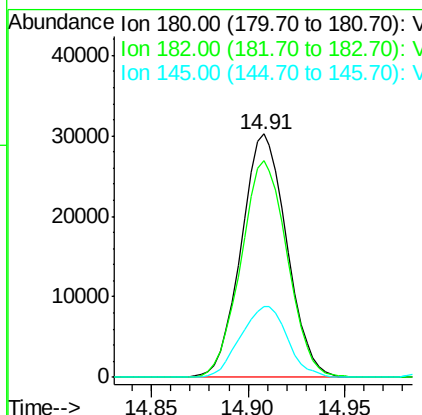
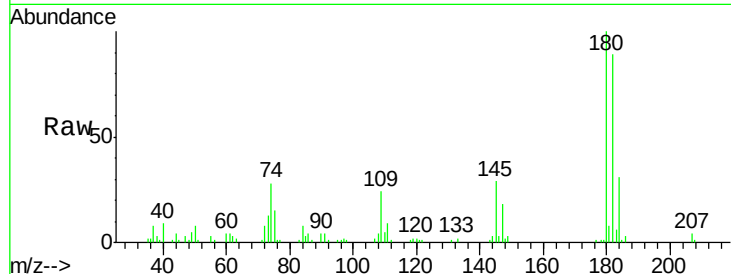
#89
 1,2,4-Trichlorobenzene
 Concen: 17.193 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042619

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.7	74.8	112.2
145	30.0	23.2	34.8

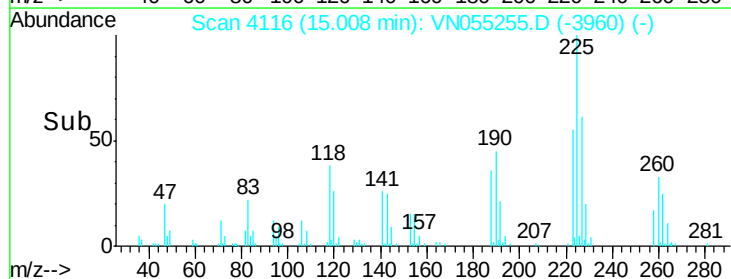
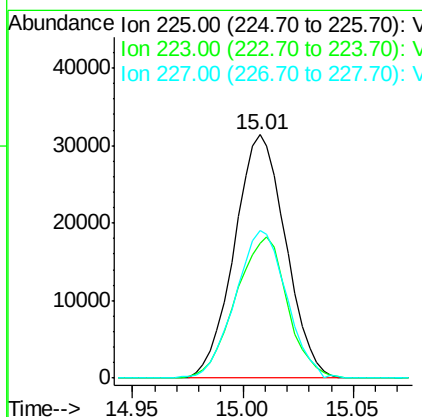
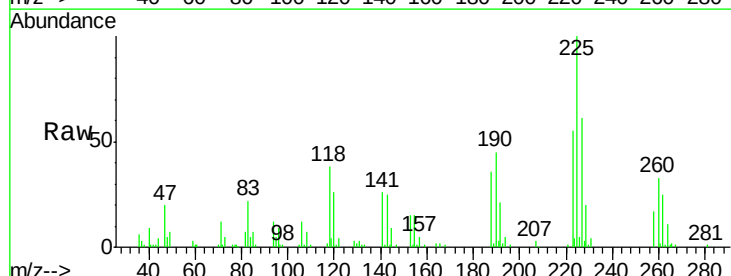
Manual Integrations
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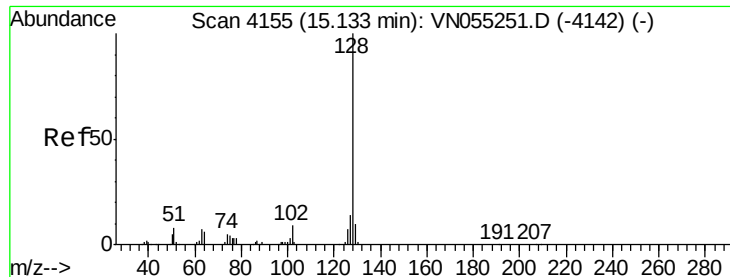
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#90
 Hexachlorobutadiene
 Concen: 20.823 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055255.D
 Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.5	0.0	125.2
227	60.5	0.0	128.4





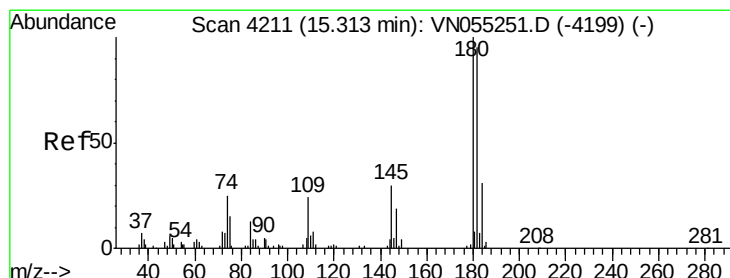
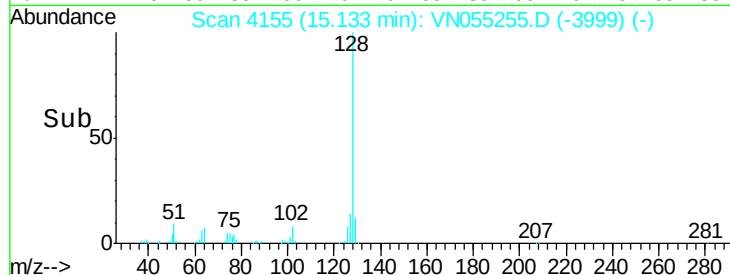
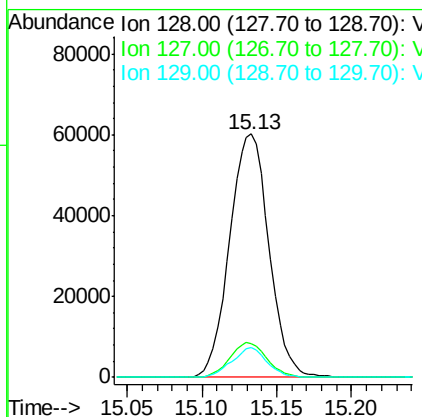
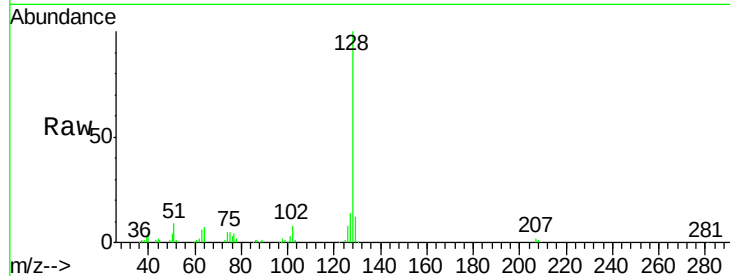
#91
Naphthalene
Concen: 16.529 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042619

Tot Ion	Ratio	Resp	Lower	Upper
128	100	109957		
127	13.3		10.6	16.0
129	10.9		8.0	12.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 17.848 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055255.D
Acq: 25 Apr 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	53607		
182	95.4		0.0	188.0
145	29.8		0.0	60.0

