

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055251.D
 Acq On : 25 Apr 2019 18:24
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC020

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:52:41 AM

Quant Time: Apr 26 04:50:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 04:33:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	68434	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	366441	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	319147	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	162233	31.08	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.60%
60) 4-Bromofluorobenzene	12.40	95	142682	28.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.03%
63) Toluene-d8	10.09	98	459886	30.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	73842	18.799	ug/l 100
3) Chloromethane	2.06	50	101746	18.933	ug/l 100
4) Vinyl Chloride	2.19	62	85261	18.488	ug/l 100
5) Bromomethane	2.56	94	47752	17.938	ug/l 100
6) Chloroethane	2.70	64	46898	18.192	ug/l 100
7) Trichlorofluoromethane	3.02	101	123873	20.583	ug/l 100
8) Diethyl Ether	3.41	74	48603	23.934	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	79373	23.311	ug/l 100
10) 1,1-Dichloroethene	3.73	96	73330	23.218	ug/l 100
11) Methyl Iodide	3.95	142	112578	23.308	ug/l 100
12) Methyl Acetate	4.33	43	108471	26.486	ug/l 100
13) Acrolein	3.61	56	22035	71.447	ug/l 100
14) Acrylonitrile	4.99	53	195389	119.988	ug/l 100
15) Acetone	3.82	58	48588	125.084	ug/l 100
16) Carbon Disulfide	4.05	76	190738	18.736	ug/l 100
17) Allyl chloride	4.33	41	150529	20.019	ug/l 100
18) Methylene Chloride	4.55	84	92808	20.464	ug/l 100
19) trans-1,2-Dichloroethene	5.05	96	80621	20.275	ug/l 100
20) Diisopropyl ether	5.96	45	330251	21.312	ug/l 100
21) 1,1-Dichloroethane	5.85	63	170023	20.767	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	90071	19.591	ug/l 100
23) tert-Butyl Alcohol	4.79	59	36719	134.633	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	236898	22.352	ug/l 100
25) Chloroform	7.37	83	159416	20.428	ug/l 100
26) Cyclohexane	7.66	56	141635	18.995	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	115798	20.129	ug/l 100
30) 2-Butanone	6.84	43	244971	122.302	ug/l 100
31) 2,2-Dichloropropane	6.82	77	111567	20.808	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	129816	21.033	ug/l 100
33) Carbon Tetrachloride	7.78	117	105301	19.906	ug/l 100
34) Benzene	8.04	78	350207	20.430	ug/l 100
35) Methacrylonitrile	7.18	41	62100	25.733	ug/l 100
36) 1,2-Dichloroethane	8.12	62	126332	21.363	ug/l 100
37) Trichloroethene	8.84	130	87919	20.241	ug/l 100
38) Methylcyclohexane	9.08	83	122104	18.640	ug/l 100
39) 1,2-Dichloropropane	9.12	63	101594	21.244	ug/l 100
40) Dibromomethane	9.21	93	59644	21.941	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	115469	20.713	ug/l	100
42) Vinyl Acetate	5.90	43	1111166	110.726	ug/l	100
43) Ethyl Acetate	6.93	43	106417	25.380	ug/l	100
44) Isopropyl Acetate	8.17	43	184682	25.611	ug/l	100
45) 1,4-Dioxane	9.20	88	19903	510.811	ug/l	100
46) Methyl methacrylate	9.20	41	85937	23.589	ug/l	100
47) n-amyl Acetate	12.07	43	119879	23.195	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	109703	20.936	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	130404	20.531	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	80547	21.758	ug/l	100
51) Ethyl methacrylate	10.43	69	100850	22.229	ug/l	100
52) 1,3-Dichloropropane	10.71	76	139725	21.592	ug/l	100
53) Dibromochloromethane	10.90	129	79308	20.801	ug/l	100
54) 1,2-Dibromoethane	11.01	107	74921	21.390	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	149054	85.149	ug/l	100
56) Bromoform	12.13	173	51924	21.272	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	505568	126.378	ug/l	100
59) 2-Hexanone	10.75	43	322912	127.910	ug/l	100
61) Tetrachloroethene	10.63	164	87997	21.004	ug/l	100
62) Toluene	10.16	91	365280	20.549	ug/l	100
64) Chlorobenzene	11.43	112	214268	20.082	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	78987	20.526	ug/l	100
66) Ethyl Benzene	11.51	91	379804	19.996	ug/l	100
67) m/p-Xylenes	11.62	106	285185	40.473	ug/l	100
68) o-Xylene	11.95	106	145031	20.674	ug/l	100
69) Styrene	11.96	104	211792	19.594	ug/l	100
70) Isopropylbenzene	12.25	105	378016	20.298	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	102158	23.056	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	86124m	23.569	ug/l	100
73) Bromobenzene	12.53	156	87010	19.793	ug/l	100
74) n-propylbenzene	12.59	91	413618	19.938	ug/l	100
75) 2-Chlorotoluene	12.67	91	255991	20.357	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	304949	20.307	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	20570	21.802	ug/l	100
78) 4-Chlorotoluene	12.77	91	239473	19.964	ug/l	100
79) tert-butylbenzene	12.99	119	265672	20.397	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	297964	20.114	ug/l	100
81) sec-Butylbenzene	13.17	105	348613	20.127	ug/l	100
82) p-Isopropyltoluene	13.29	119	284485	19.575	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	137121	18.823	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	128162	18.507	ug/l	100
85) n-Butylbenzene	13.61	91	198532	17.347	ug/l	100
86) Hexachloroethane	13.87	117	46512	19.684	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	140002	19.511	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13785	23.137	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	45229	14.438	ug/l	100
90) Hexachlorobutadiene	15.01	225	47256	20.320	ug/l	100
91) Naphthalene	15.13	128	98315	14.707	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	49920	15.830	ug/l	100

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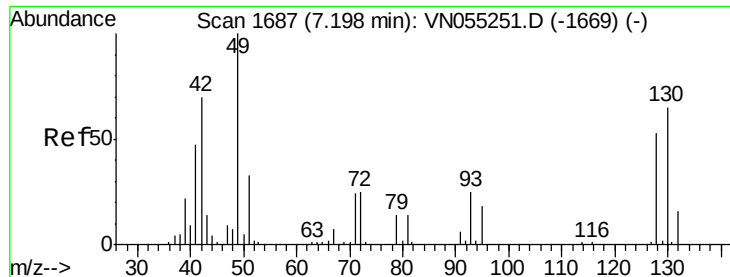
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MMdadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:128 Resp: 68434

Ion Ratio Lower Upper

128 100

49 194.0 0.0 485.0

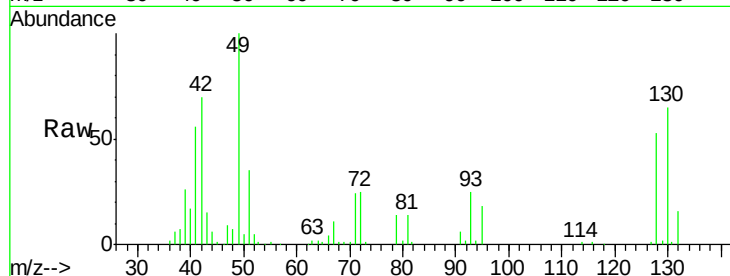
130 129.9 0.0 324.7

Manual Integrations

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MMdadoda

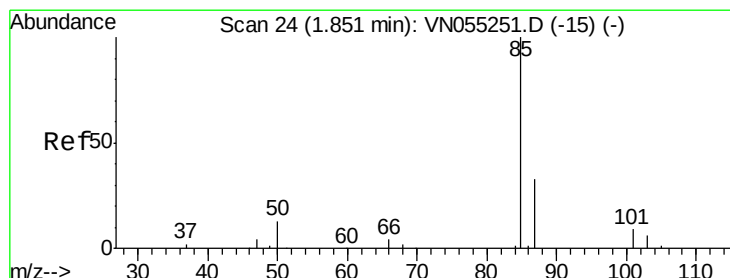
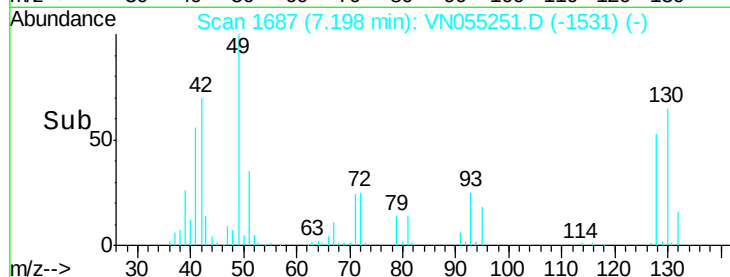
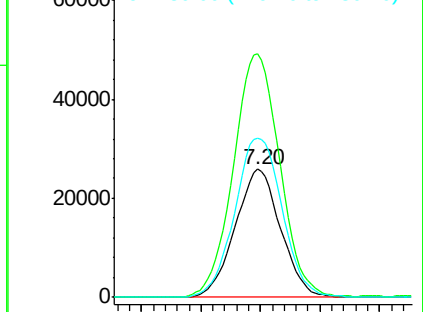
4/26/2019 10:52:41 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.799 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055251.D

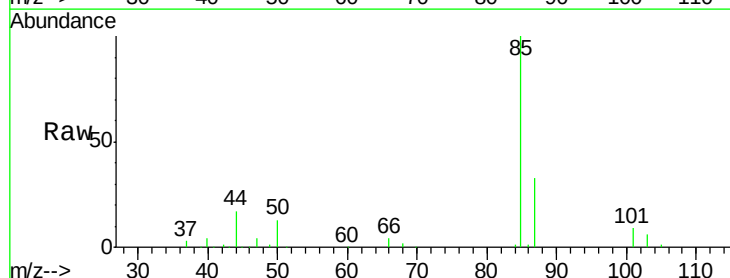
Acq: 25 Apr 2019 18:24

Tgt Ion: 85 Resp: 73842

Ion Ratio Lower Upper

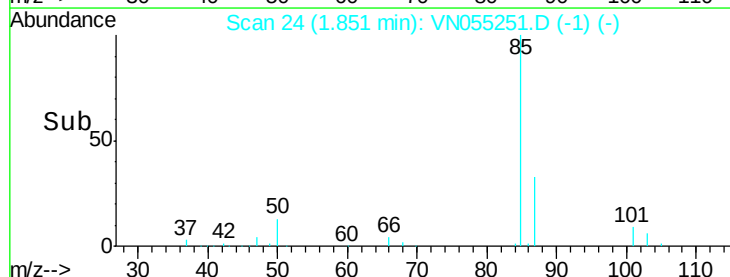
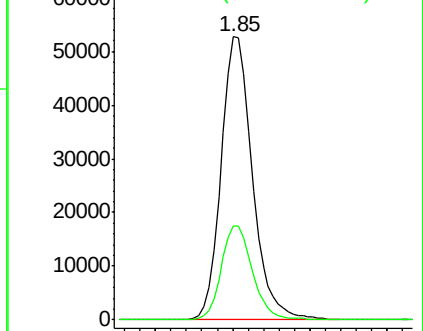
85 100

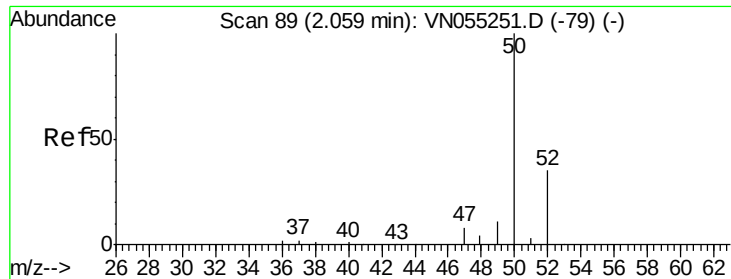
87 33.1 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.933 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 50 Resp: 101746

Ion Ratio Lower Upper

50 100

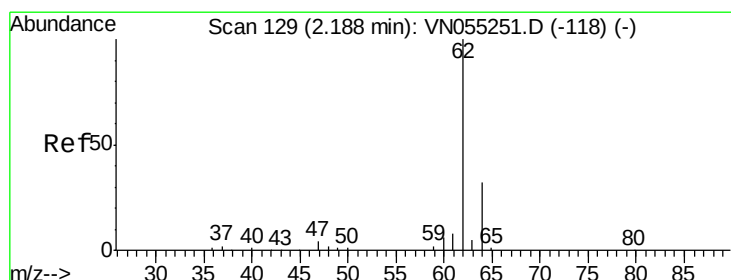
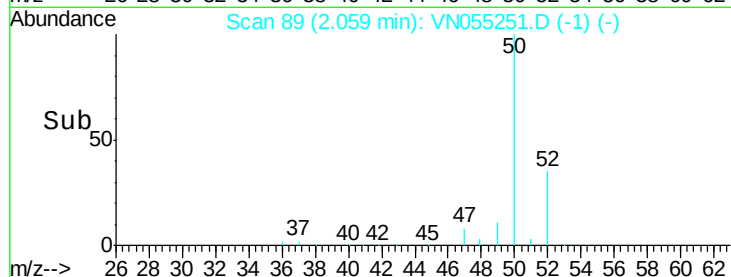
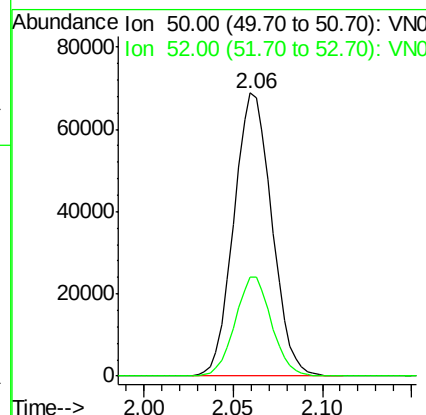
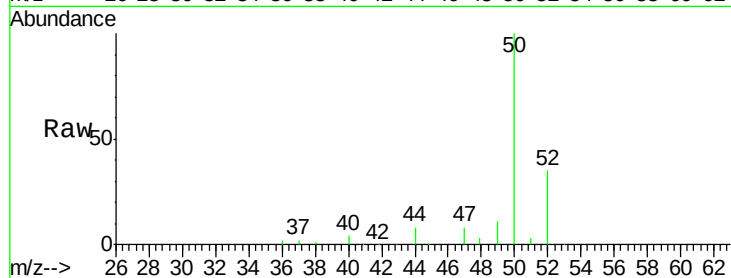
52 34.9 27.9 41.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.488 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055251.D

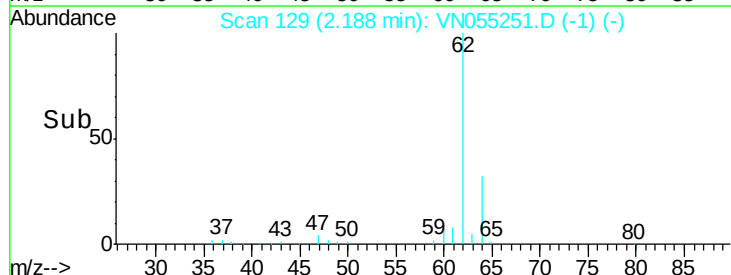
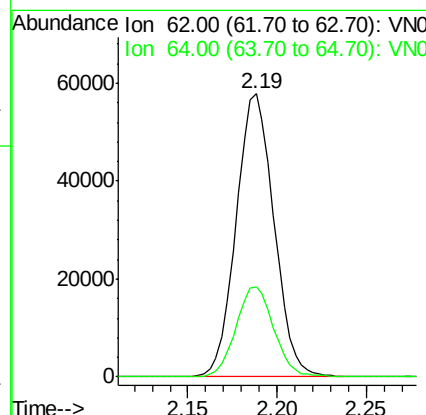
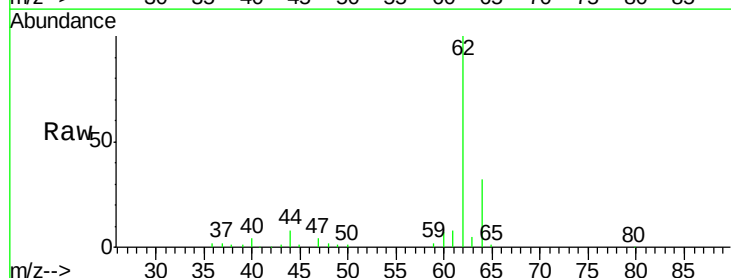
Acq: 25 Apr 2019 18:24

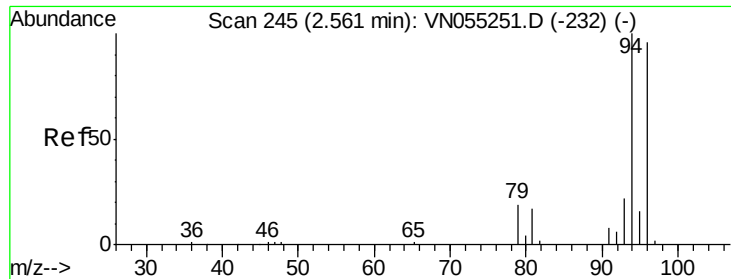
Tgt Ion: 62 Resp: 85261

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





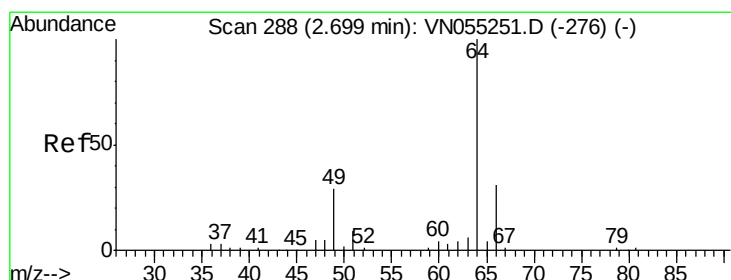
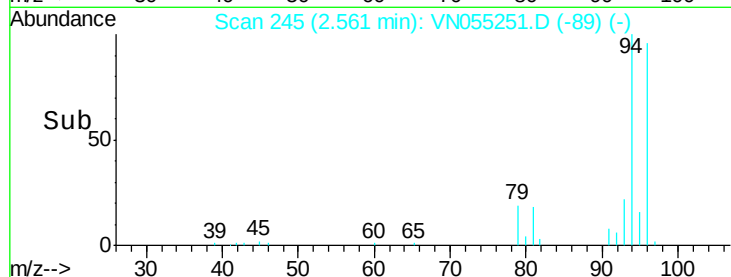
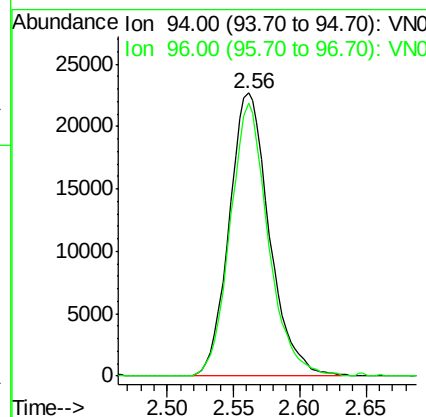
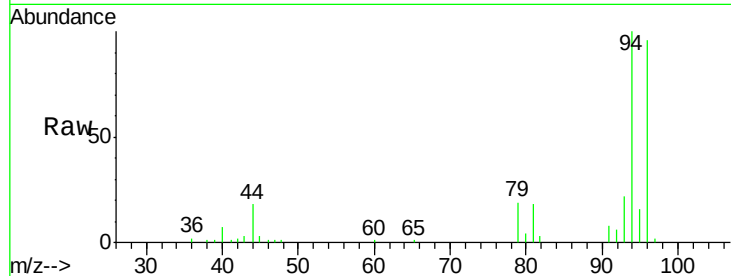
#5
Bromomethane
Concen: 17.938 ug/l
RT: 2.56 min Scan# 245
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Instrument :
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ClientSampleId :
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Tot Ion: 94 Resp: 47752
Ion Ratio Lower Upper
94 100
96 96.3 77.0 115.6

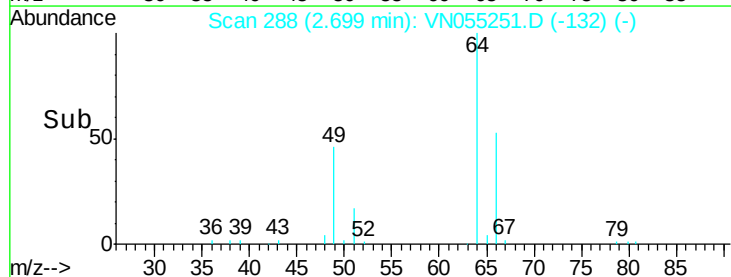
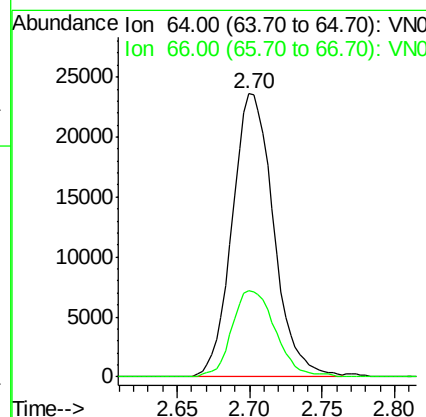
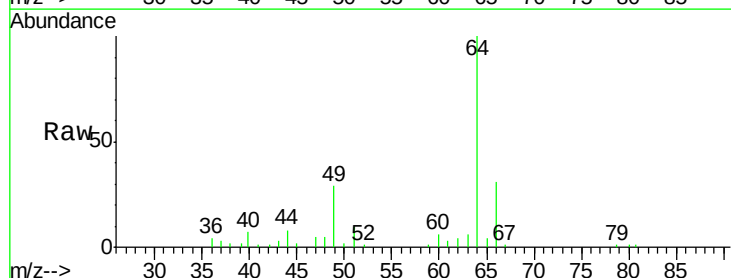
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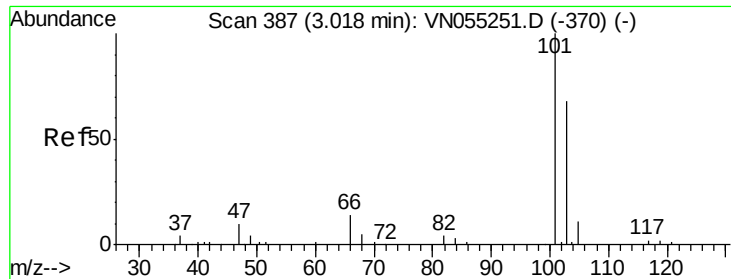
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#6
Chloroethane
Concen: 18.192 ug/l
RT: 2.70 min Scan# 288
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion: 64 Resp: 46898
Ion Ratio Lower Upper
64 100
66 30.7 24.6 36.8





#7

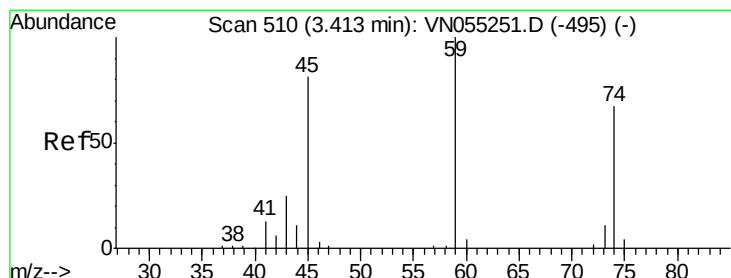
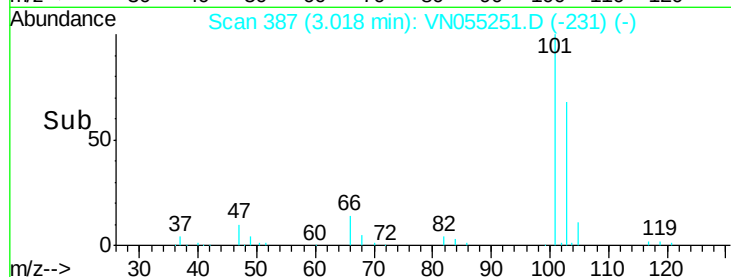
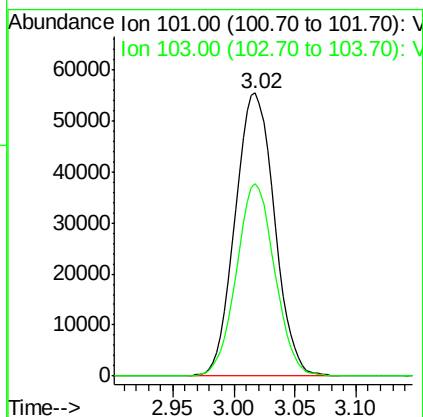
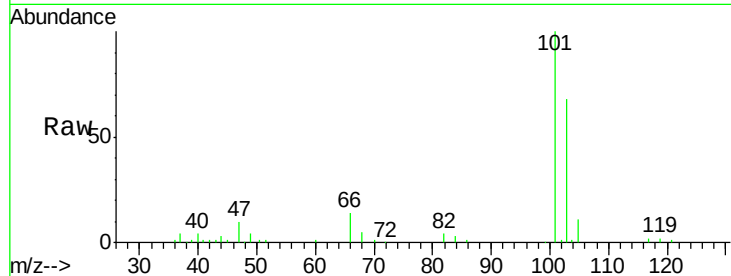
Trichlorofluoromethane
Concen: 20.583 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.2	54.6	81.8

Manual Integrations
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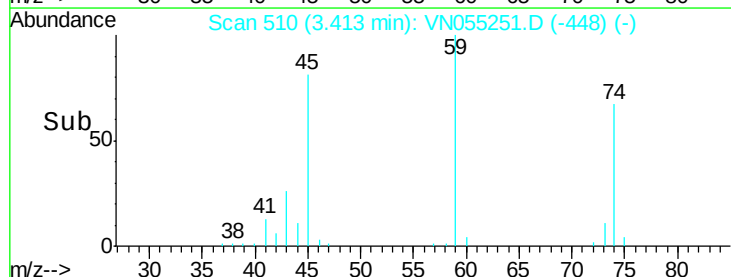
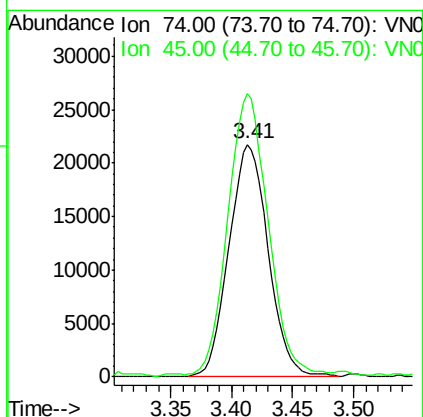
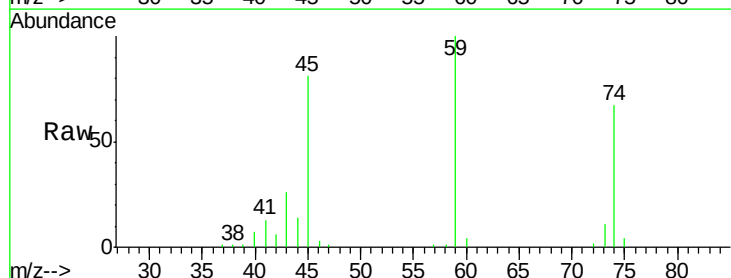
MMdadoda
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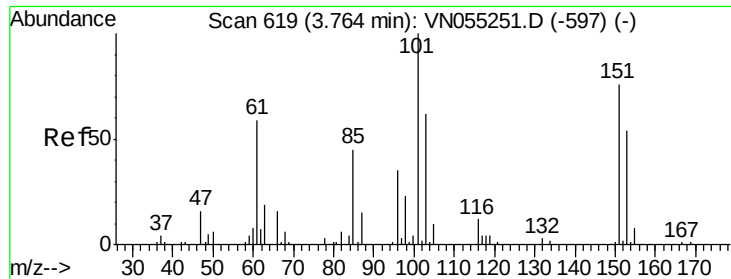


#8

Diethyl Ether
Concen: 23.934 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	125.4	25.1	225.7





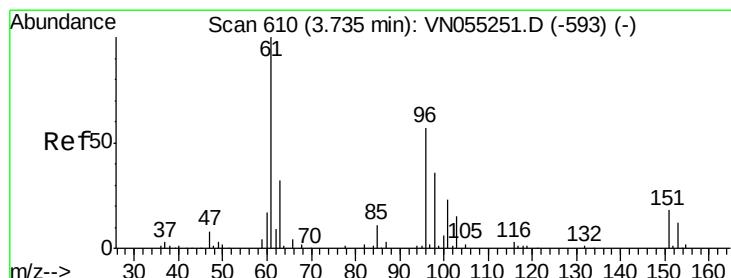
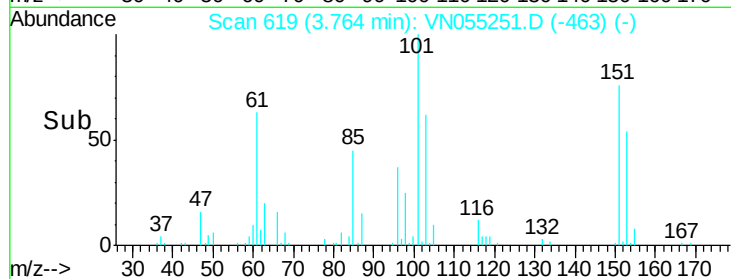
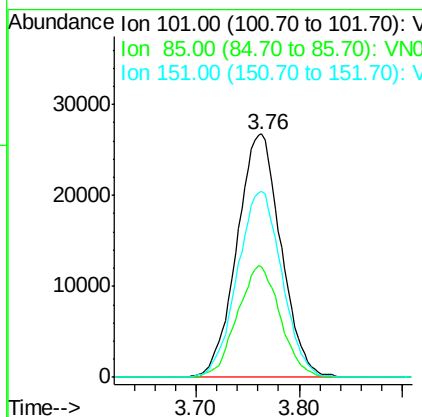
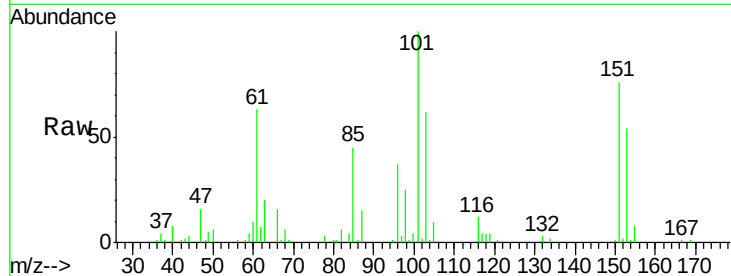
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 23.311 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN055251.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	44.5	0.0	89.0
151	77.2	0.0	154.4

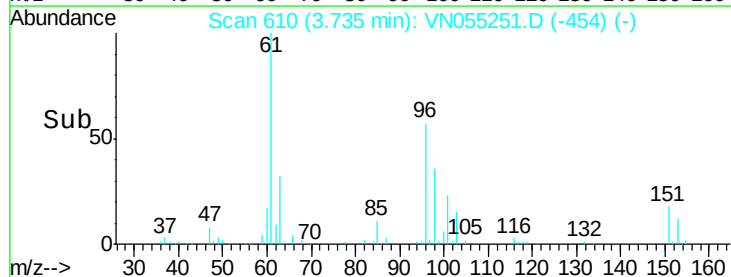
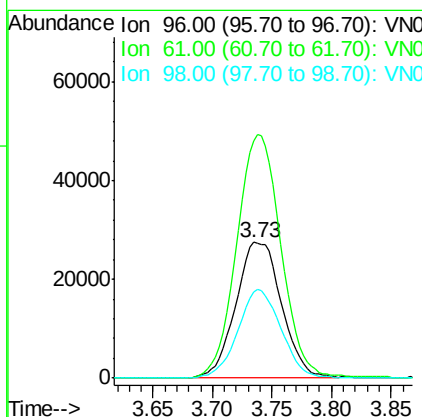
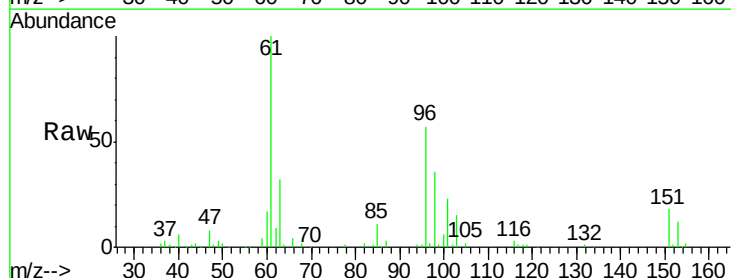
Manual Integrations
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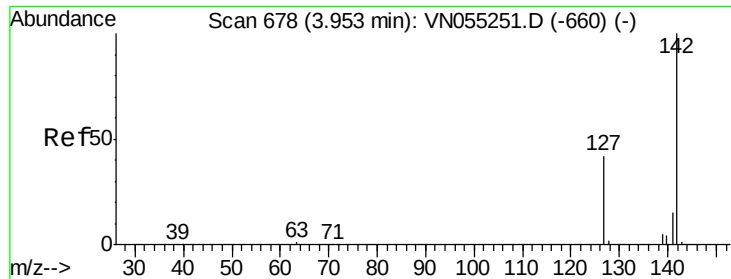
MMDadoda
 4/26/2019 10:52:41 AM



#10
 1,1-Dichloroethene
 Concen: 23.218 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.9	139.9	209.9
98	63.5	50.8	76.2





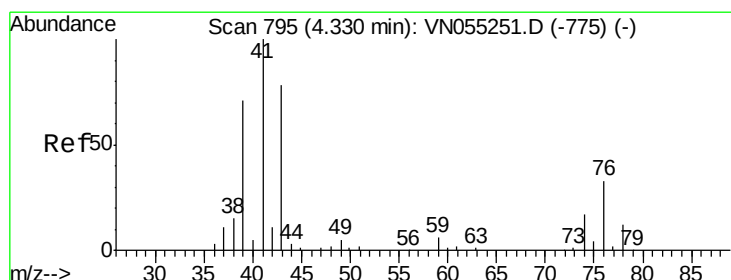
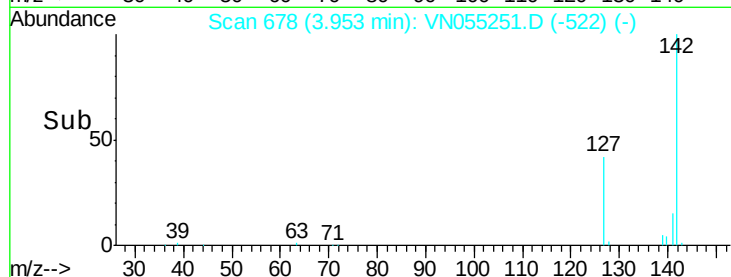
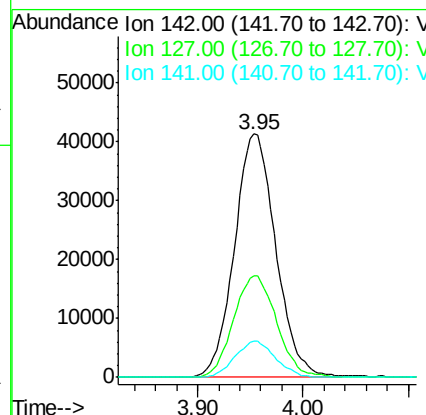
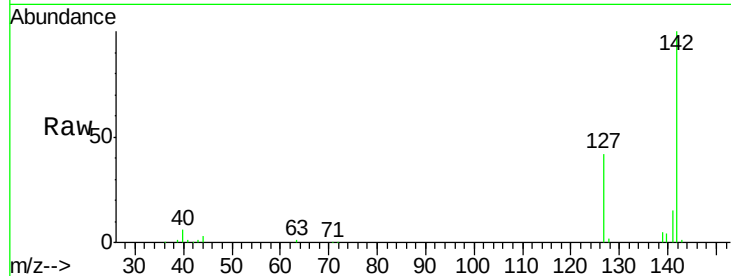
#11
Methvl Iodide
Concen: 23.308 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.8	20.9	62.7
141	15.2	7.6	22.8

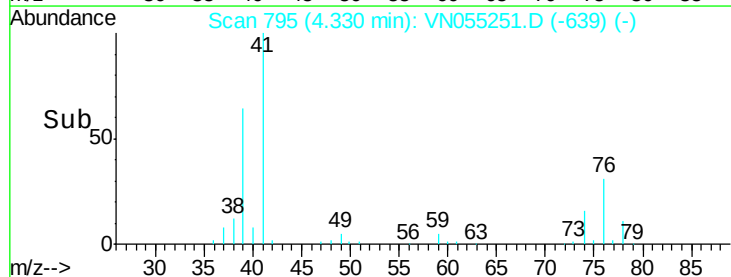
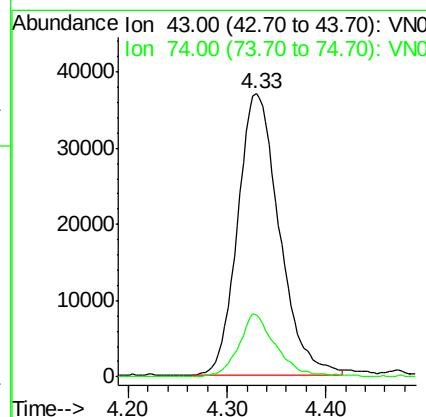
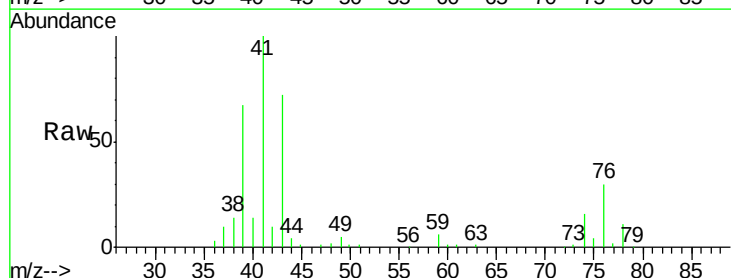
Manual Integrations
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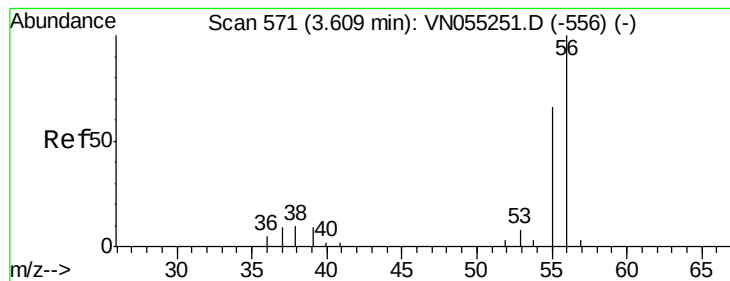
MMDadoda
4/26/2019 10:52:41 AM



#12
Methyl Acetate
Concen: 26.486 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.7	26.5





#13

Acrolein

Concen: 71.447 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Tot Ion: 56 Resp: 22035

Ion Ratio Lower Upper

56 100

55 68.6 54.9 82.3

Instrument :

MSVOA_N

ClientSampled :

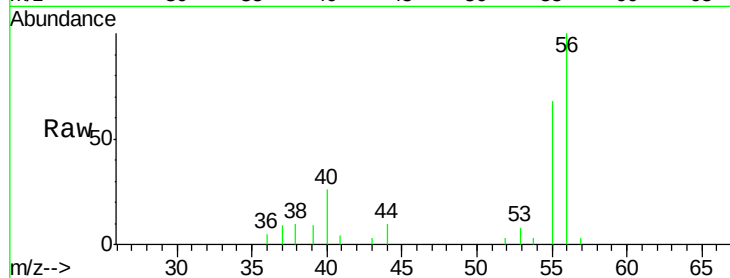
VSTDICCC020

Manual Integrations

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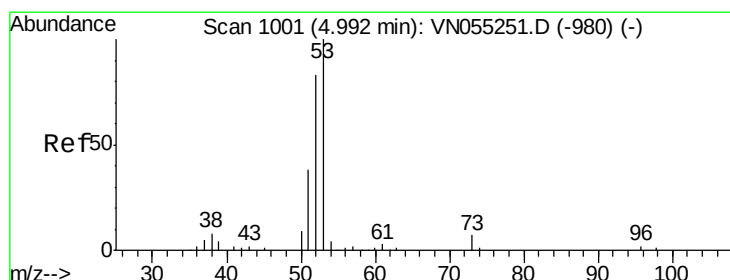
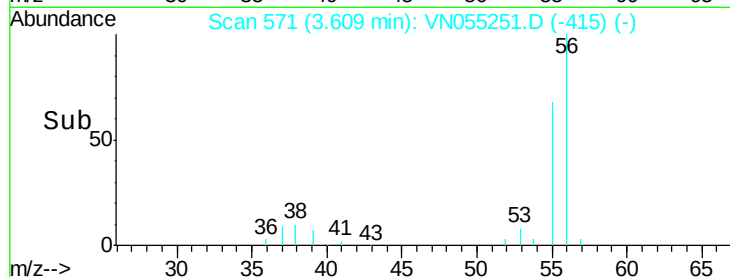
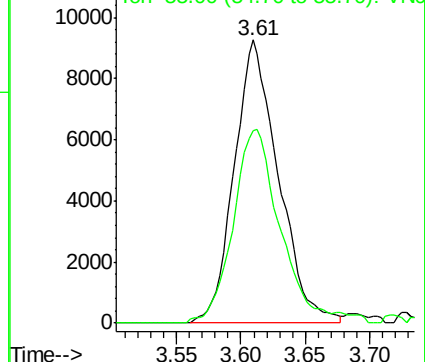
MMdadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 119.988 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

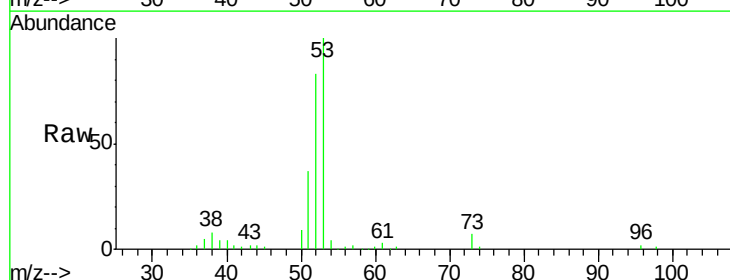
Tgt Ion: 53 Resp: 195389

Ion Ratio Lower Upper

53 100

52 82.1 41.0 123.2

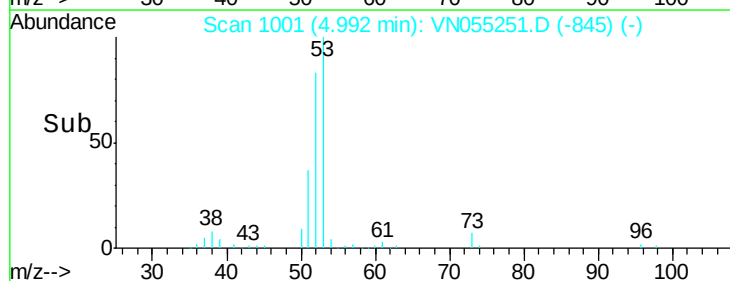
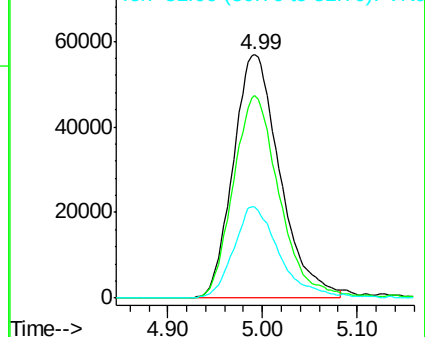
51 36.3 18.1 54.4

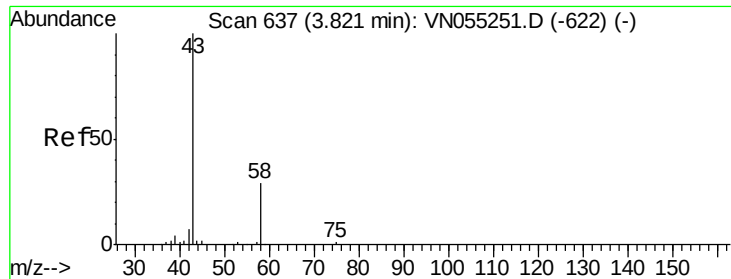


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 125.084 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Tot Ion: 58 Resp: 48588

Ion Ratio Lower Upper

58 100

43 347.7 278.2 417.2

Instrument :

MSVOA_N

ClientSampleId :

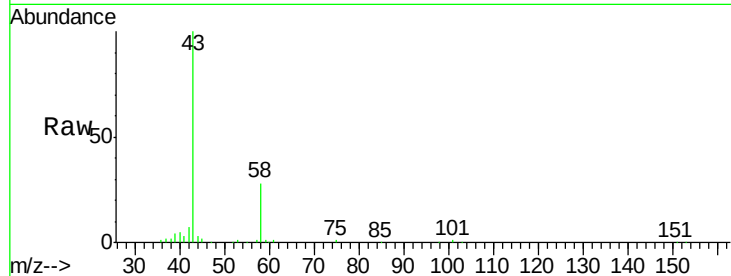
VSTDICCC020

Manual Integrations

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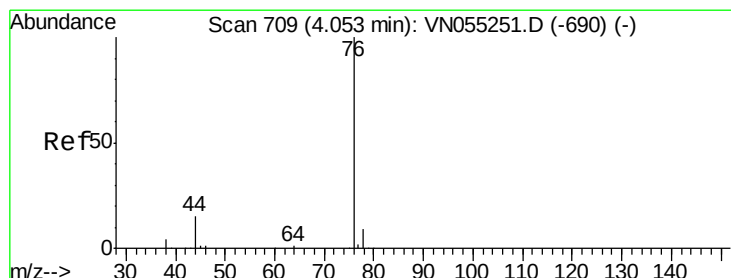
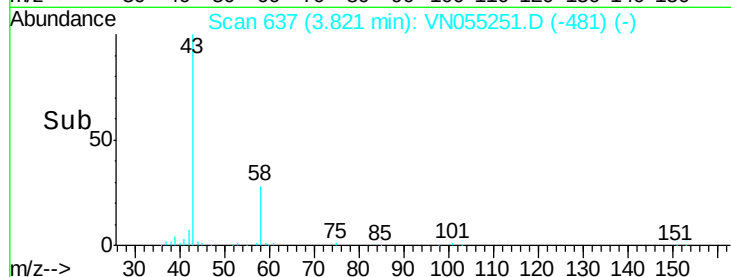
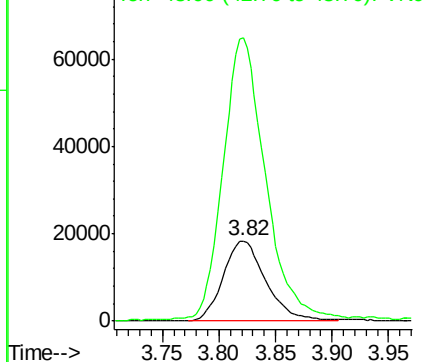
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.736 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN055251.D

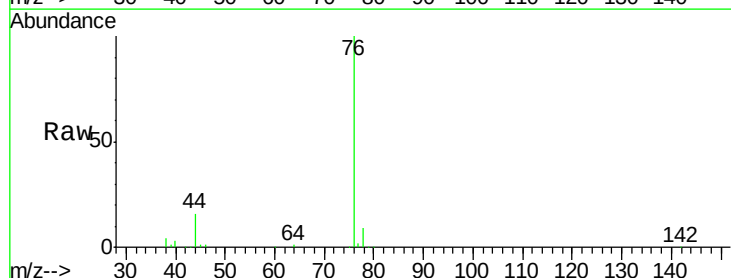
Acq: 25 Apr 2019 18:24

Tgt Ion: 76 Resp: 190738

Ion Ratio Lower Upper

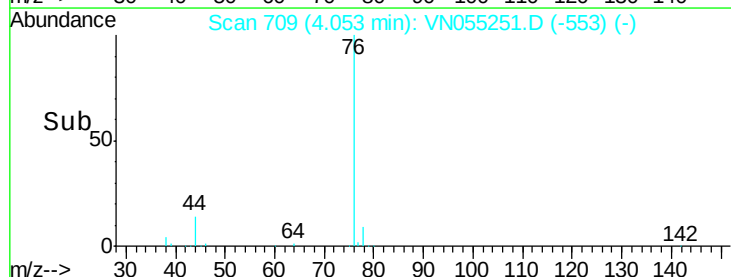
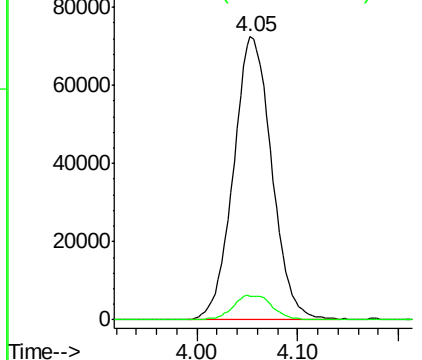
76 100

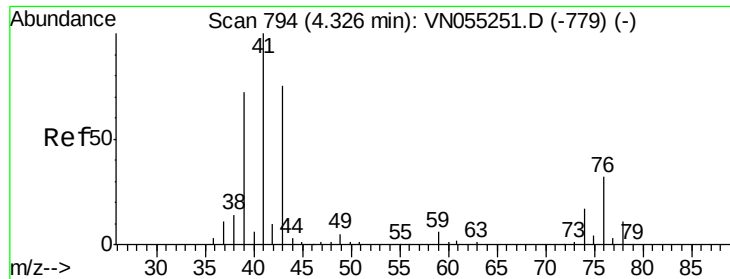
78 8.5 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 20.019 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

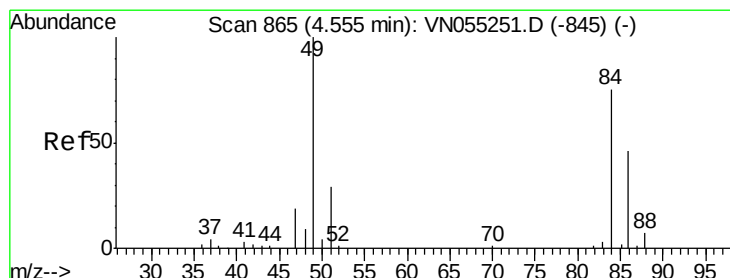
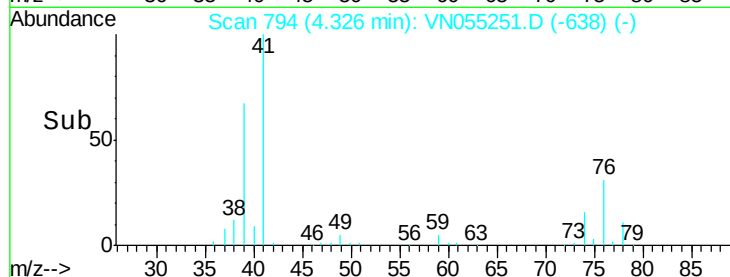
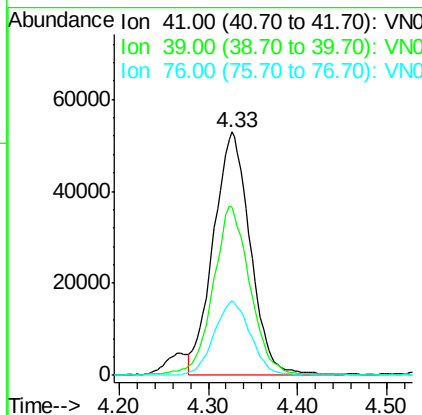
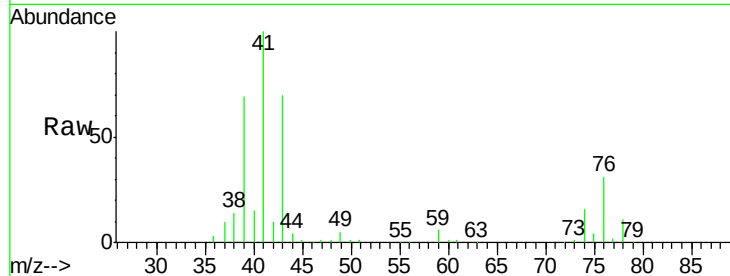
ClientSampleId :

VSTDICCC020

Tot Ion:	41	Resp:	150529
Ion Ratio	Lower	Upper	
41	100		
39	68.8	34.4	103.2
76	30.6	15.3	45.9

Manual Integrations
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#18

Methylene Chloride

Concen: 20.464 ug/l

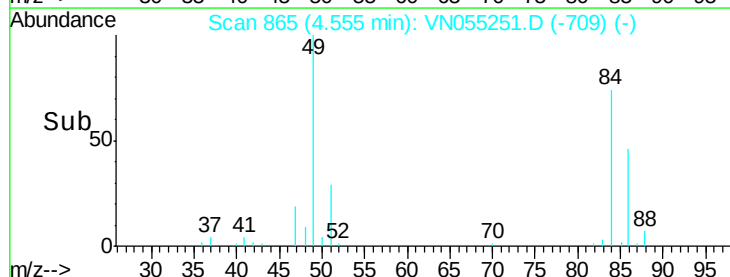
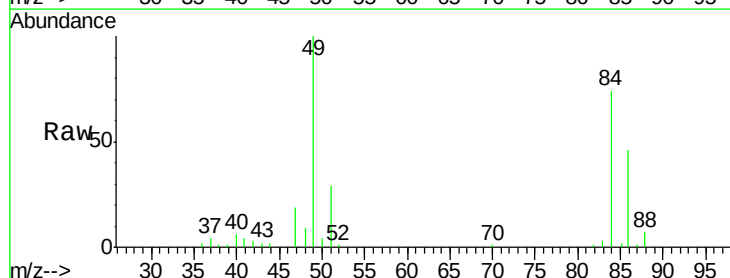
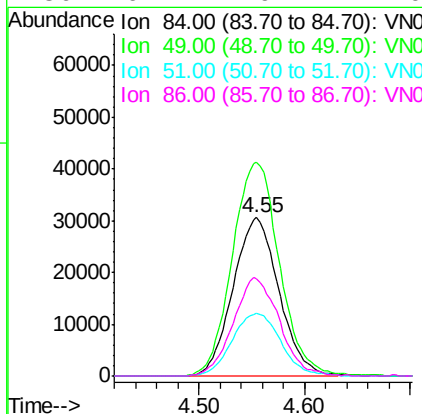
RT: 4.55 min Scan# 865

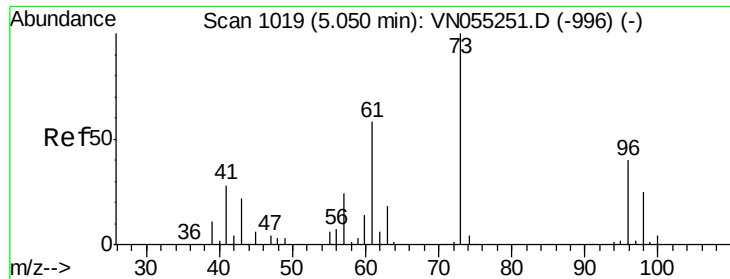
Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Tgt Ion:	84	Resp:	92808
Ion Ratio	Lower	Upper	
84	100		
49	134.0	107.2	160.8
51	39.3	31.4	47.2
86	61.7	49.4	74.0





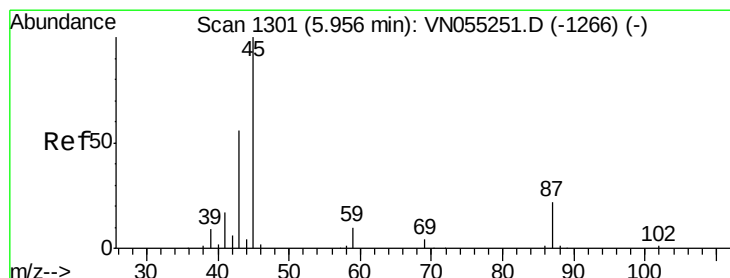
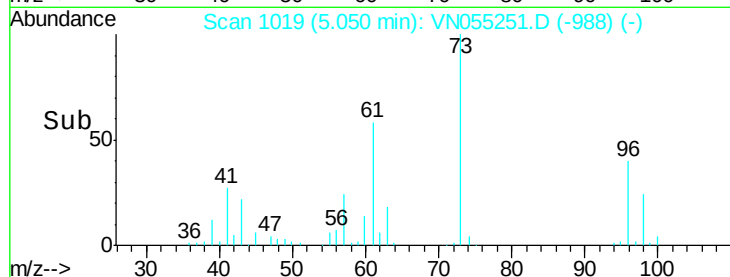
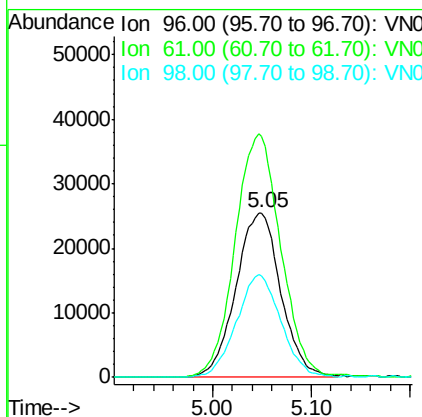
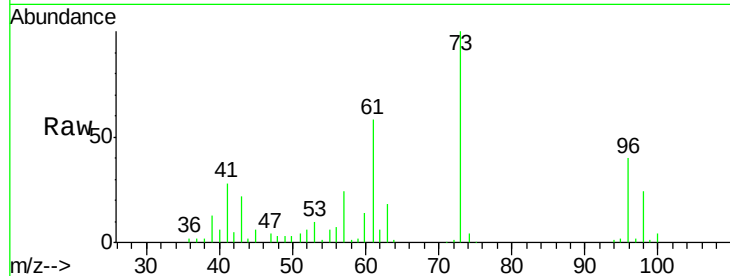
#19
trans-1,2-Dichloroethene
Concen: 20.275 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.4	116.3	174.5
98	61.8	49.4	74.2

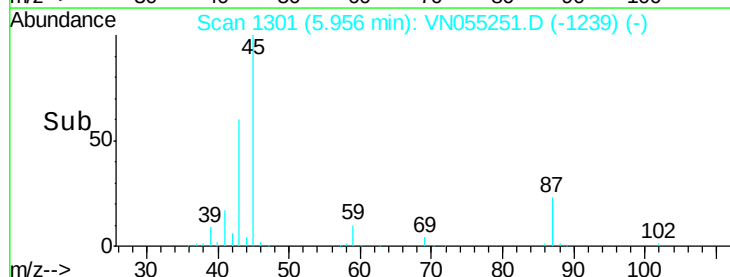
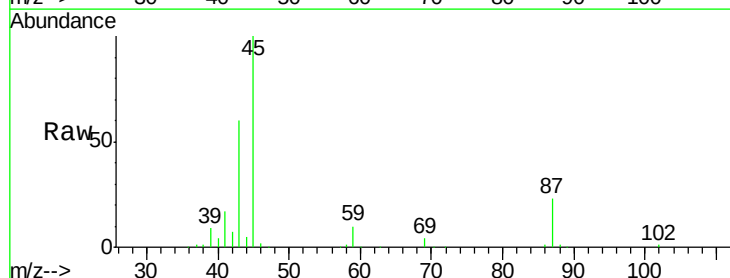
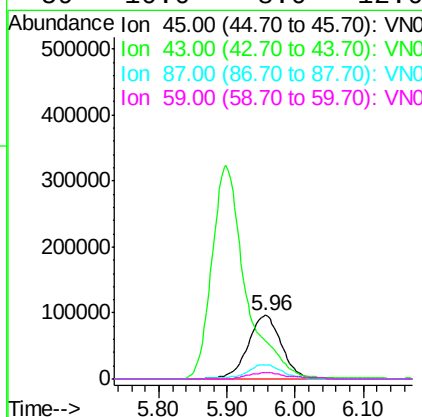
Manual Integrations
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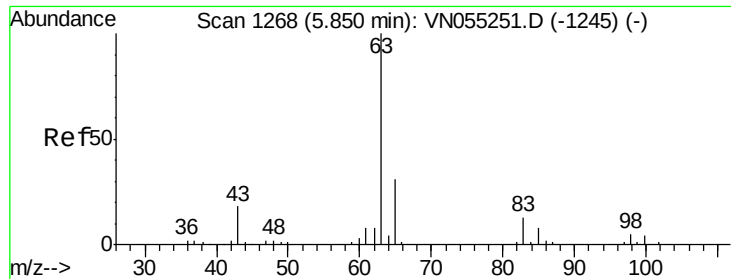
MMDadoda
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#20
Diisopropyl ether
Concen: 21.312 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.6	46.1	69.1
87	22.9	18.3	27.5
59	10.0	8.0	12.0





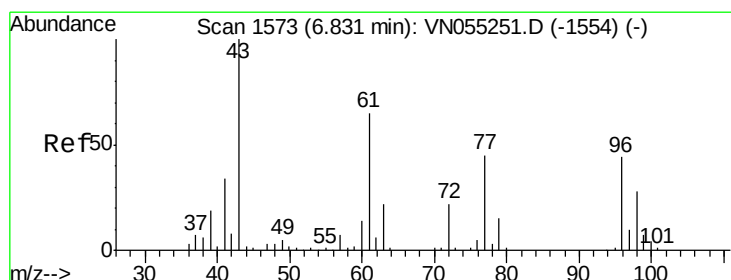
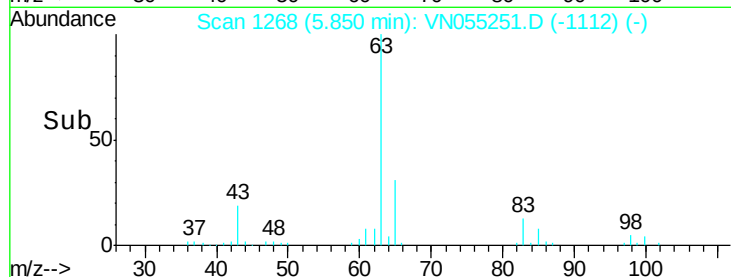
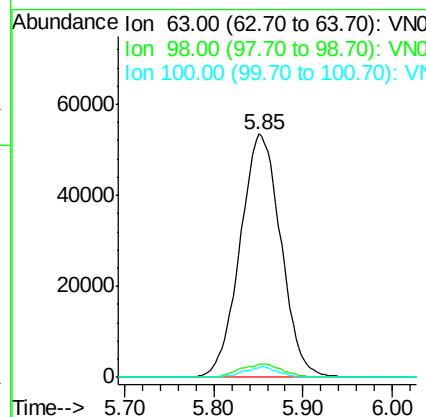
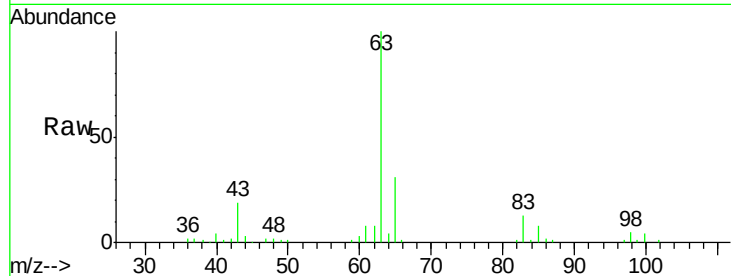
#21
 1,1-Dichloroethane
 Concen: 20.767 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	5.5	2.8	8.3	
100	3.9	2.0	5.8	

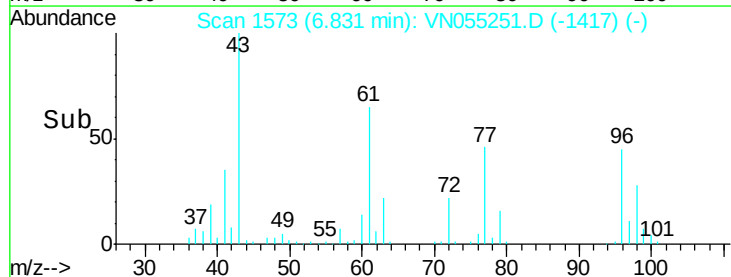
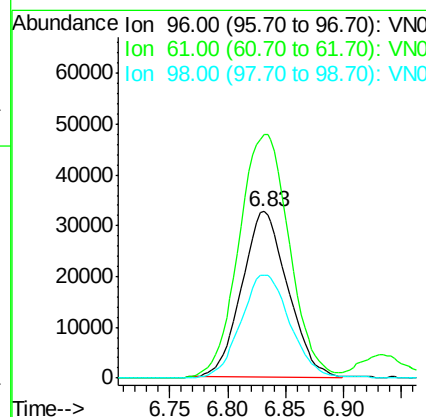
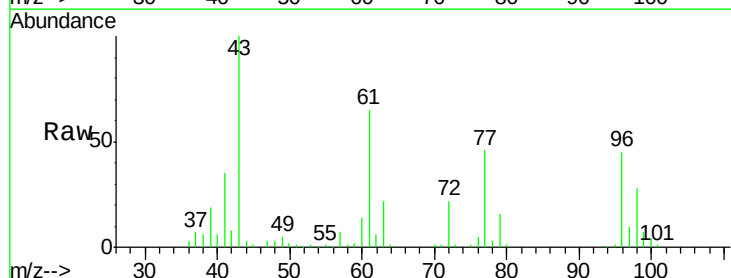
Manual Integrations
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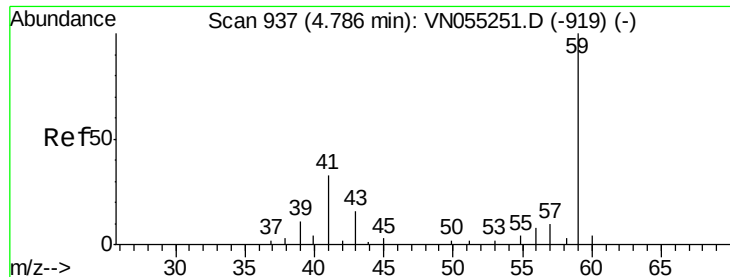
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 19.591 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.4	129.1	193.7	
98	66.5	53.2	79.8	





#23

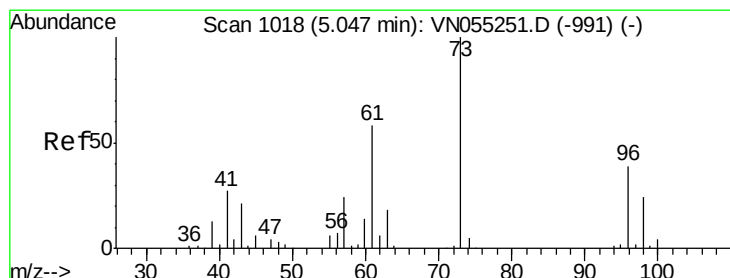
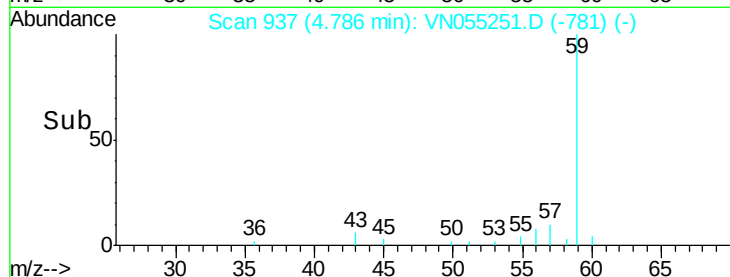
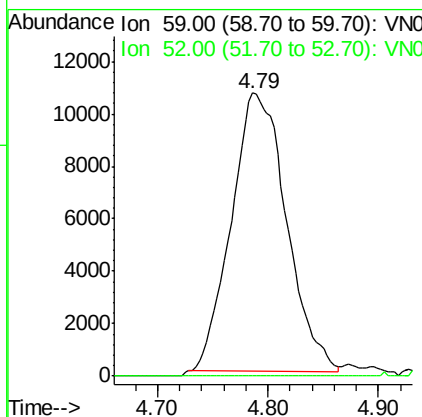
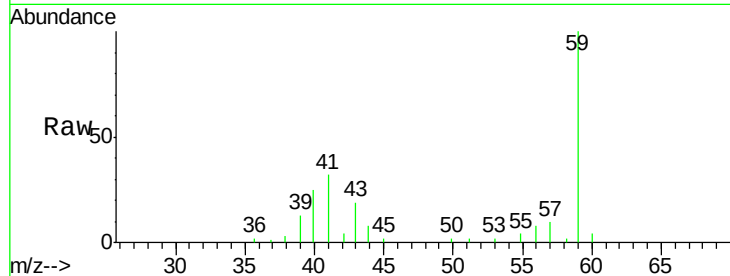
tert-Butyl Alcohol
 Concen: 134.633 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		36719		
52	0.0		0.0	0.0	0.0

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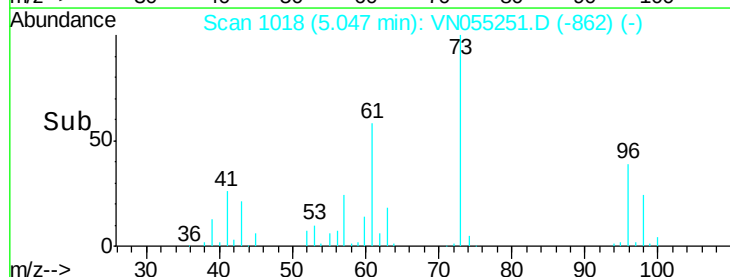
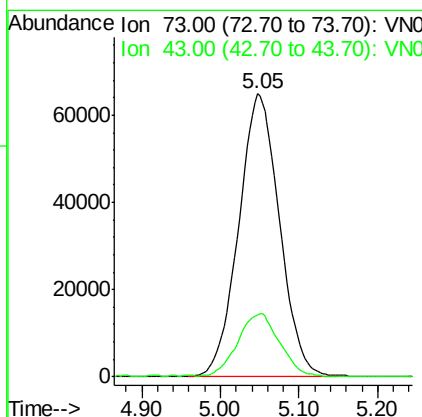
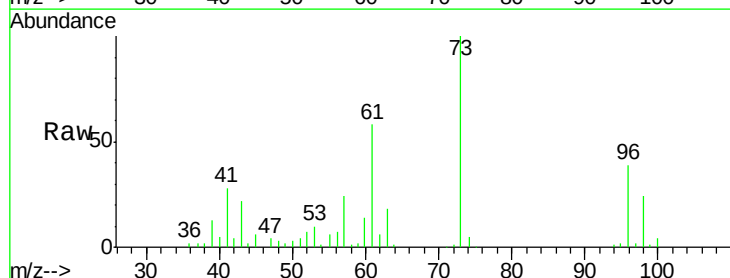
MMDadoda
 4/26/2019 10:52:41 AM

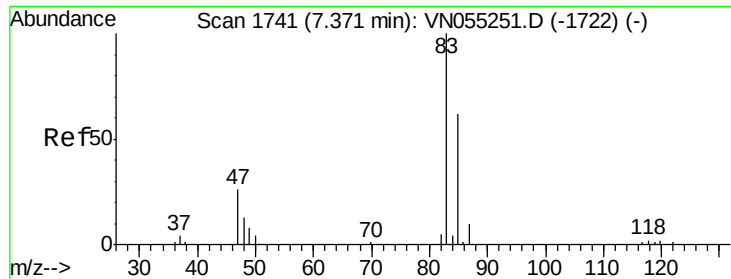


#24

Methyl tert-Butyl Ether
 Concen: 22.352 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		236898		
43	22.4		17.9	26.9	





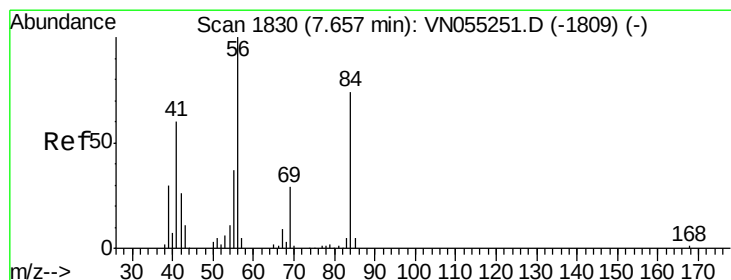
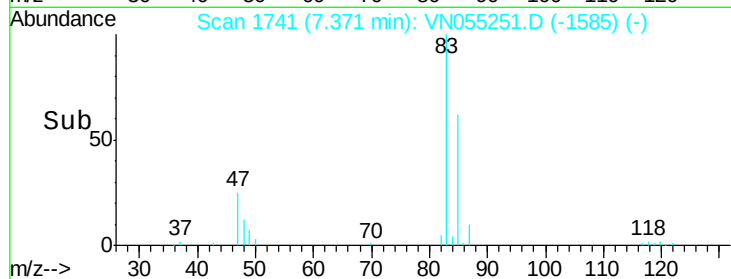
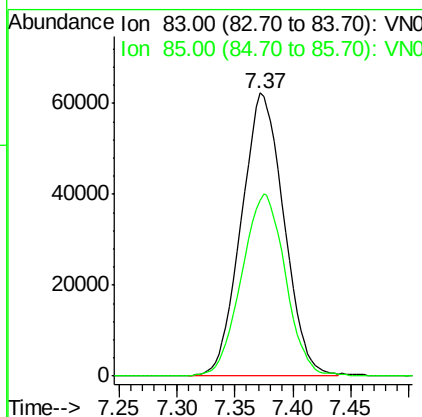
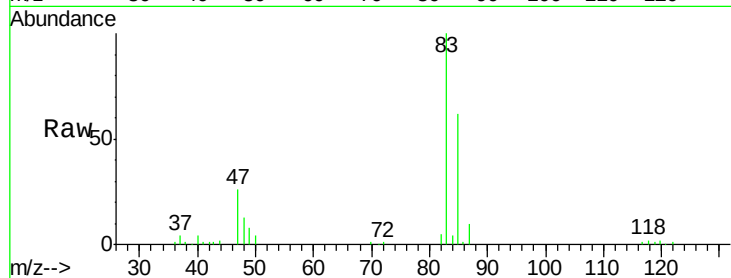
#25
Chloroform
Concen: 20.428 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	83	Resp	159416
Ion Ratio	100	Lower	Upper
83	100		
85	62.1	49.7	74.5

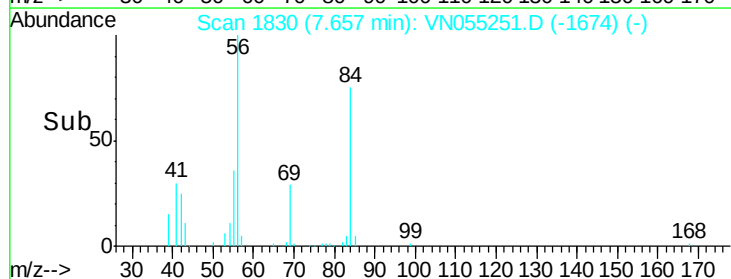
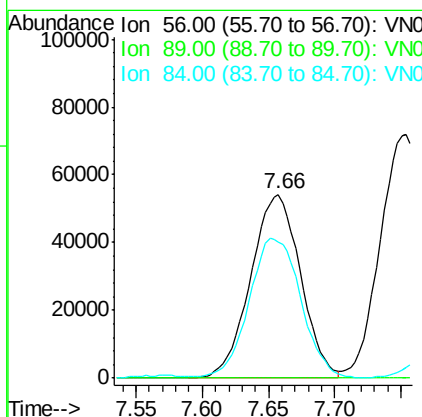
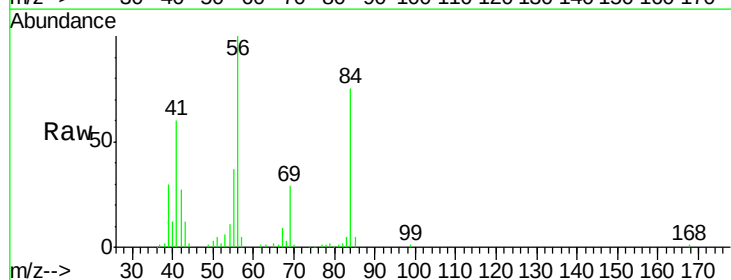
Manual Integrations
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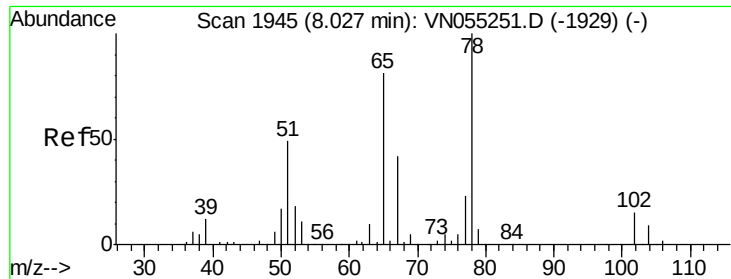
MMdadoda
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#26
Cyclohexane
Concen: 18.995 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion	56	Resp	141635
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	79.4	63.5	95.3





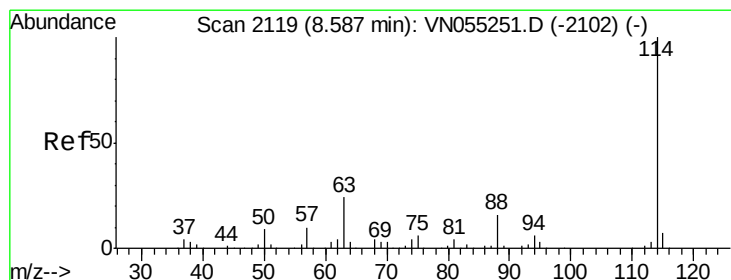
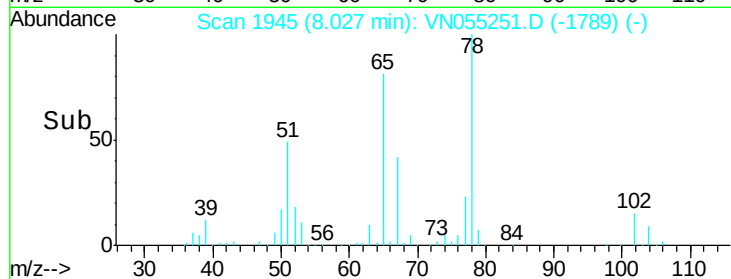
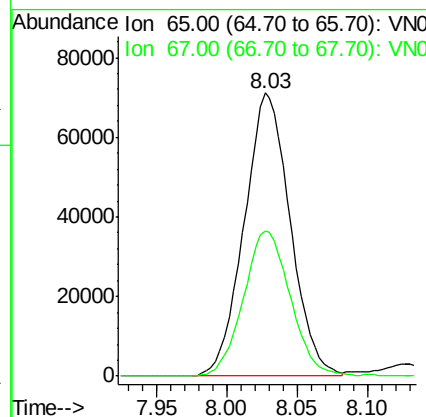
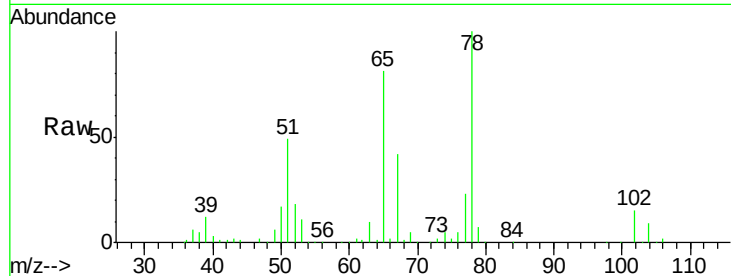
#27
 1,2-Dichloroethane-d4
 Concen: 31.076 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	41.9	62.9

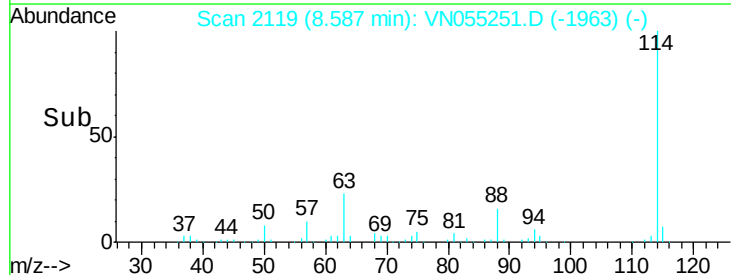
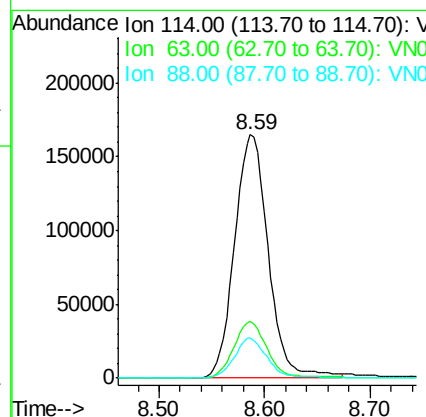
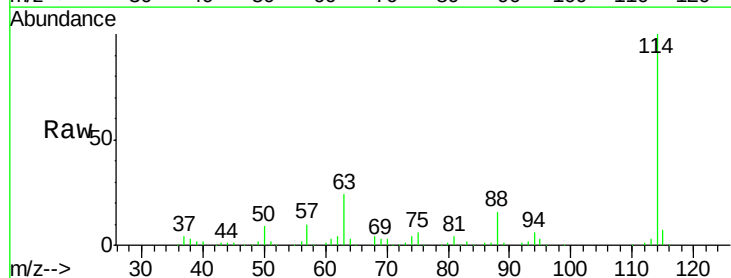
Manual Integrations
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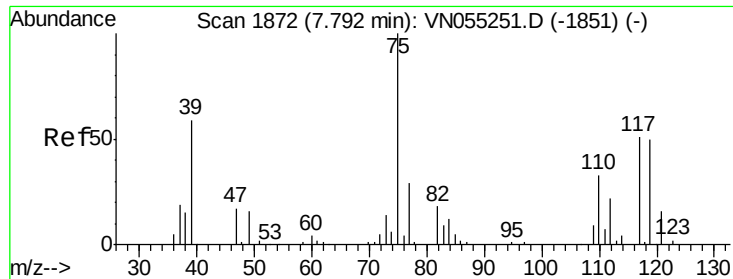
MMDadoda
 4/26/2019 10:52:41 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	18.2	27.2
88	15.7	12.6	18.8





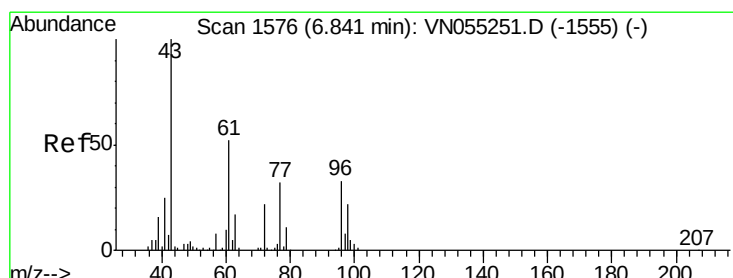
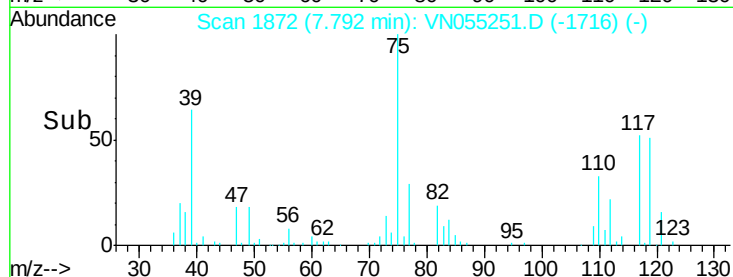
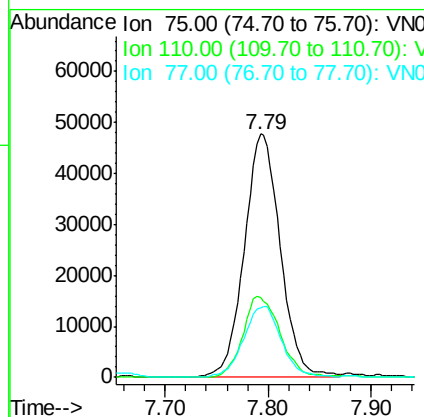
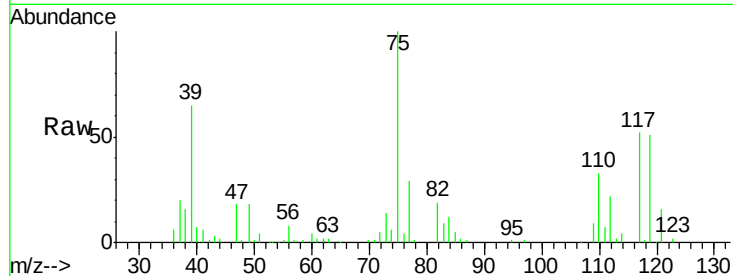
#29
 1,1-Dichloropropene
 Concen: 20.129 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.3	0.0	68.6	
77	30.8	0.0	61.6	

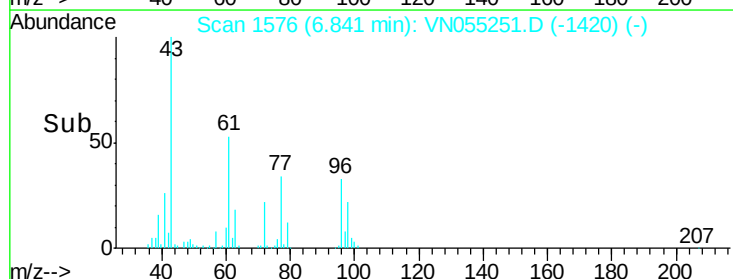
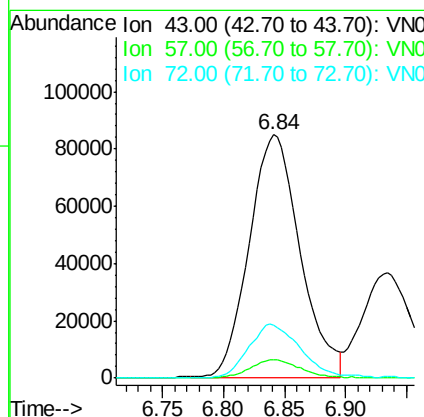
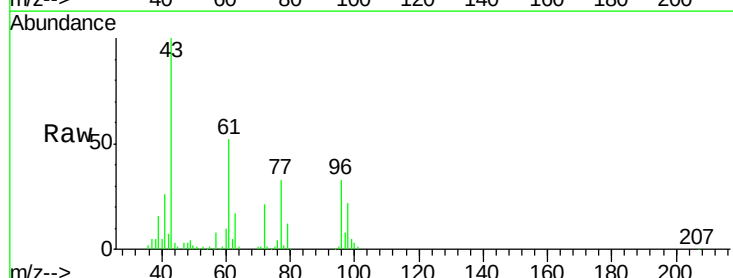
Manual Integrations
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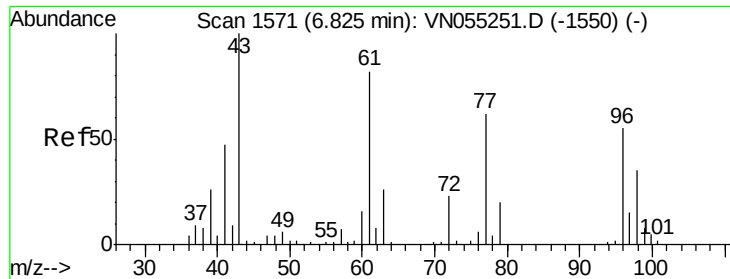
MMdadoda
 4/26/2019 10:52:41 AM



#30
 2-Butanone
 Concen: 122.302 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	7.5	6.0	9.0	
72	22.4	17.9	26.9	





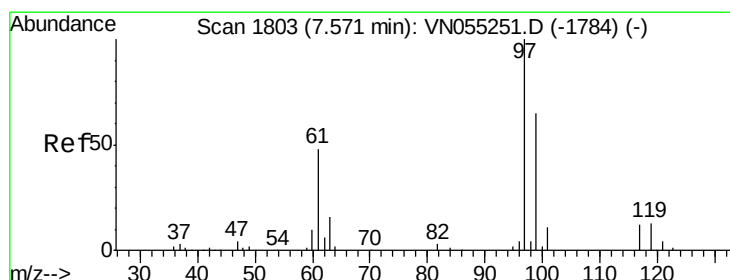
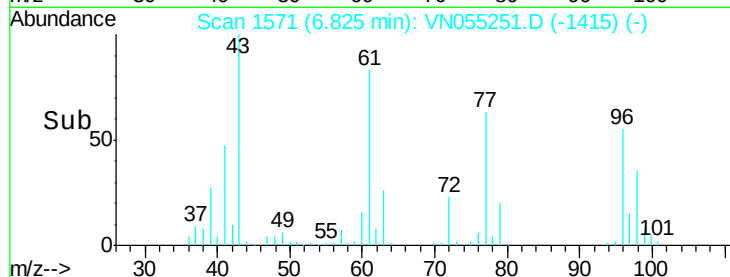
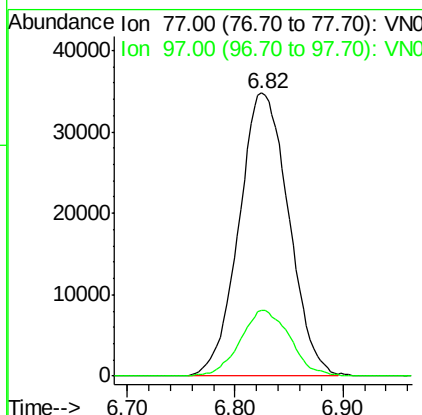
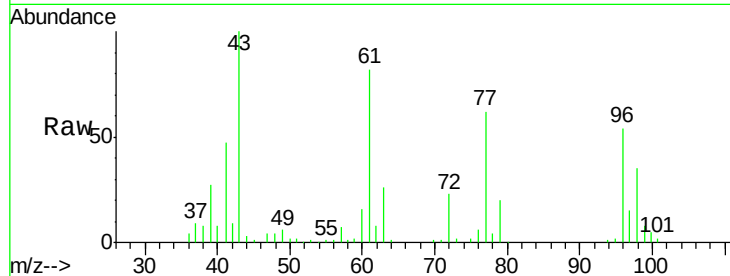
#31
 2,2-Dichloropropane
 Concen: 20.808 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 77 Resp: 111567
 Ion Ratio Lower Upper
 77 100
 97 23.3 18.6 28.0

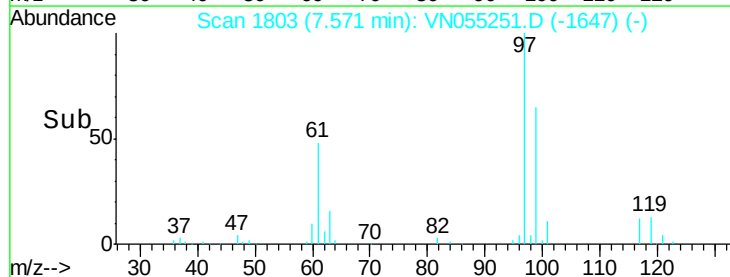
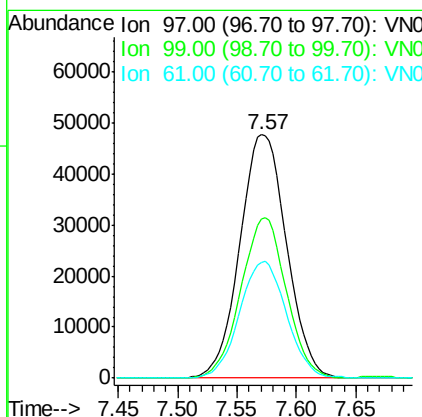
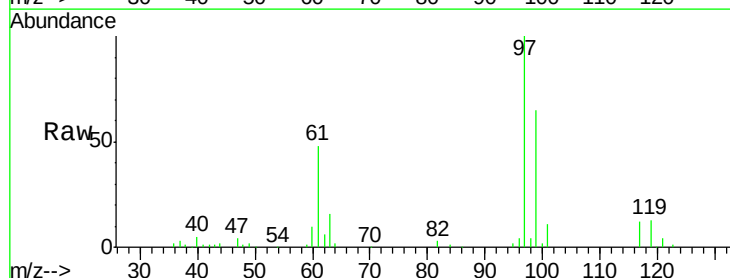
Manual Integrations
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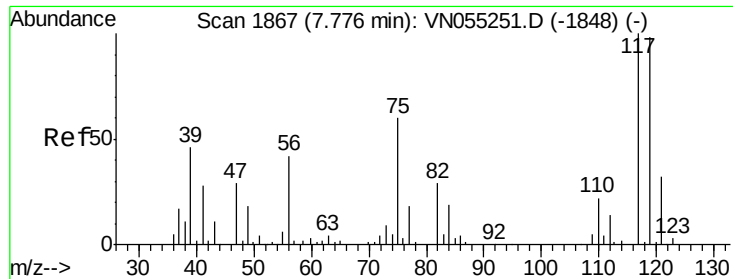
MMdadoda
 4/26/2019 10:52:41 AM



#32
 1,1,1-Trichloroethane
 Concen: 21.033 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion: 97 Resp: 129816
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.2 76.8
 61 47.9 38.3 57.5





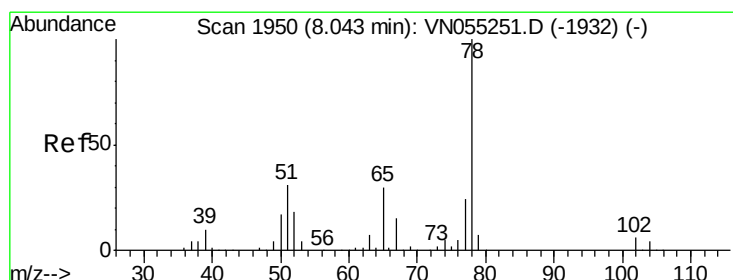
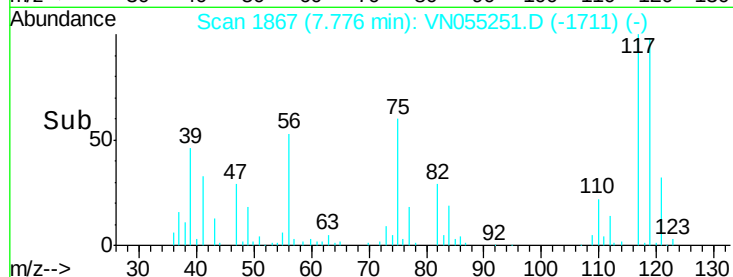
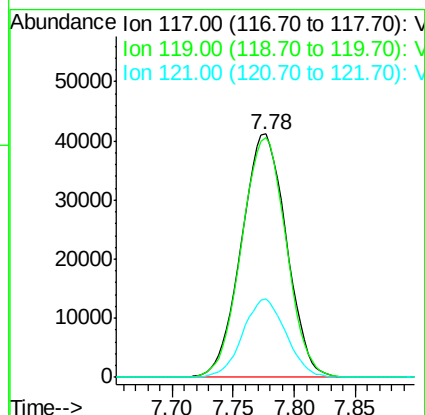
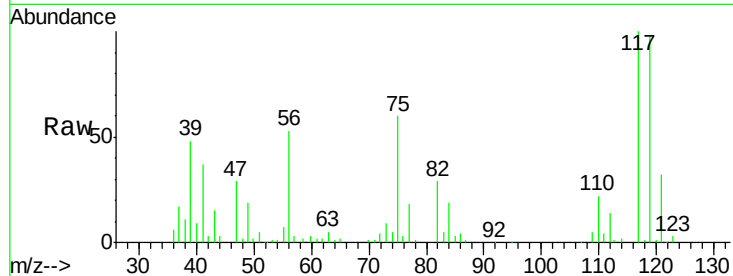
#33
Carbon Tetrachloride
Concen: 19.906 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.4	78.7	118.1
121	32.2	25.8	38.6

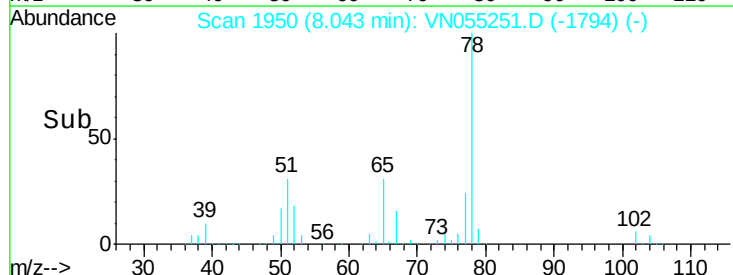
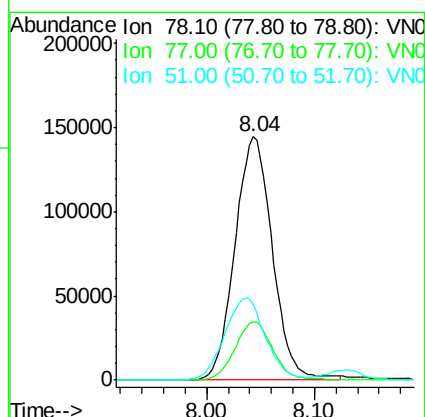
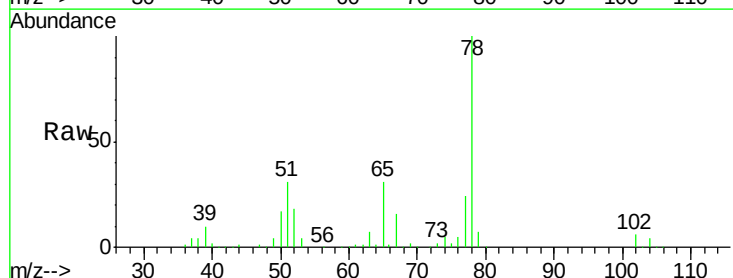
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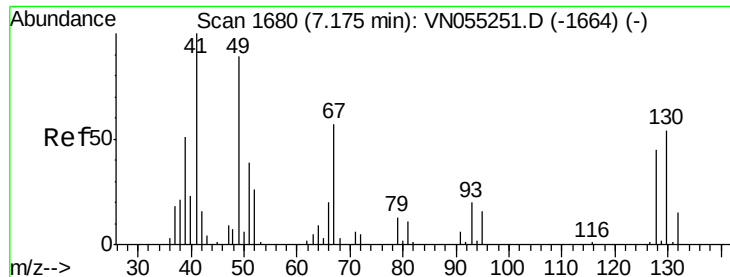
MMdadoda
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#34
Benzene
Concen: 20.430 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7
51	30.6	24.5	36.7





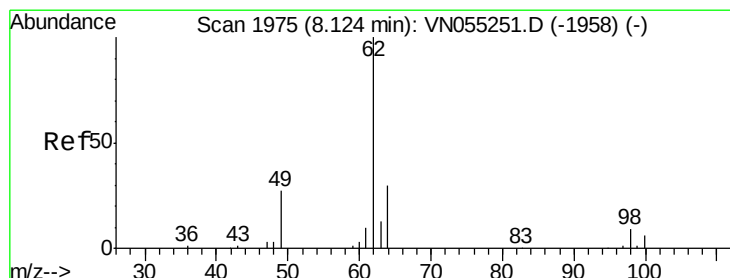
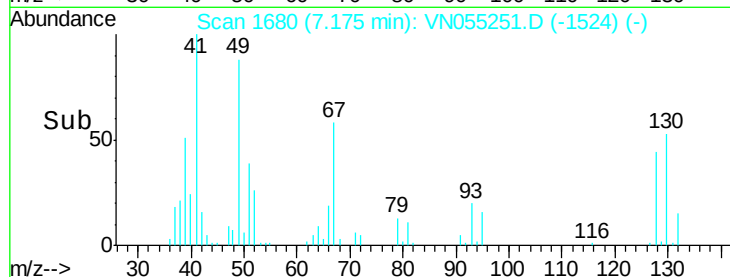
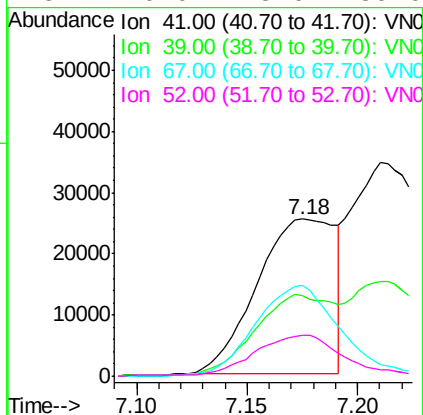
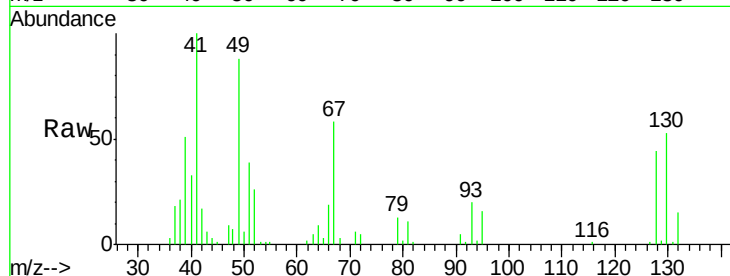
#35
Methacrylonitrile
Concen: 25.733 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	41	Resp	62100
Ion	Ratio	Lower	Upper
41	100		
39	50.5	25.3	75.8
67	57.4	28.7	86.1
52	26.0	13.0	39.0

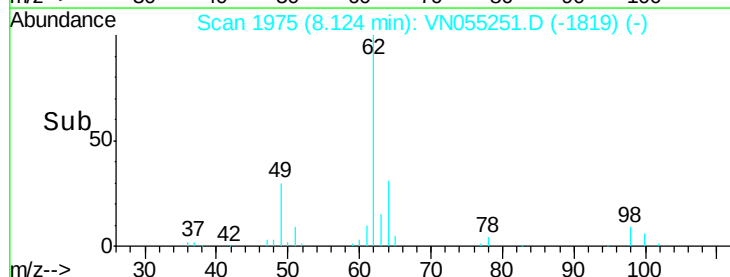
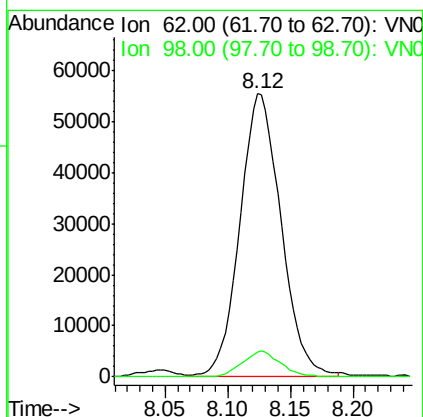
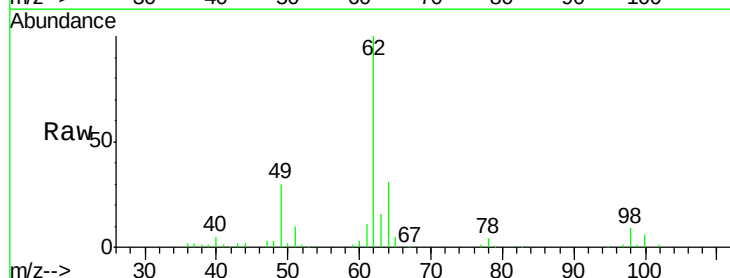
Manual Integrations
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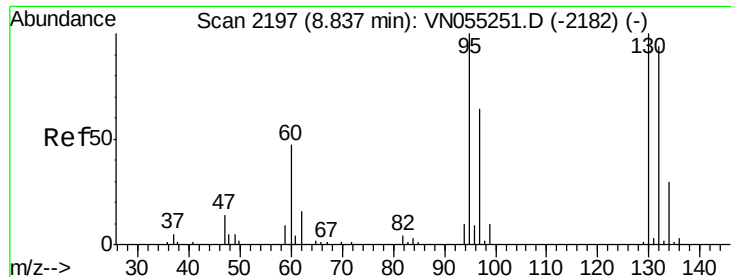
MMDadoda
4/26/2019 10:52:41 AM



#36
1,2-Dichloroethane
Concen: 21.363 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion	62	Resp	126332
Ion	Ratio	Lower	Upper
62	100		
98	8.5	6.8	10.2





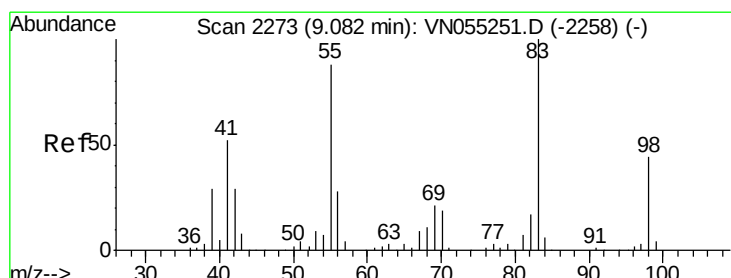
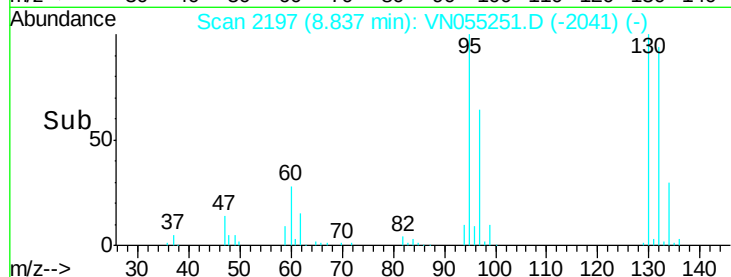
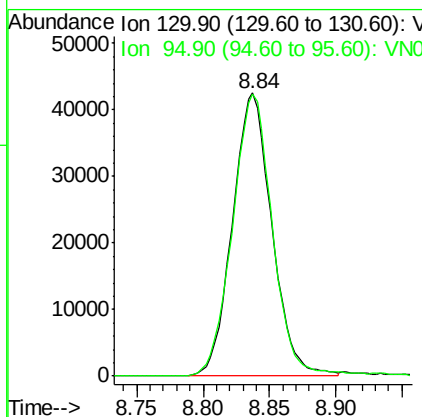
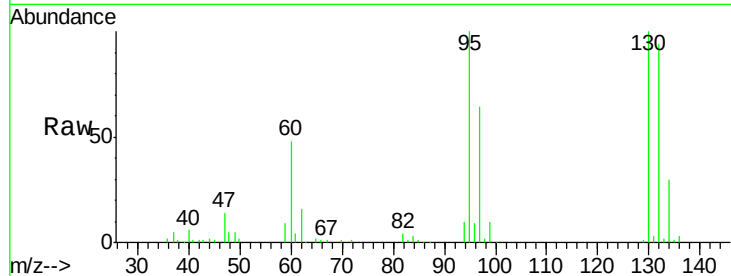
#37
 Trichloroethene
 Concen: 20.241 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 87919
 Ion Ratio Lower Upper
 130 100
 95 99.9 79.9 119.9

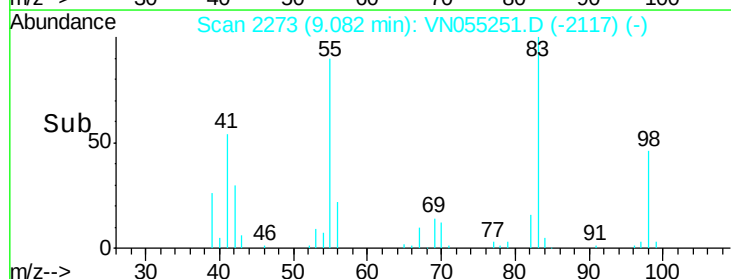
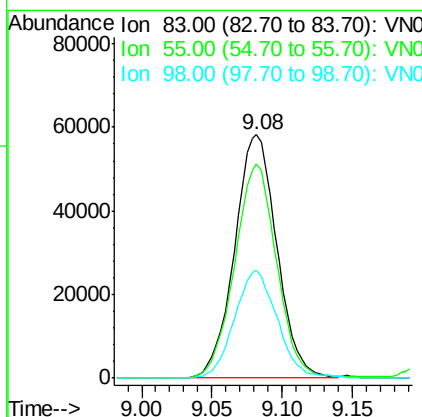
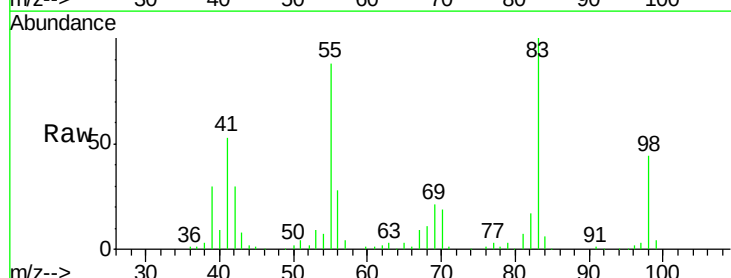
Manual Integrations
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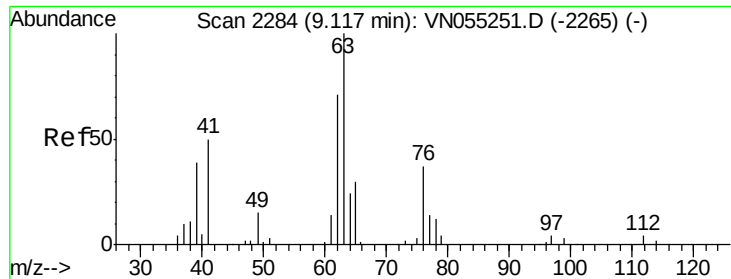
MMdadoda
 4/26/2019 10:52:41 AM



#38
 Methylcyclohexane
 Concen: 18.640 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion: 83 Resp: 122104
 Ion Ratio Lower Upper
 83 100
 55 87.6 43.8 131.4
 98 44.8 22.4 67.2





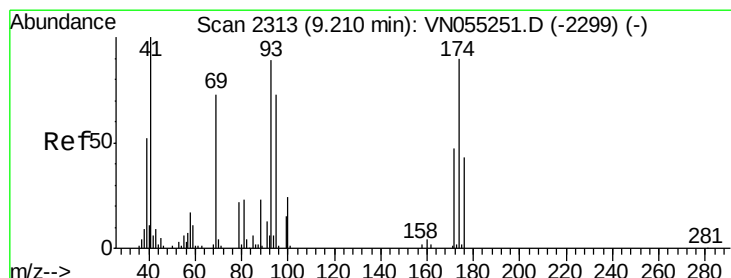
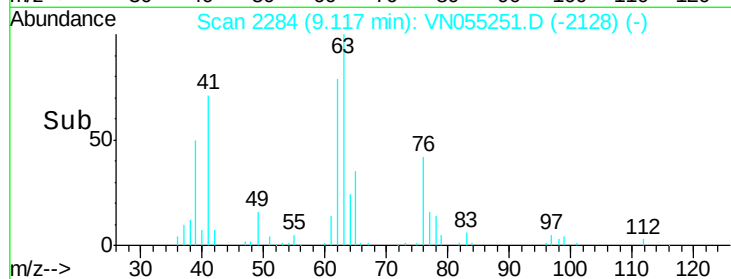
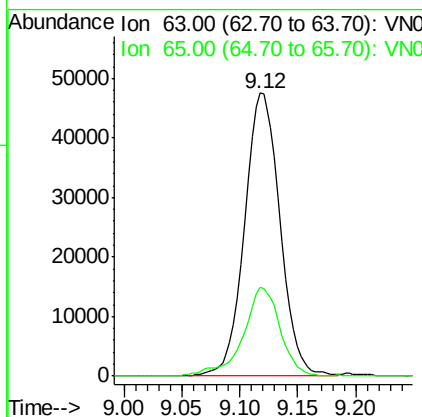
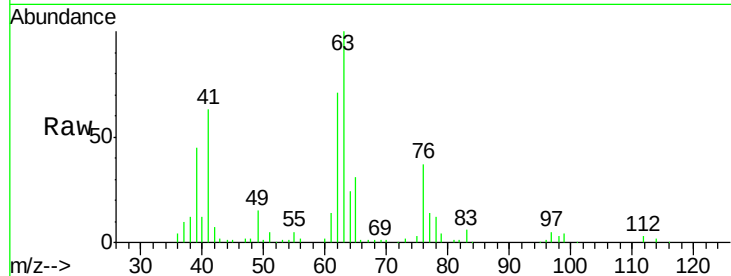
#39
 1,2-Dichloropropane
 Concen: 21.244 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	63	Resp	101594
Ion Ratio	Lower	Upper	
63	100		
65	30.7	24.6	36.8

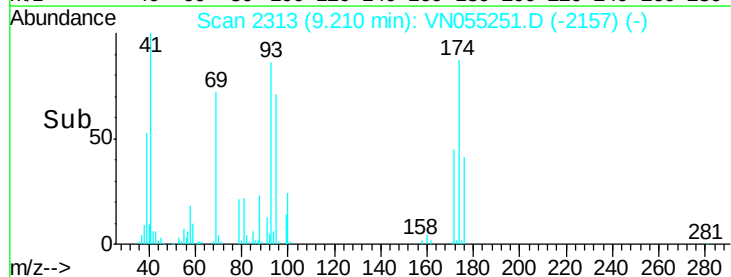
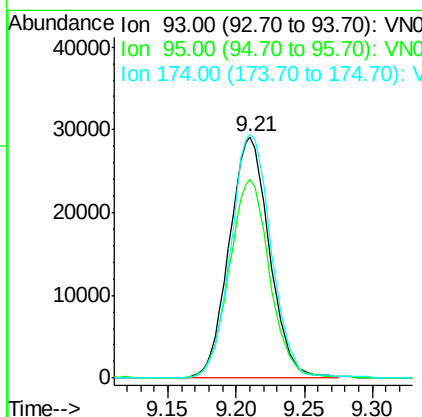
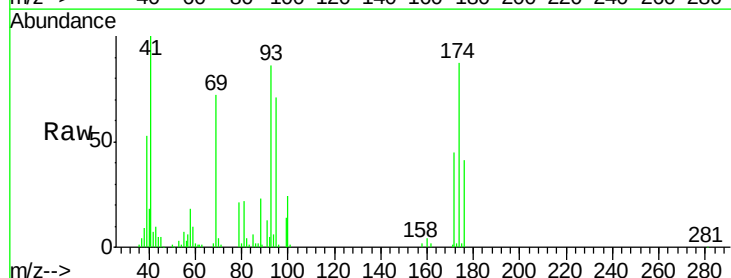
Manual Integrations
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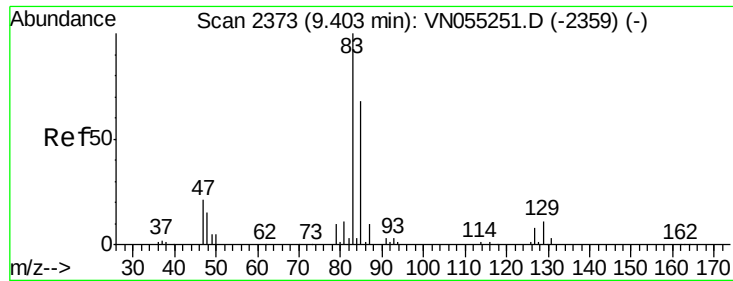
MMdadoda
 4/26/2019 10:52:41 AM



#40
 Dibromomethane
 Concen: 21.941 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion	93	Resp	59644
Ion Ratio	Lower	Upper	
93	100		
95	82.4	0.0	164.8
174	101.7	0.0	203.4





#41

Bromodichloromethane

Concen: 20.713 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

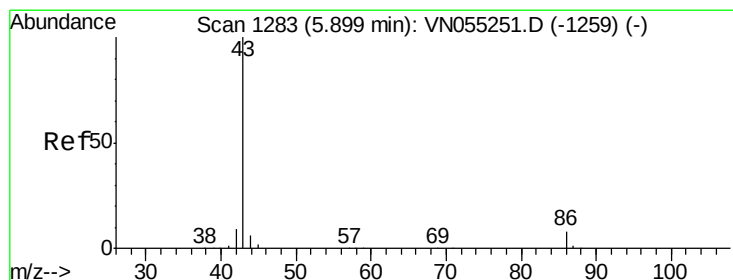
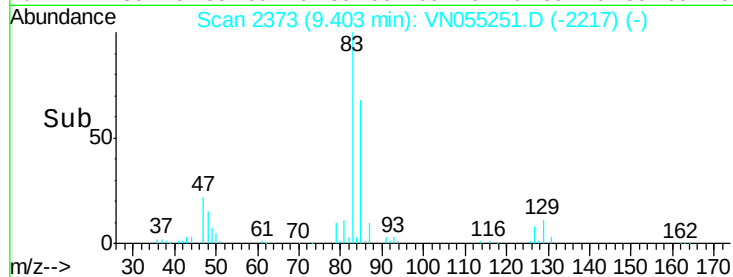
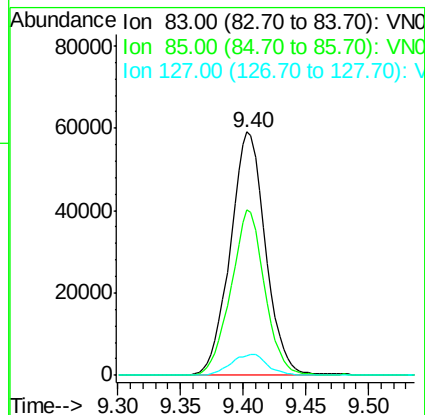
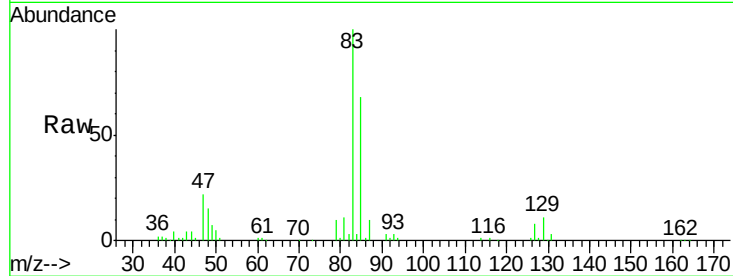
ClientSampleId :

VSTDICCC020

Tot Ion:	83	Resp:	115469
Ion Ratio	Lower	Upper	
83	100		
85	68.1	54.5	81.7
127	8.0	6.4	9.6

Manual Integrations
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MMdadoda
4/26/2019 10:52:41 AM



#42

Vinyl Acetate

Concen: 110.726 ug/l

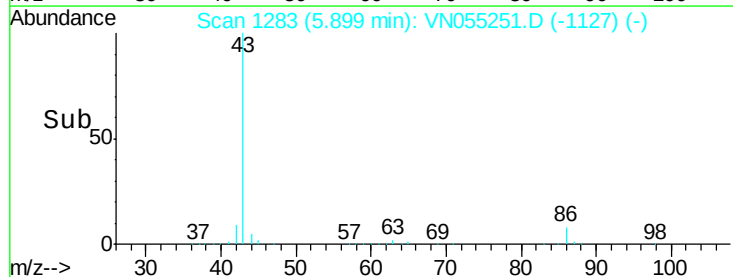
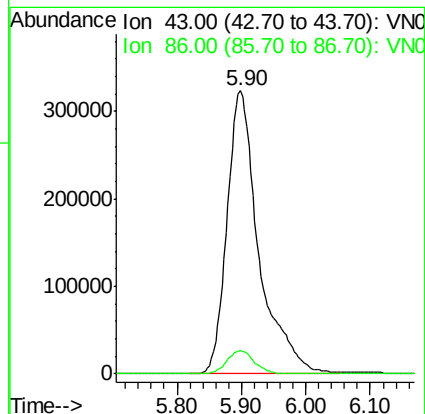
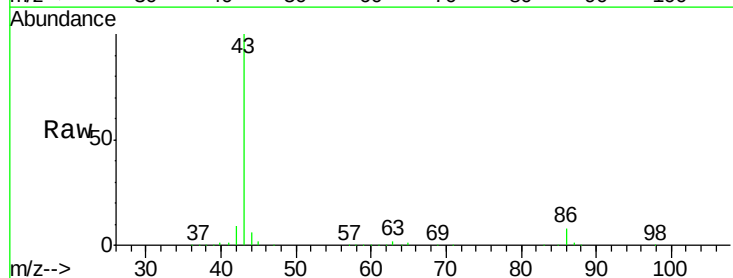
RT: 5.90 min Scan# 1283

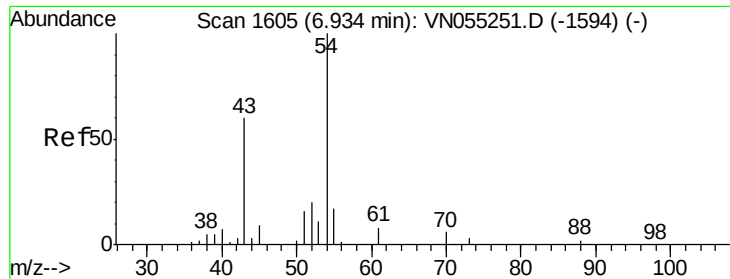
Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Tgt Ion:	43	Resp:	1111166
Ion Ratio	Lower	Upper	
43	100		
86	7.1	5.7	8.5





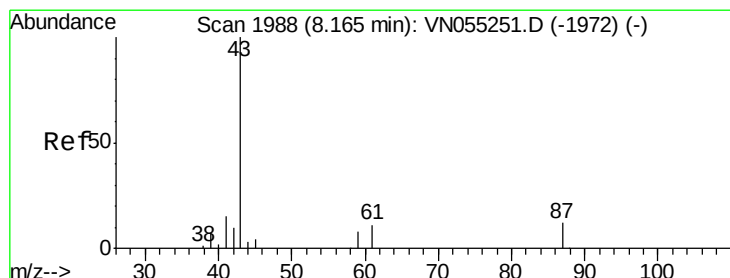
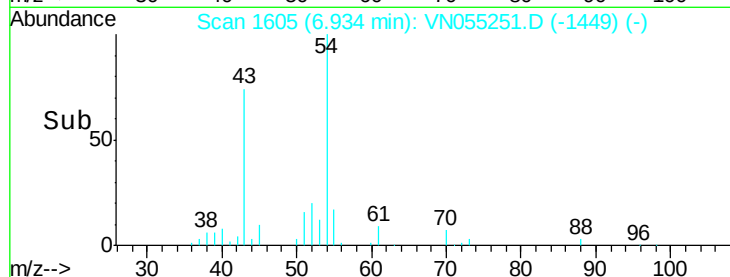
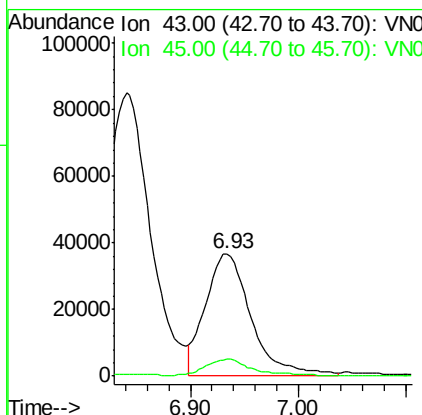
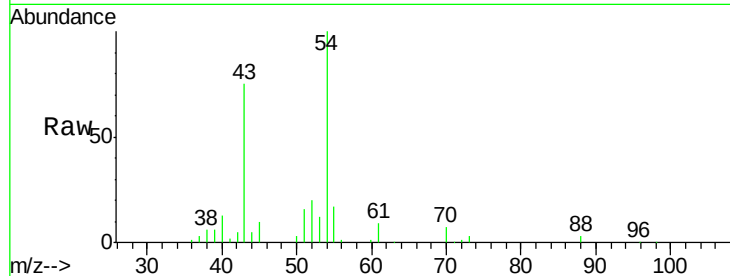
#43
Ethyl Acetate
Concen: 25.380 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	43	45	Ratio	Lower	Upper
106417	100	12.0		9.6	14.4

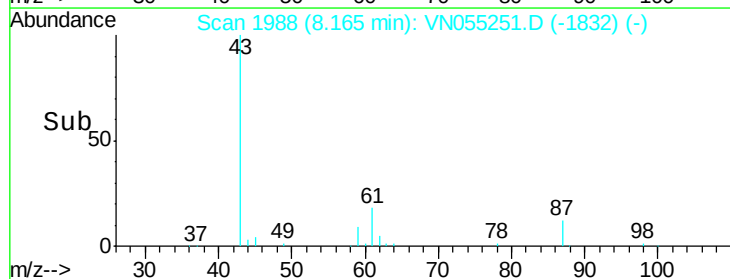
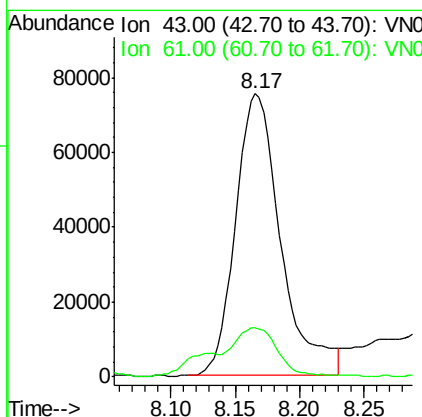
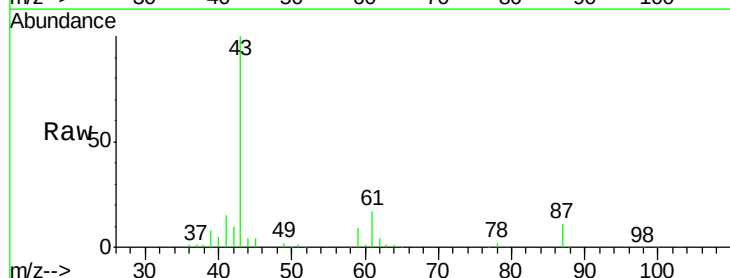
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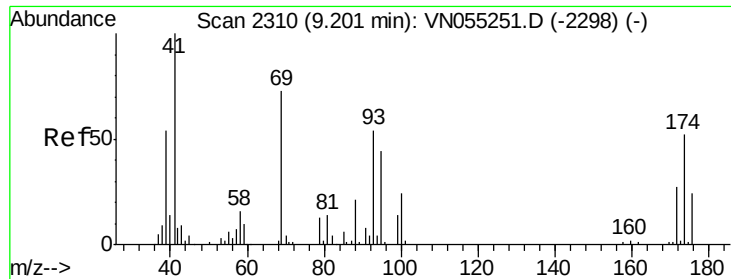
MMDadoda
4/26/2019 10:52:41 AM



#44
Isopropyl Acetate
Concen: 25.611 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion	43	61	Ratio	Lower	Upper
184682	100	15.7		12.6	18.8





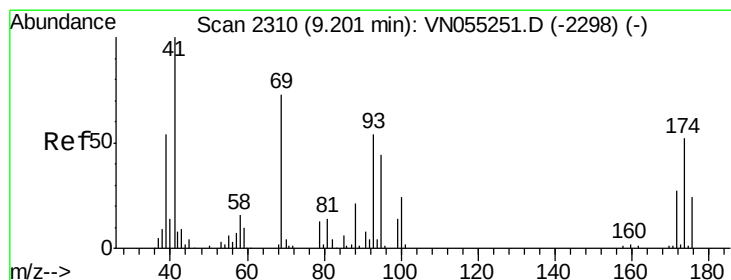
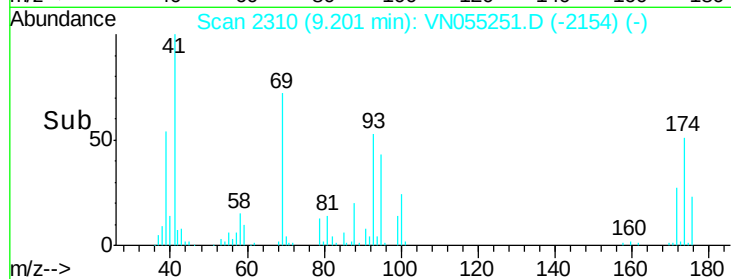
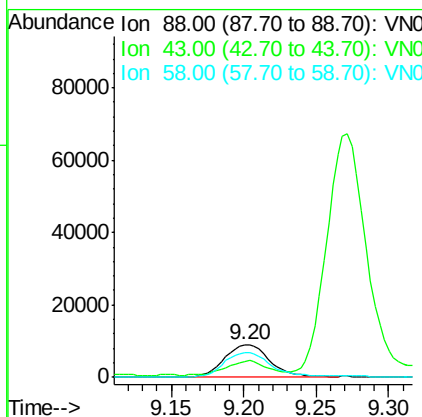
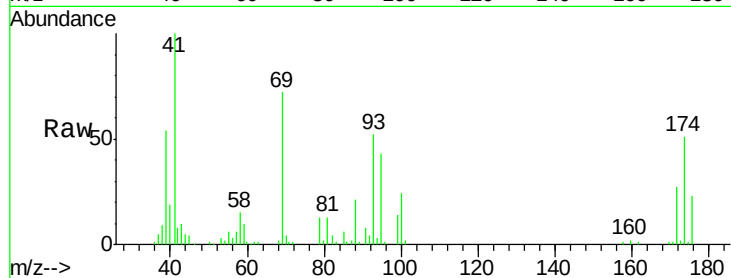
#45
 1,4-Dioxane
 Concen: 510.811 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion: 88 Resp: 19903
 Ion Ratio Lower Upper
 88 100
 43 36.7 29.4 44.0
 58 78.0 62.4 93.6

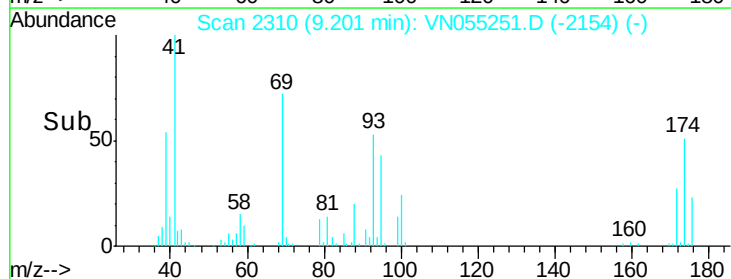
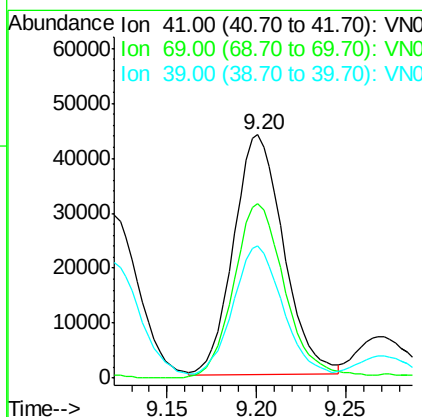
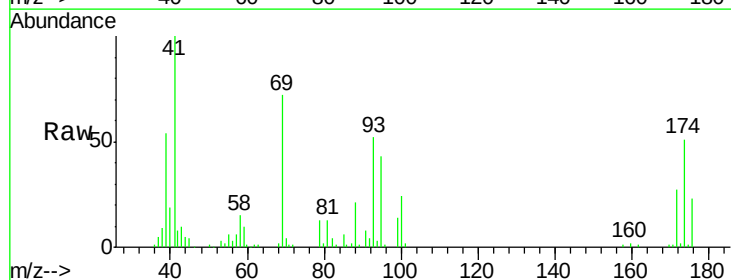
Manual Integrations
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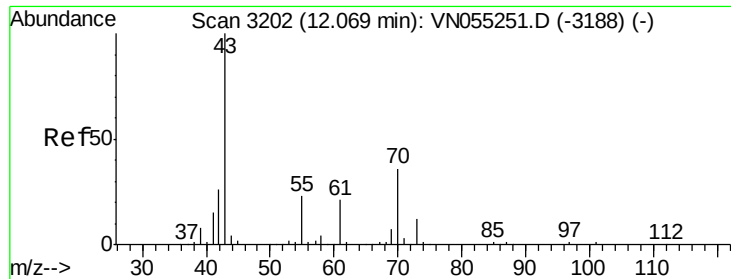
MMdadoda
 4/26/2019 10:52:41 AM



#46
 Methyl methacrylate
 Concen: 23.589 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion: 41 Resp: 85937
 Ion Ratio Lower Upper
 41 100
 69 72.9 36.4 109.3
 39 53.8 26.9 80.7





#47

n-amvl Acetate

Concen: 23.195 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 43 Resp: 119879

Ion Ratio Lower Upper

43 100

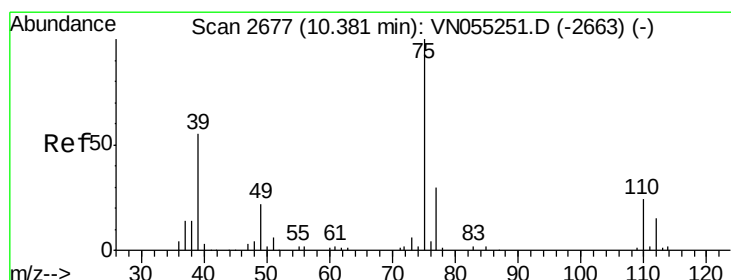
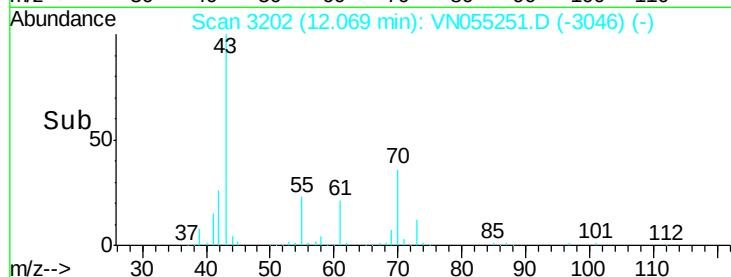
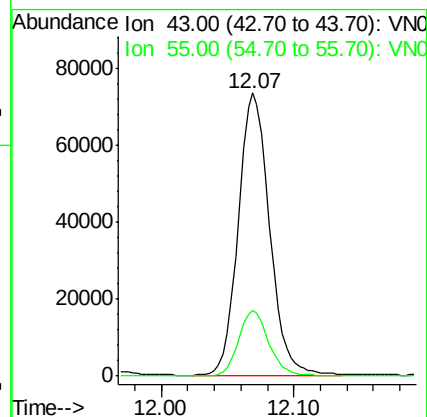
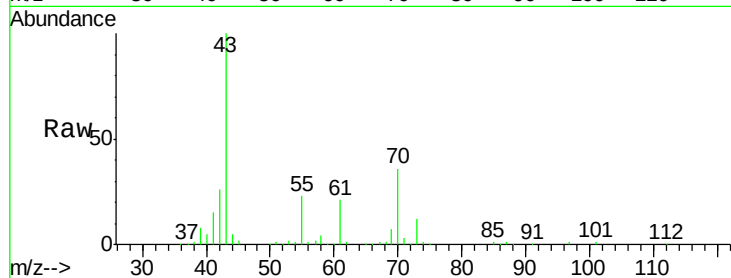
55 22.6 18.1 27.1

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 20.936 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055251.D

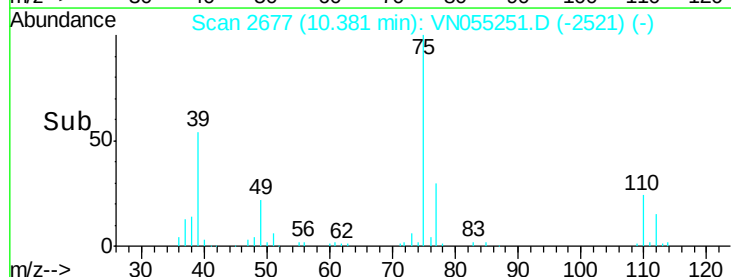
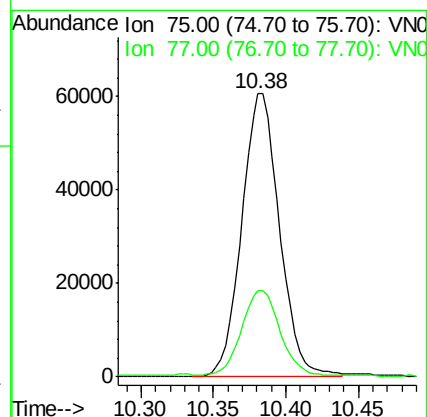
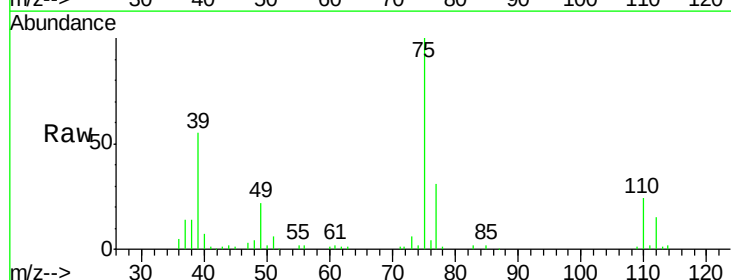
Acq: 25 Apr 2019 18:24

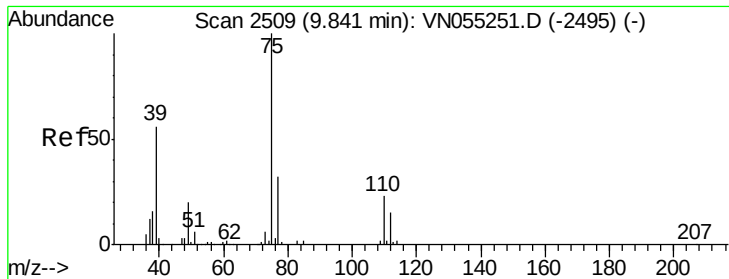
Tgt Ion: 75 Resp: 109703

Ion Ratio Lower Upper

75 100

77 29.9 23.9 35.9





#49

cis-1,3-Dichloropropene

Concen: 20.531 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

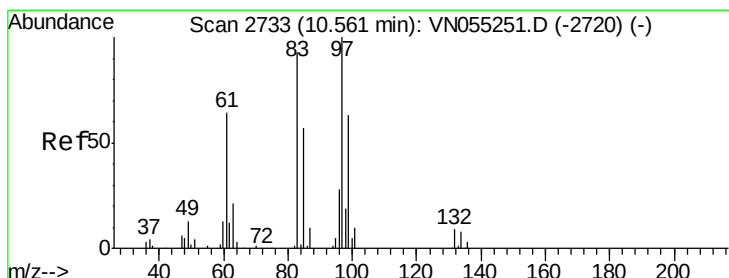
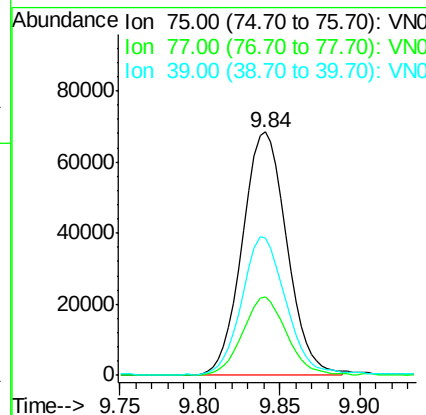
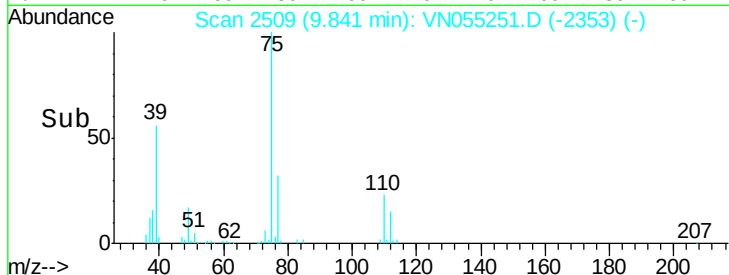
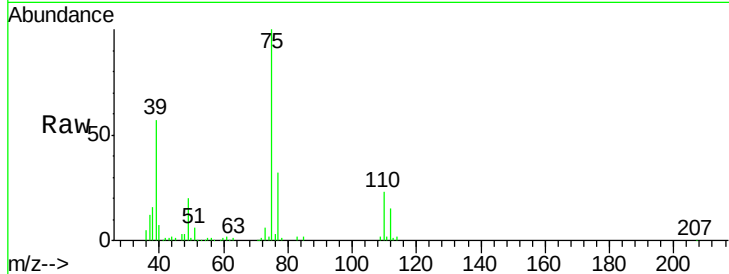
ClientSampleId :

VSTDICCC020

Tot Ion:	75	Resp:	130404
Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.9	38.9
39	56.3	45.0	67.6

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#50

1,1,2-Trichloroethane

Concen: 21.758 ug/l

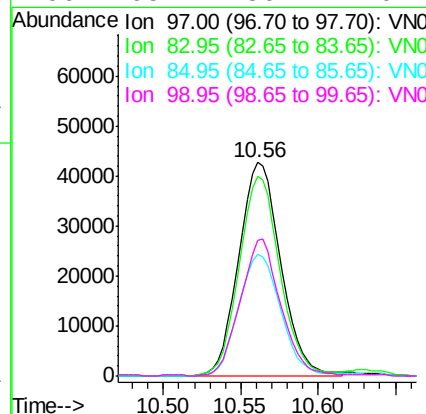
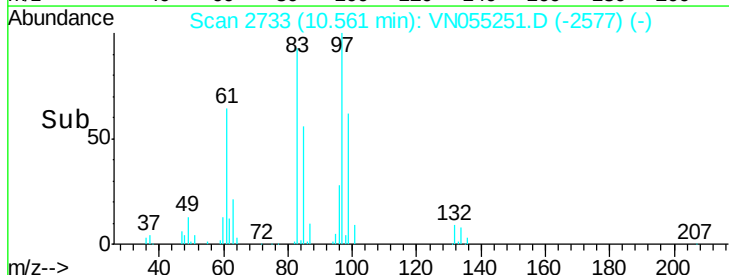
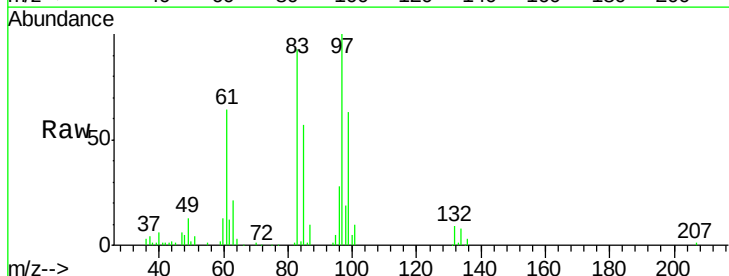
RT: 10.56 min Scan# 2733

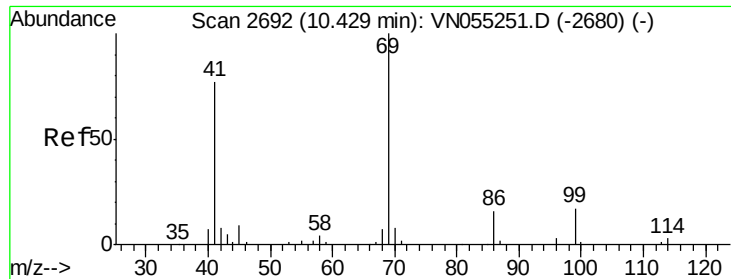
Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Tgt Ion:	97	Resp:	80547
Ion	Ratio	Lower	Upper
97	100		
83	93.2	74.6	111.8
85	56.8	45.4	68.2
99	63.4	50.7	76.1





#51

Ethyl methacrylate

Concen: 22.229 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

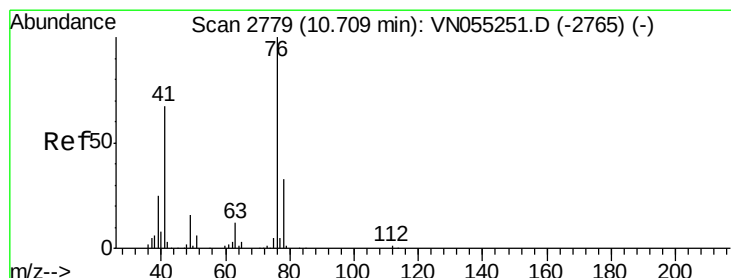
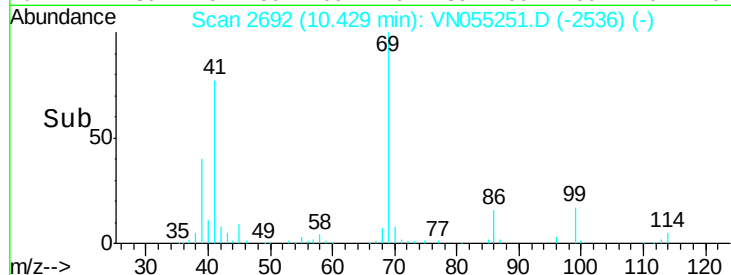
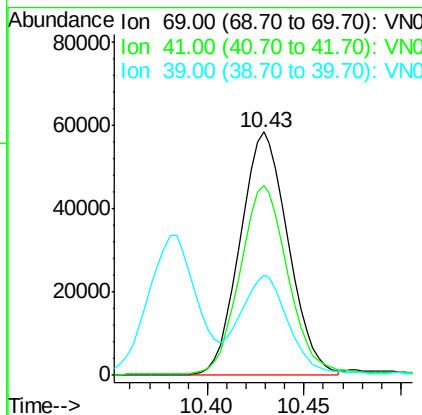
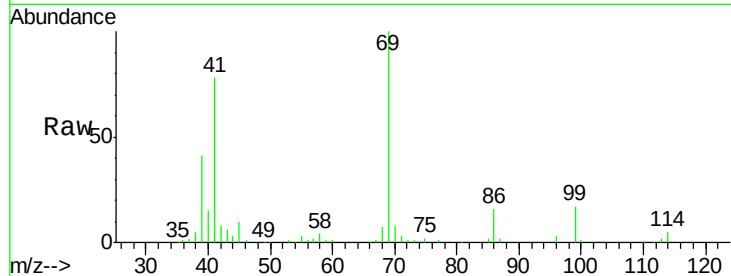
ClientSampleId :

VSTDICCC020

Tot Ion:	69	Resp:	100850
Ion	Ratio	Lower	Upper
69	100		
41	77.4	38.7	116.1
39	39.7	19.9	59.6

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#52

1,3-Dichloropropane

Concen: 21.592 ug/l

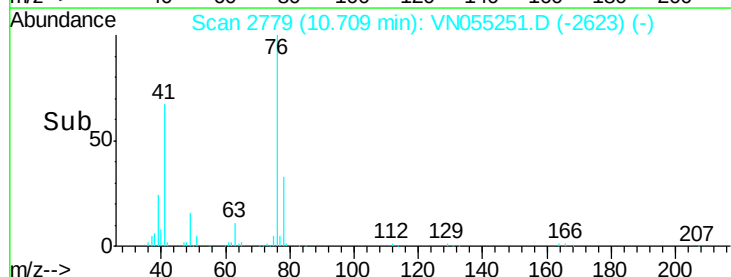
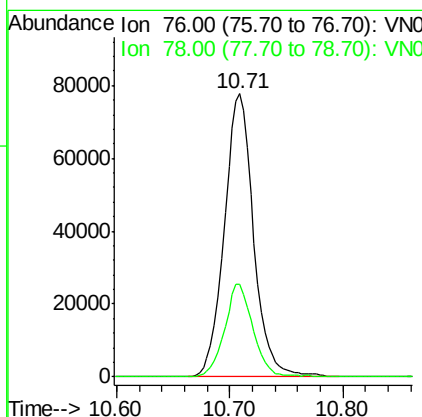
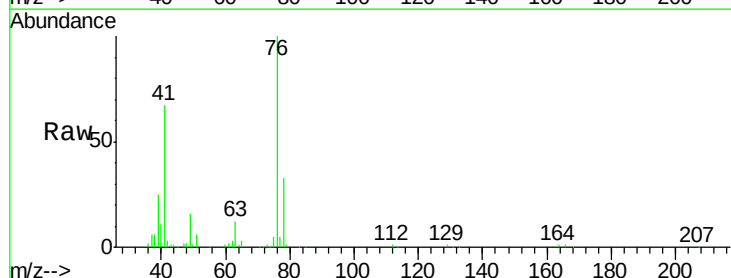
RT: 10.71 min Scan# 2779

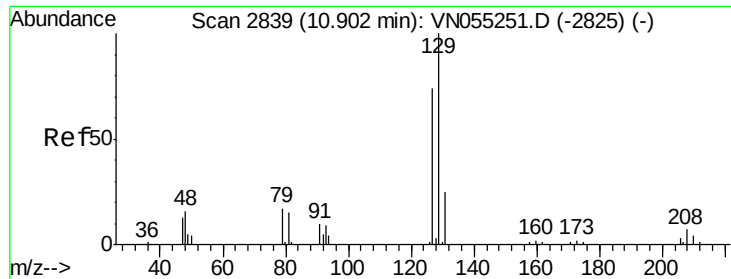
Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Tgt Ion:	76	Resp:	139725
Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.0	63.0





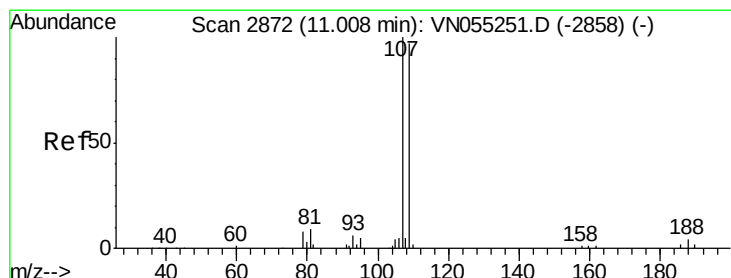
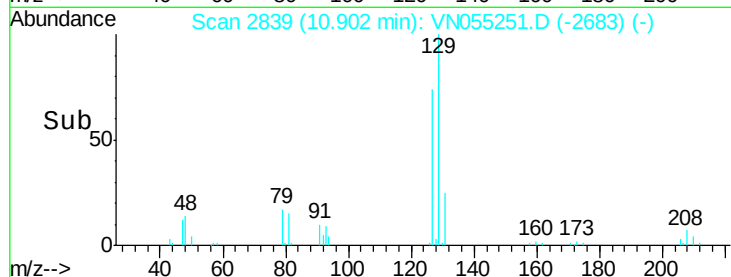
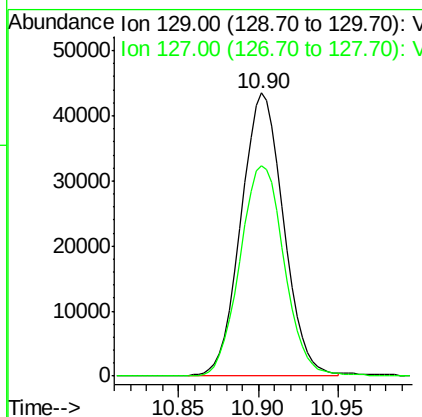
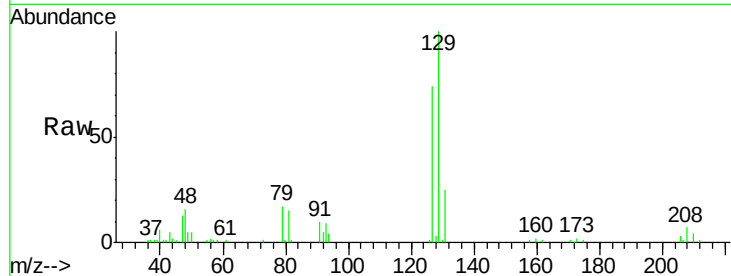
#53
 Dibromochloromethane
 Concen: 20.801 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:129 Resp: 79308
 Ion Ratio Lower Upper
 129 100
 127 77.5 38.8 116.3

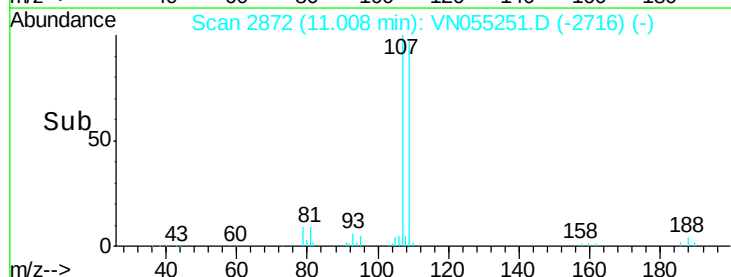
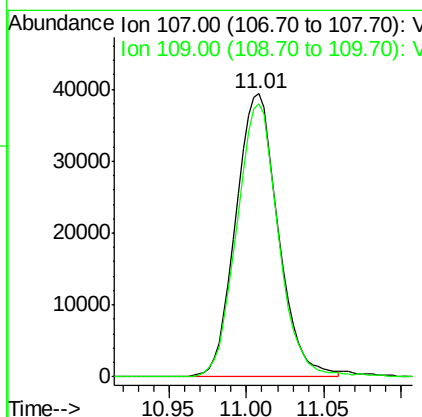
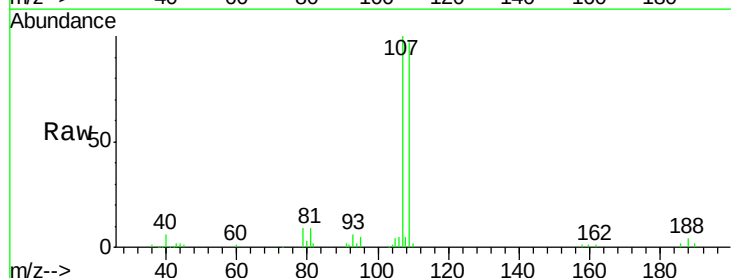
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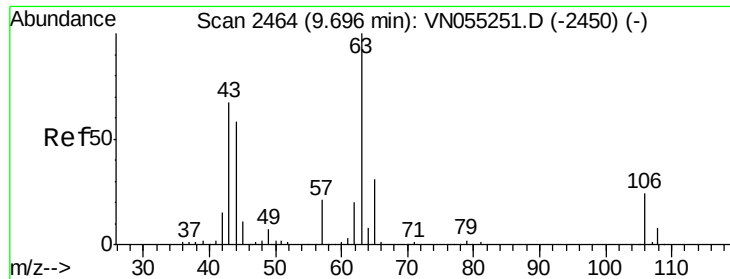
MMdadoda
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#54
 1,2-Dibromoethane
 Concen: 21.390 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion:107 Resp: 74921
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.2 112.8





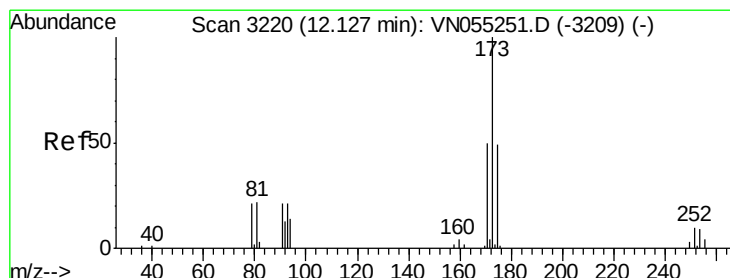
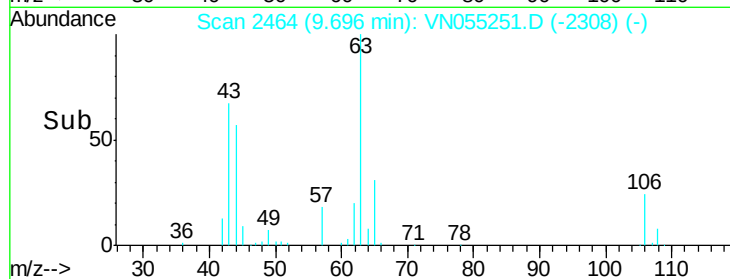
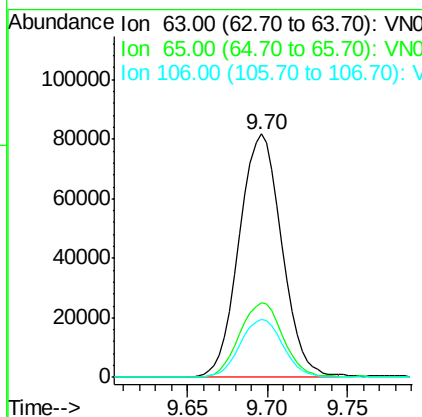
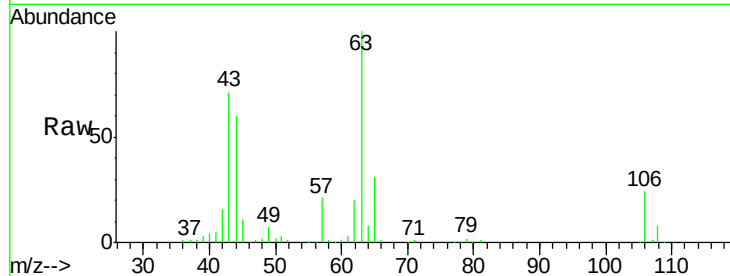
#55
 2-Chloroethyl vinyl ether
 Concen: 85.149 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.1	37.7
106	24.2	19.4	29.0

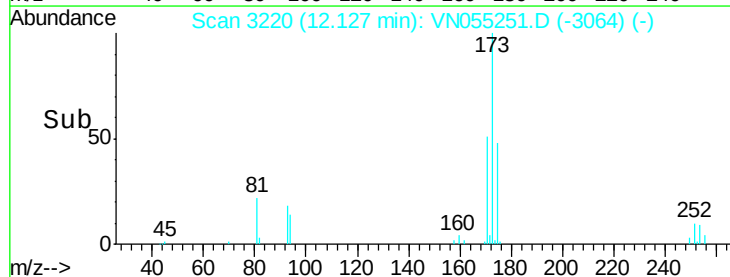
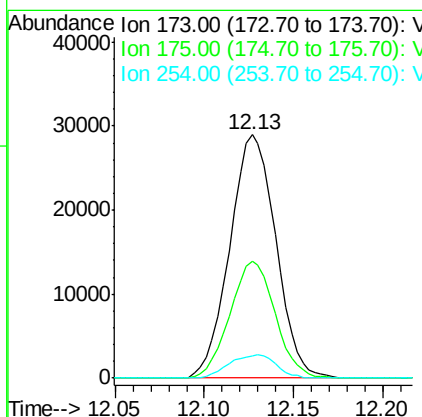
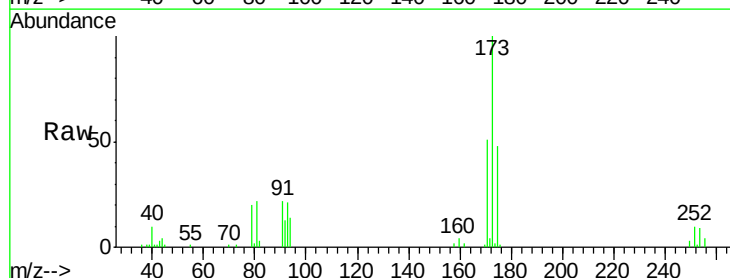
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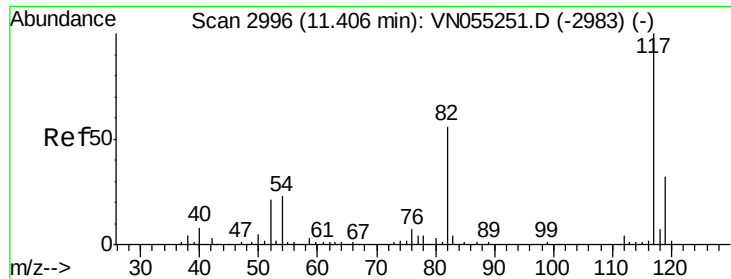
MMDadoda
 4/26/2019 10:52:41 AM



#56
 Bromoform
 Concen: 21.272 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.1	37.7	56.5
254	9.7	7.8	11.6





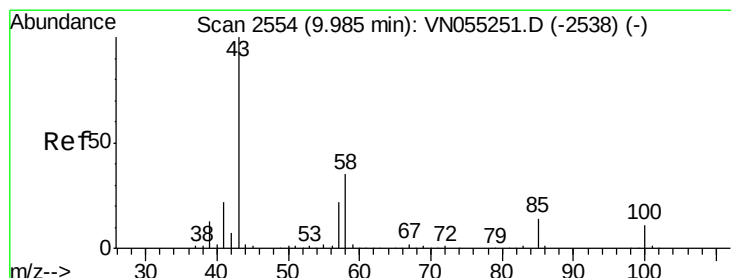
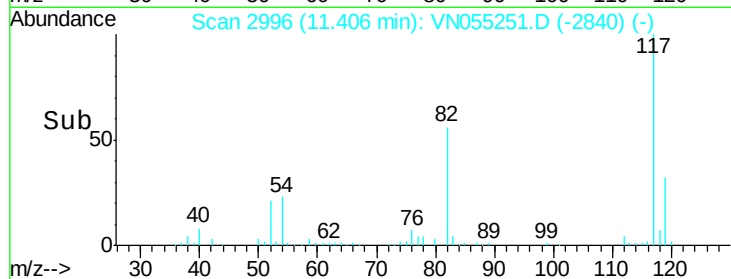
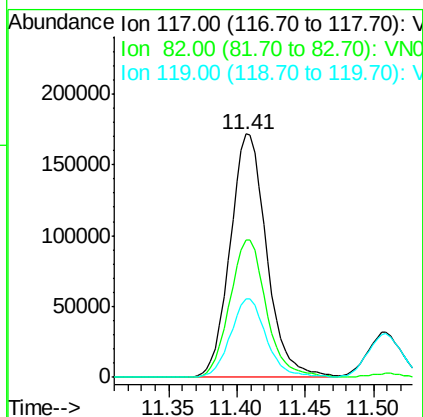
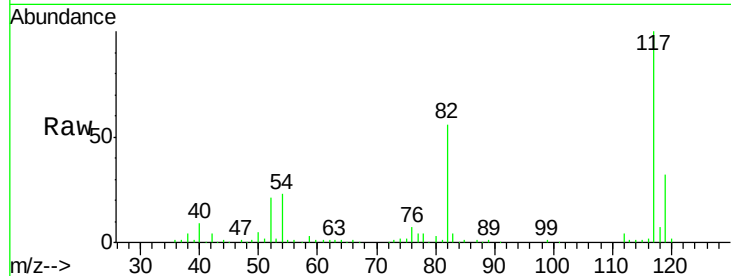
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.3	67.9
119	31.7	25.4	38.0

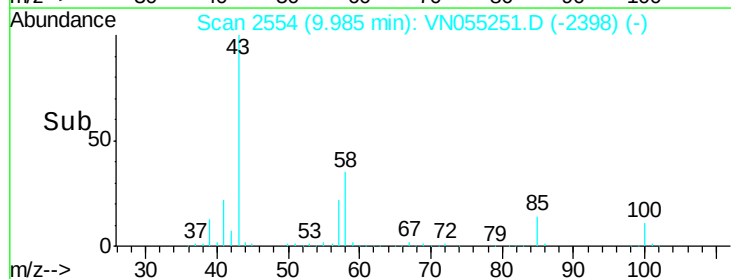
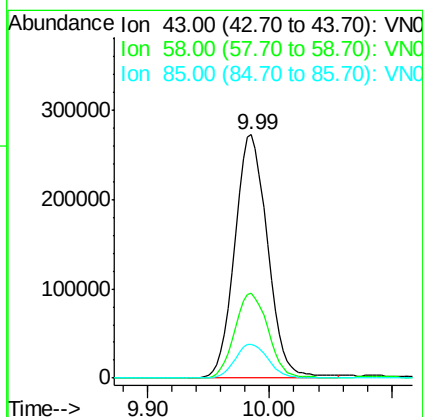
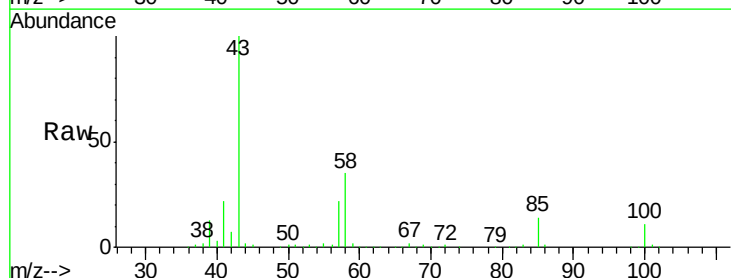
Manual Integrations
APPROVED

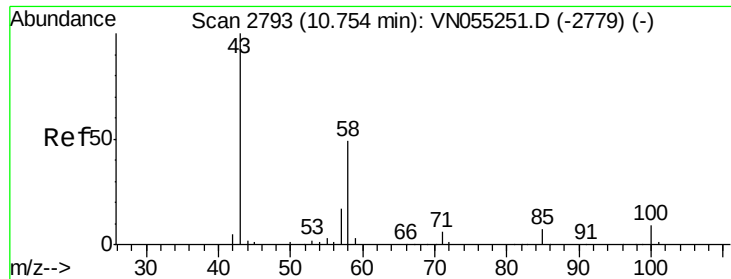
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#58
4-Methyl-2-Pentanone
Concen: 126.378 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.8	28.6	43.0
85	14.3	11.4	17.2





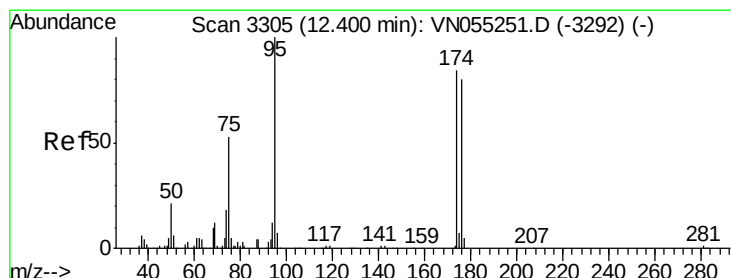
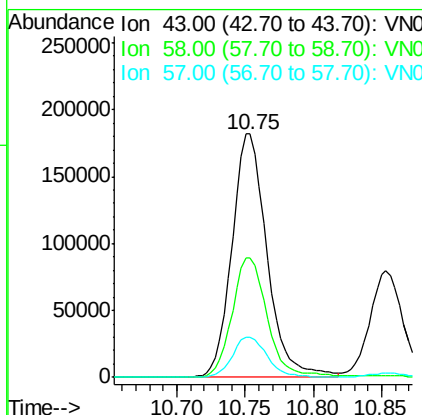
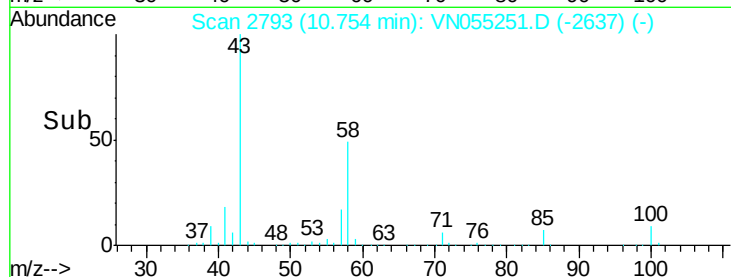
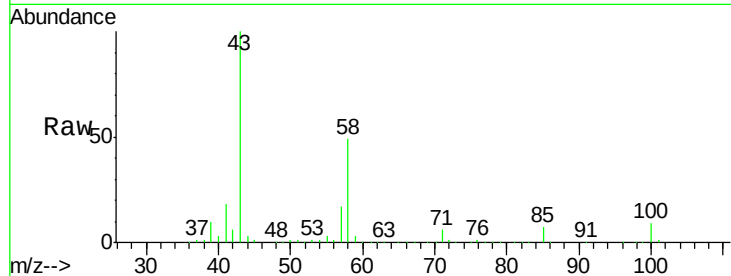
#59
2-Hexanone
Concen: 127.910 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.8	39.0	58.6
57	16.8	13.4	20.2

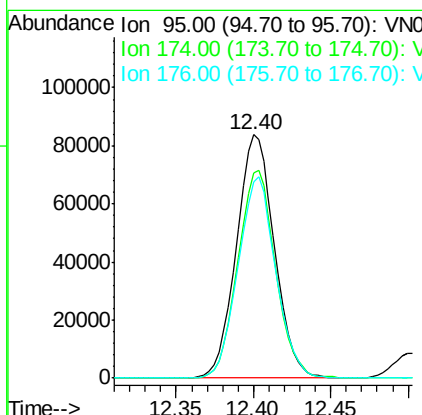
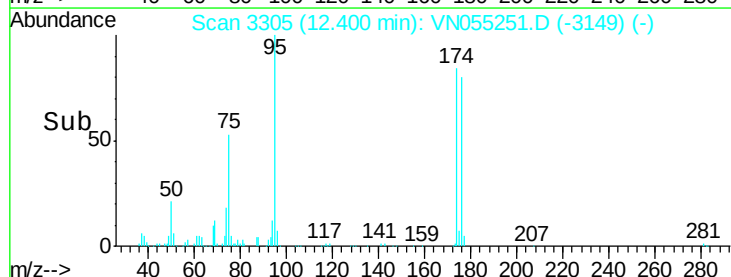
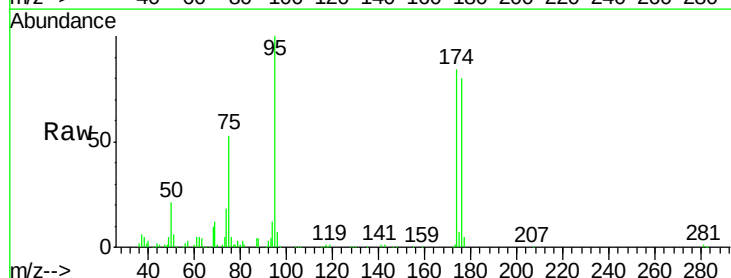
Manual Integrations
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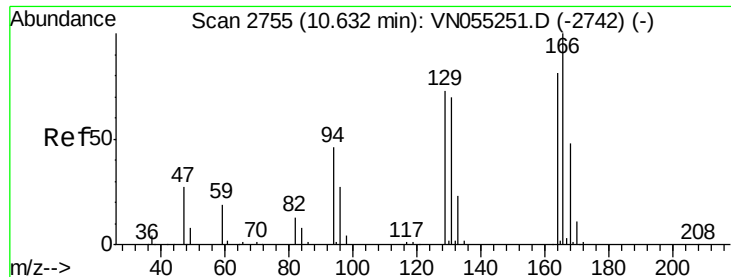
MMdadoda
4/26/2019 10:52:41 AM



#60
4-Bromofluorobenzene
Concen: 28.806 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.1	68.1	102.1
176	82.2	65.8	98.6





#61

Tetrachloroethene

Concen: 21.004 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 87997

Ion Ratio Lower Upper

164 100

166 123.2 98.6 147.8

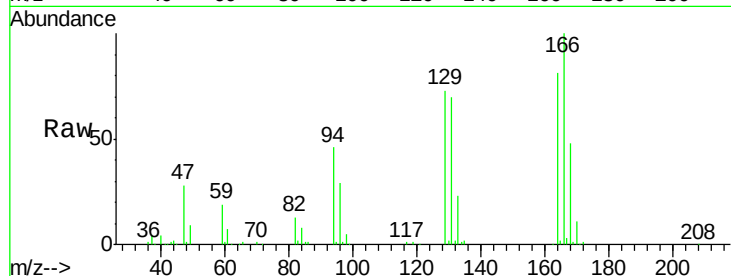
129 90.5 72.4 108.6

131 86.5 69.2 103.8

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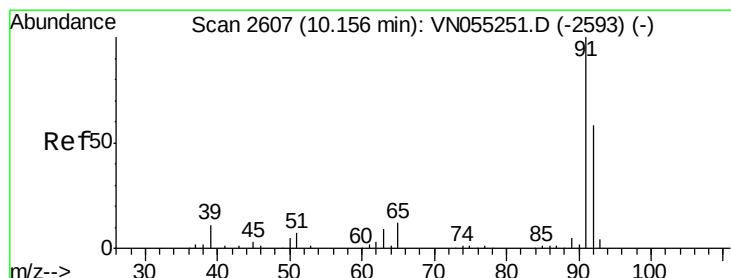
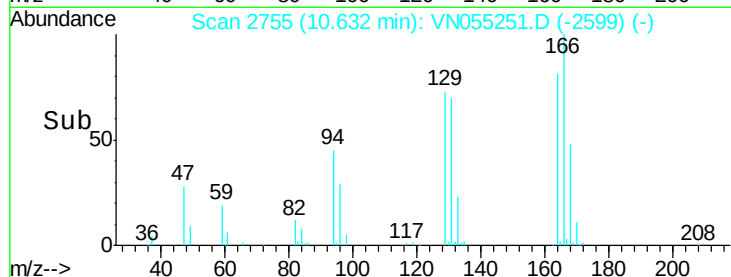
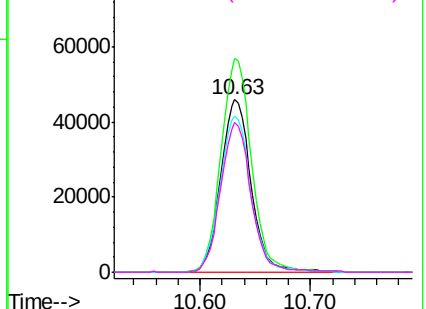


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.549 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055251.D

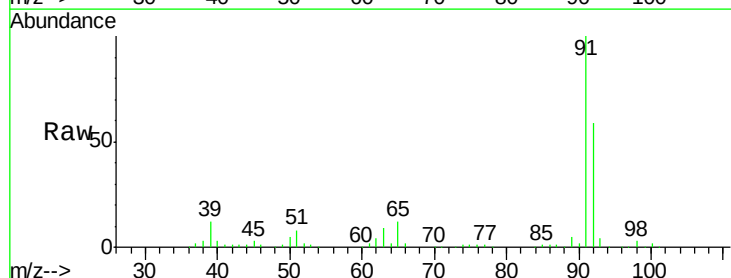
Acq: 25 Apr 2019 18:24

Tgt Ion: 91 Resp: 365280

Ion Ratio Lower Upper

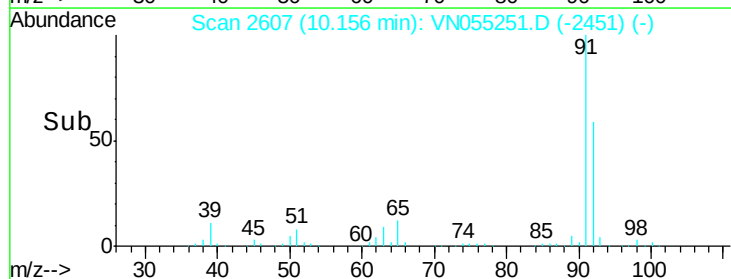
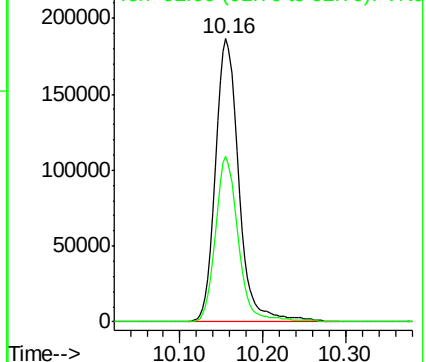
91 100

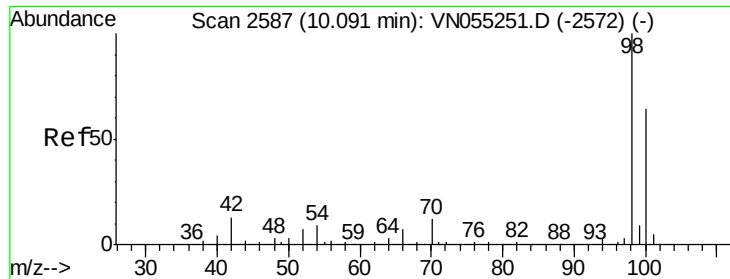
92 55.4 44.3 66.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





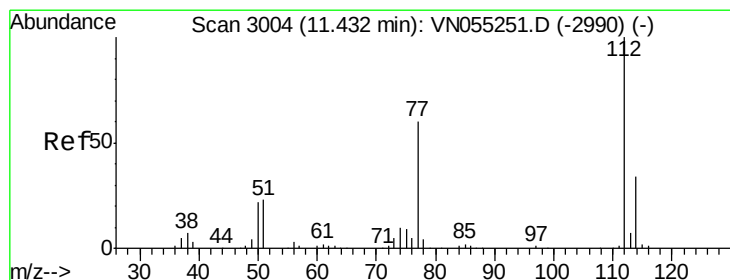
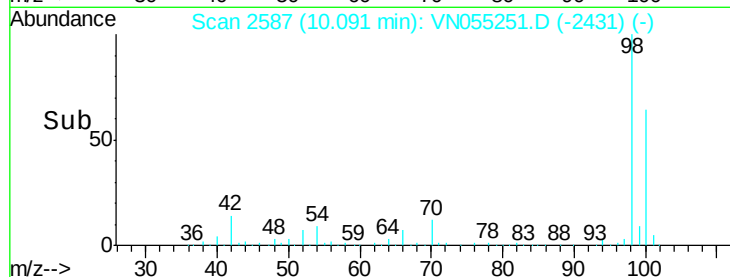
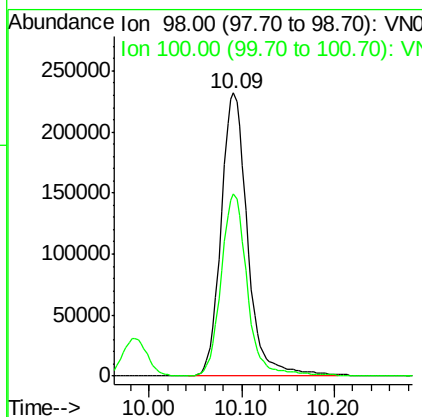
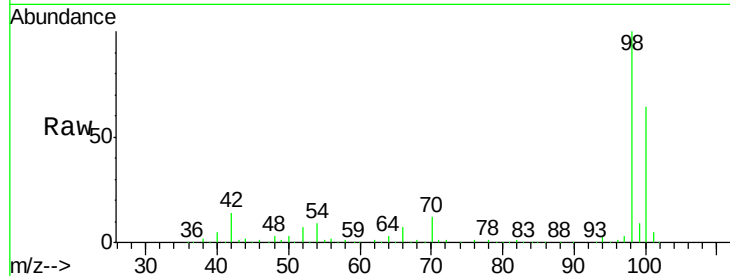
#63
Toluene-d8
Concen: 30.326 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tot Ion: 98 Resp: 459886
Ion Ratio Lower Upper
98 100
100 62.5 50.0 75.0

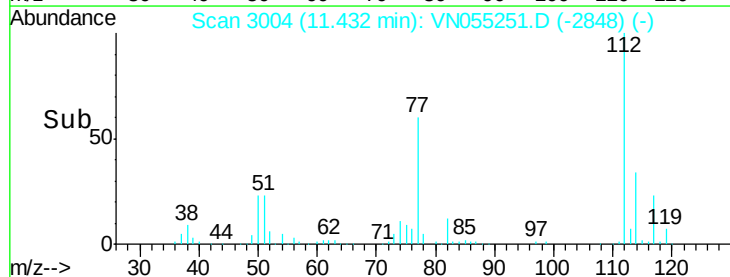
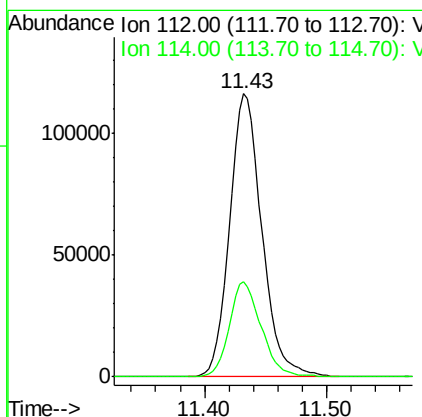
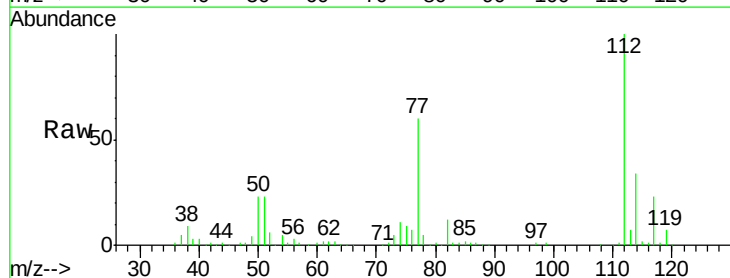
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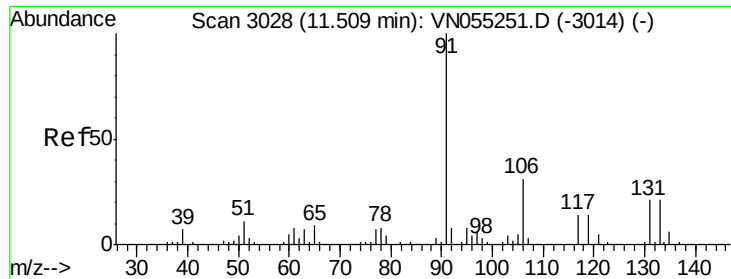
MMdadoda
4/26/2019 10:52:41 AM



#64
Chlorobenzene
Concen: 20.082 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion: 112 Resp: 214268
Ion Ratio Lower Upper
112 100
114 33.6 26.9 40.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.526 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

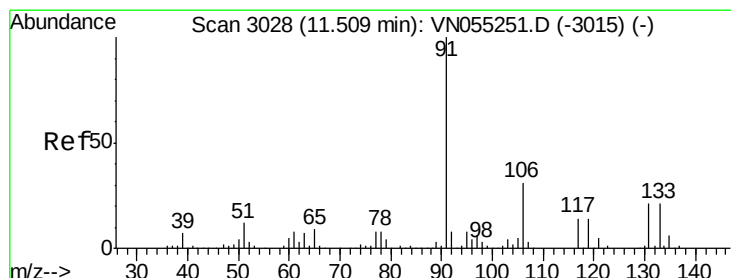
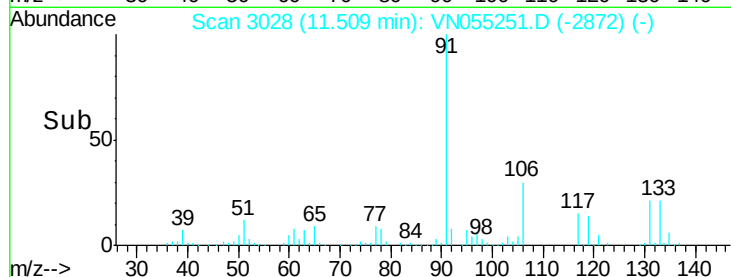
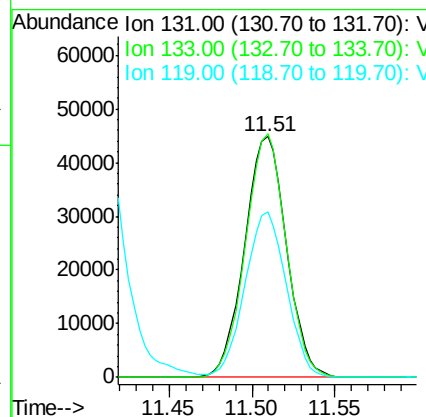
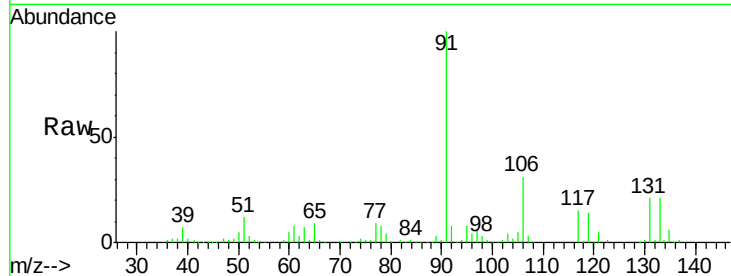
ClientSampled :

VSTDICCC020

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.8	0.0	195.6
119	67.5	0.0	135.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.996 ug/l

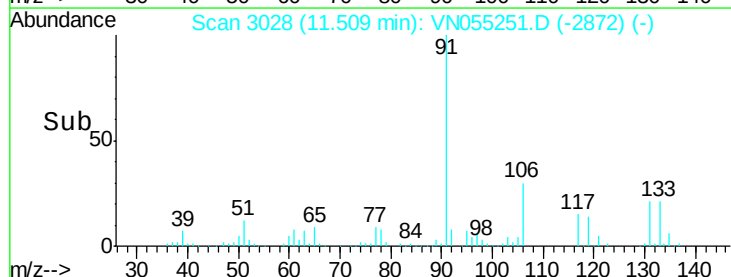
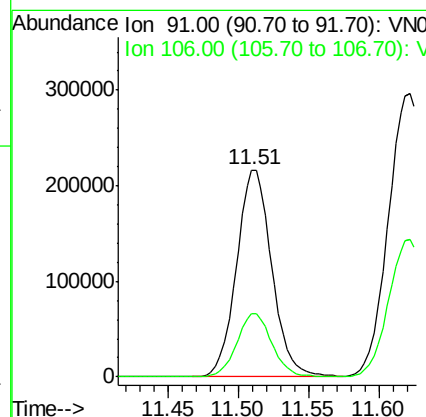
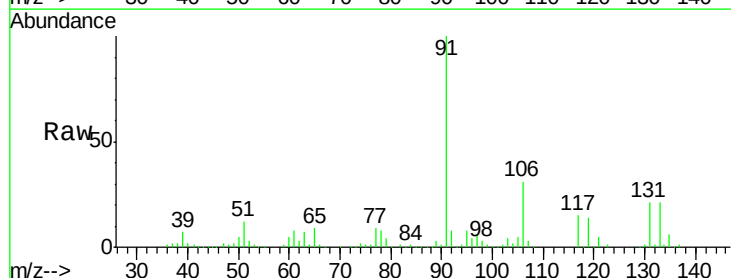
RT: 11.51 min Scan# 3028

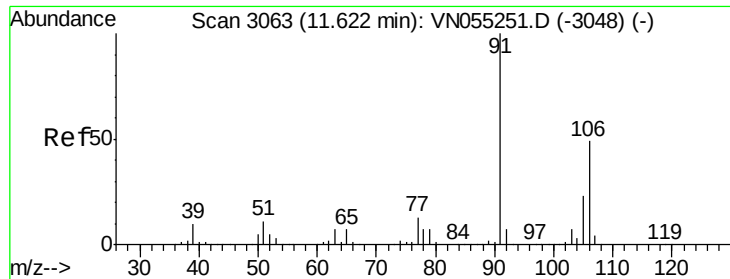
Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.5	36.7





#67

m/p-Xylenes

Concen: 40.473 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:106 Resp: 285185

Ion Ratio Lower Upper

106 100

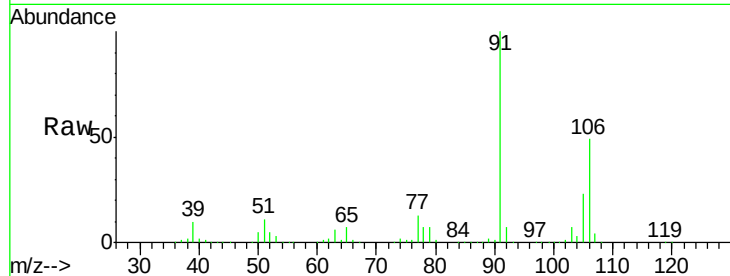
91 206.8 165.4 248.2

Manual Integrations

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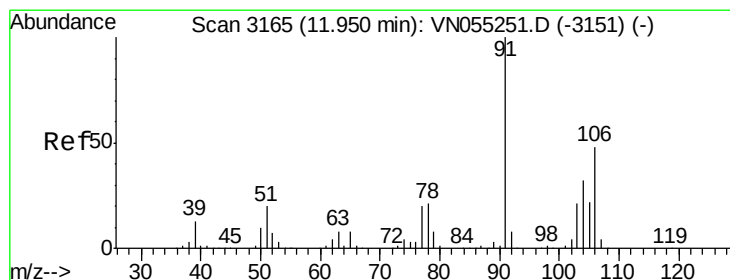
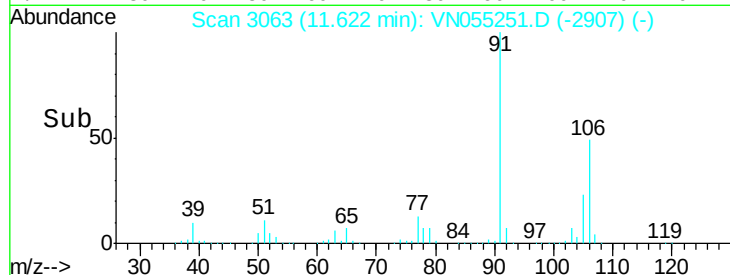
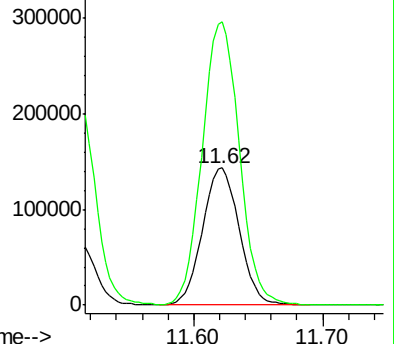
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.674 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN055251.D

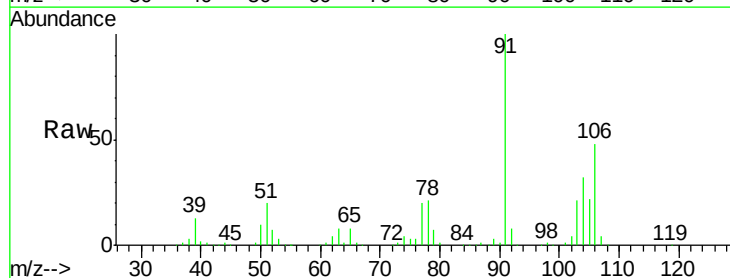
Acq: 25 Apr 2019 18:24

Tgt Ion:106 Resp: 145031

Ion Ratio Lower Upper

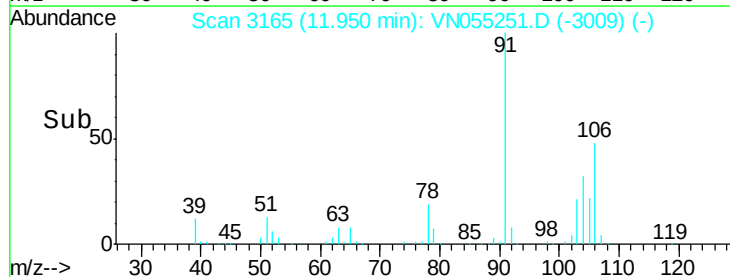
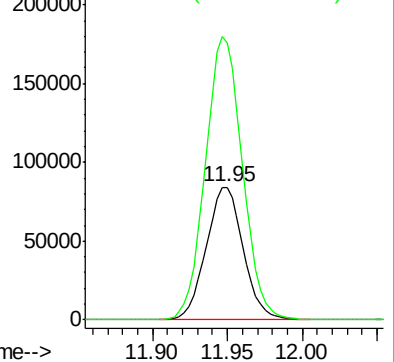
106 100

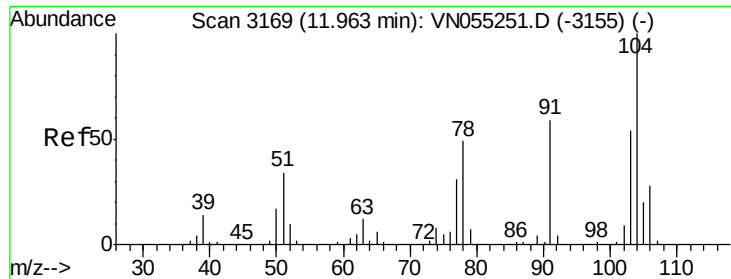
91 213.6 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





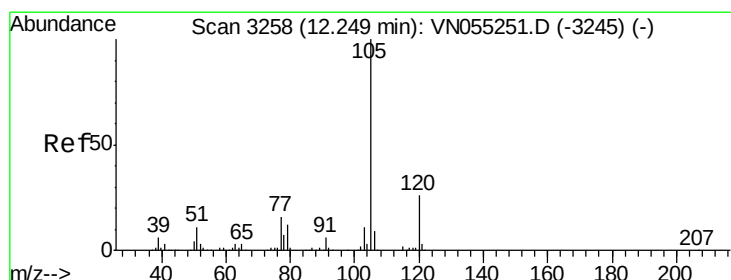
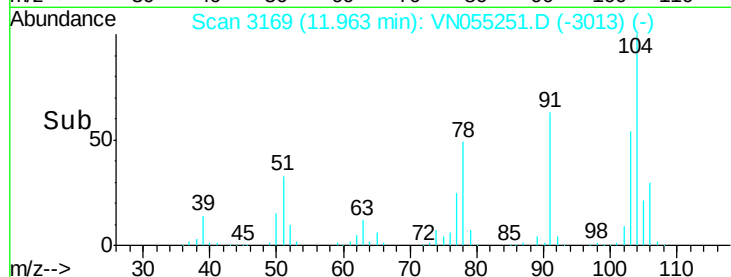
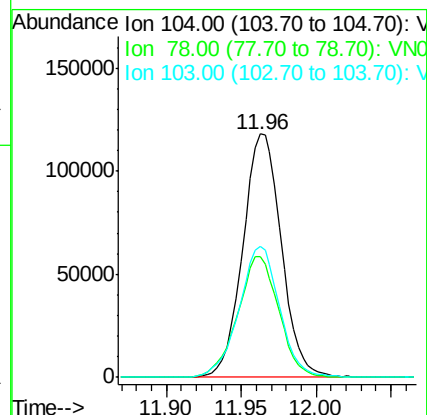
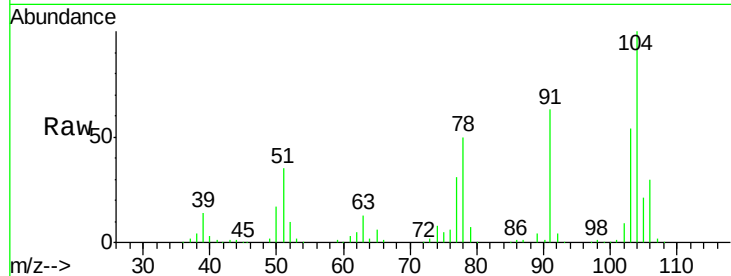
#69
Stvrene
Concen: 19.594 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.4	63.6
103	56.6	45.3	67.9

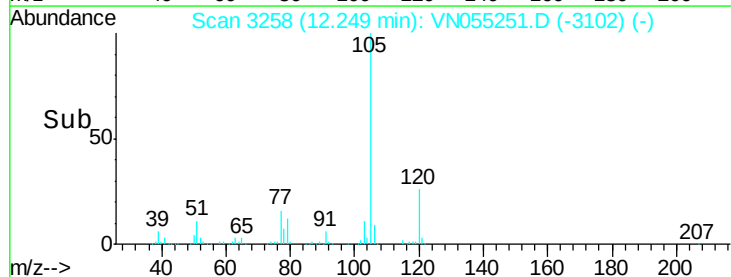
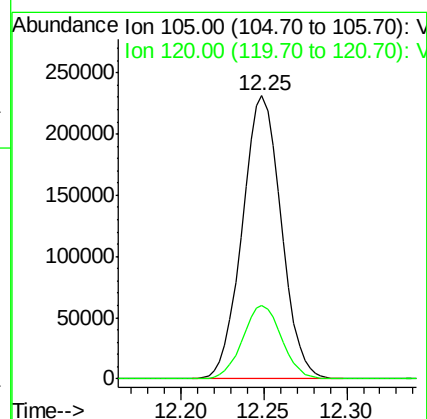
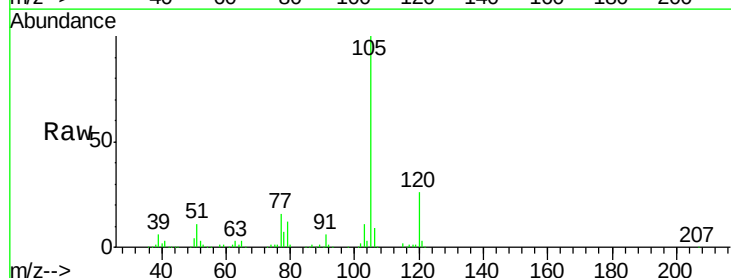
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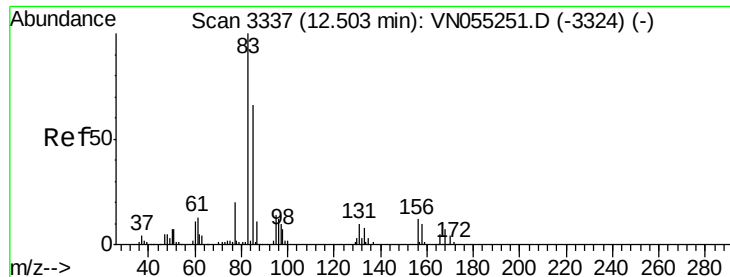
MMDadoda
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#70
Isopropylbenzene
Concen: 20.298 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	18.1	33.7





#71

1,1,2,2-Tetrachloroethane

Concen: 23.056 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion: 83 Resp: 102158
Ion Ratio Lower Upper

83 100

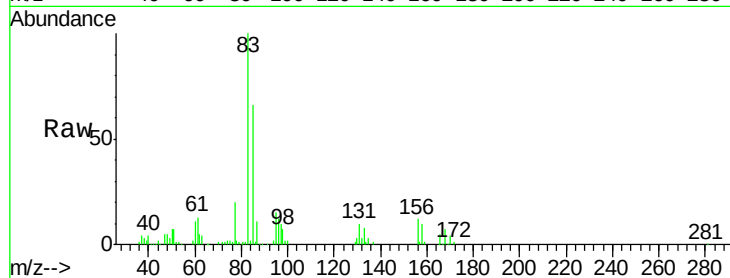
131 9.9 5.0 14.9

85 64.5 32.3 96.8

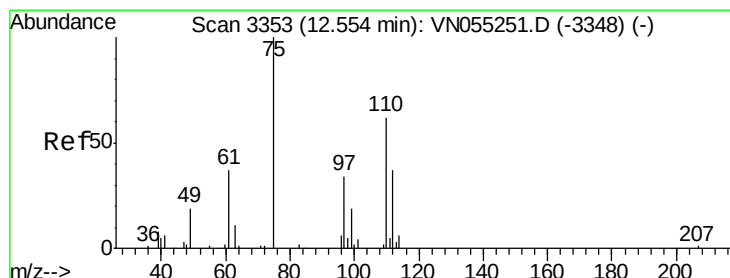
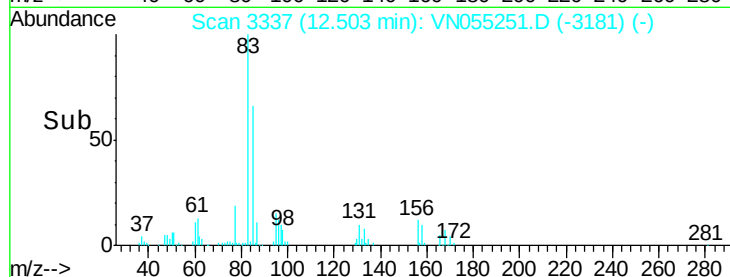
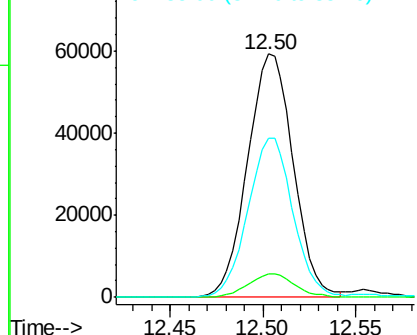
Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 131.00 (130.70 to 131.70): VN
Ion 85.00 (84.70 to 85.70): VN



#72

1,2,3-Trichloropropane

Concen: 23.569 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

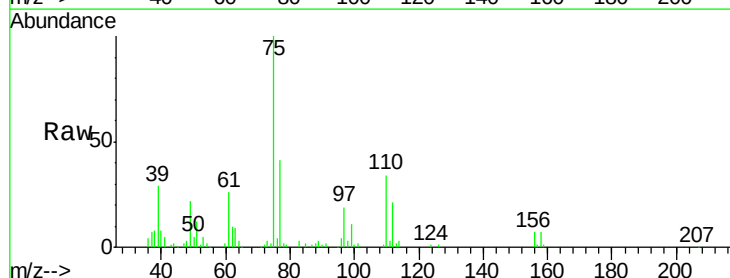
Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

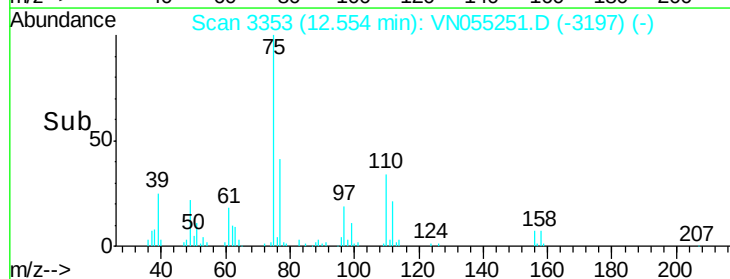
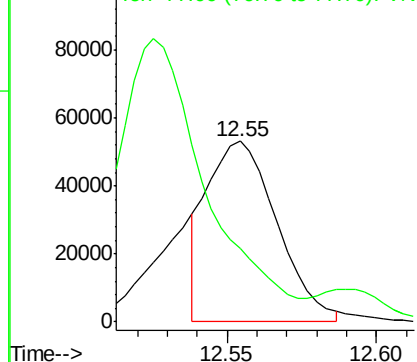
Tgt Ion: 75 Resp: 86124
Ion Ratio Lower Upper

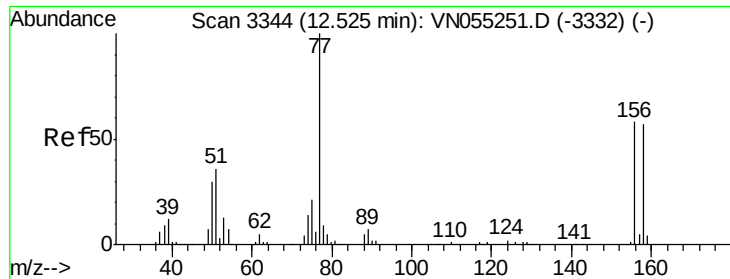
75 100

77 203.6 0.0 410.2



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN





#73

Bromobenzene

Concen: 19.793 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

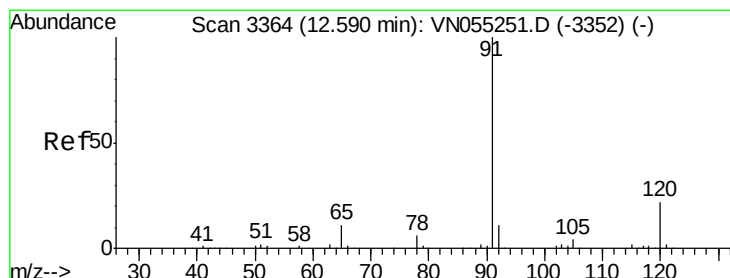
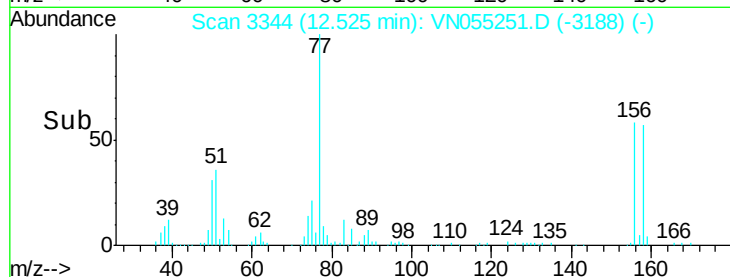
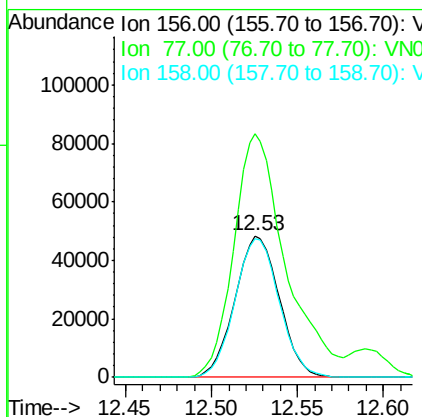
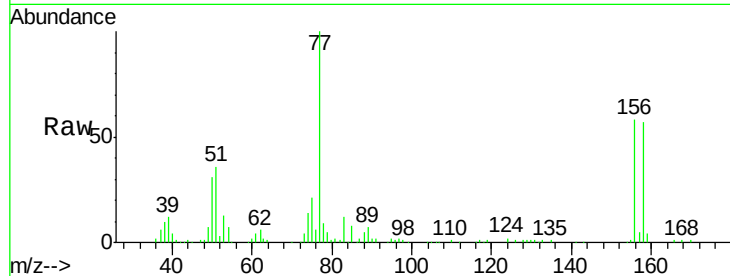
ClientSampled :

VSTDICCC020

Tot Ion:	156	Resp:	87010
Ion	Ratio	Lower	Upper
156	100		
77	201.6	0.0	403.2
158	97.9	0.0	195.8

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#74

n-propylbenzene

Concen: 19.938 ug/l

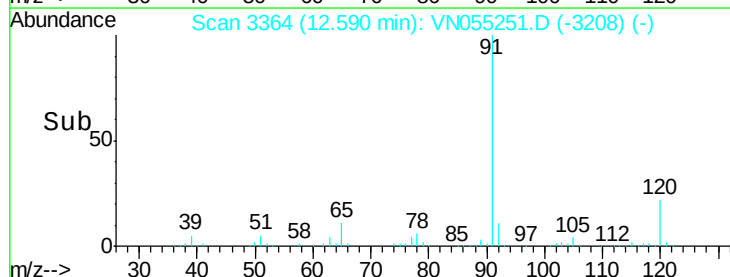
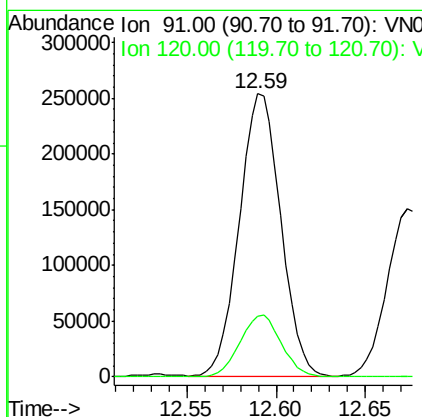
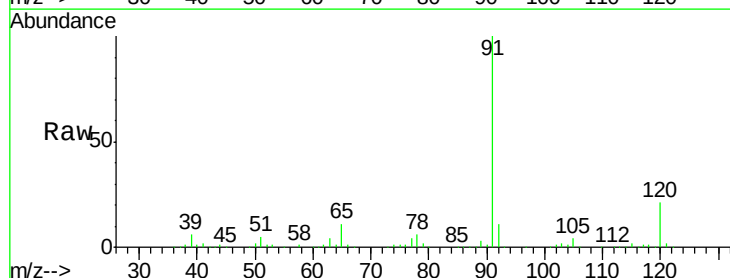
RT: 12.59 min Scan# 3364

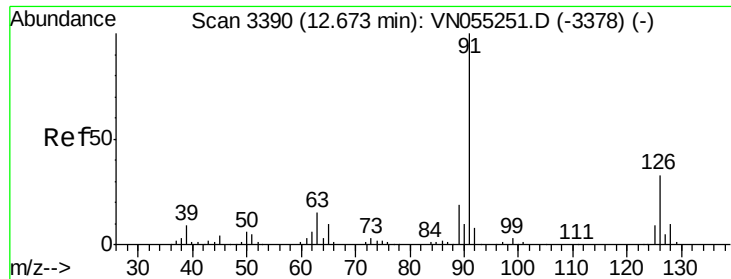
Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Tgt Ion:	91	Resp:	413618
Ion	Ratio	Lower	Upper
91	100		
120	21.8	0.0	43.6





#75

2-Chlorotoluene

Concen: 20.357 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Tot Ion: 91 Resp: 255991

Ion Ratio Lower Upper

91 100

126 32.9 0.0 65.8

Instrument :

MSVOA_N

ClientSampleId :

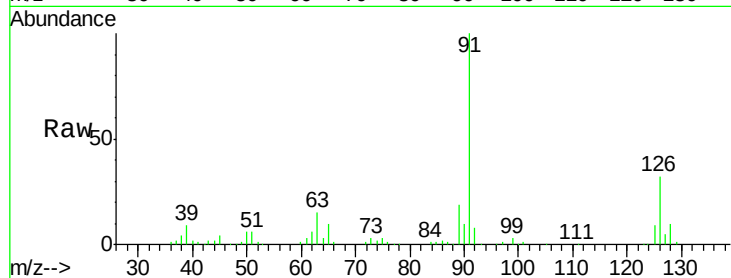
VSTDICCC020

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Abundance Ion 91.00 (90.70 to 91.70): VN055251.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN055251.D (-3378) (-)

200000

150000

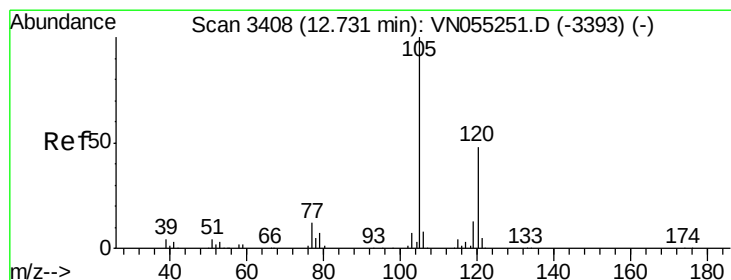
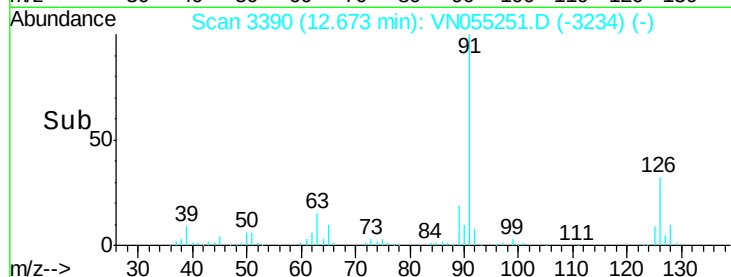
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.307 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055251.D

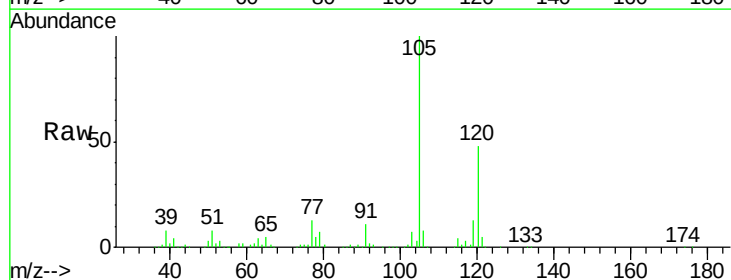
Acq: 25 Apr 2019 18:24

Tgt Ion: 105 Resp: 304949

Ion Ratio Lower Upper

105 100

120 47.4 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): VN055251.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055251.D (-3393) (-)

200000

150000

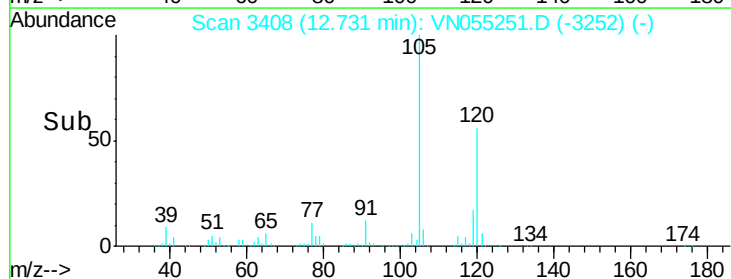
100000

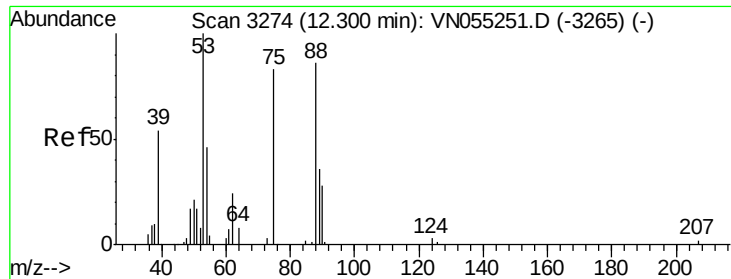
50000

0

12.70 12.80

Time-->





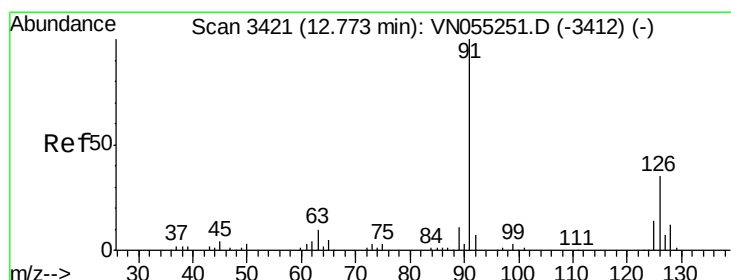
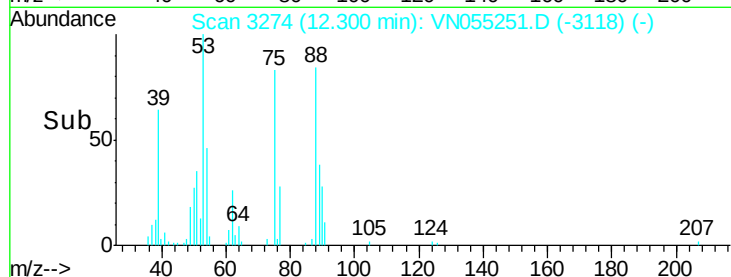
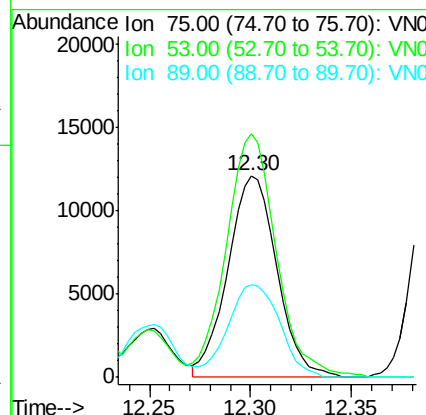
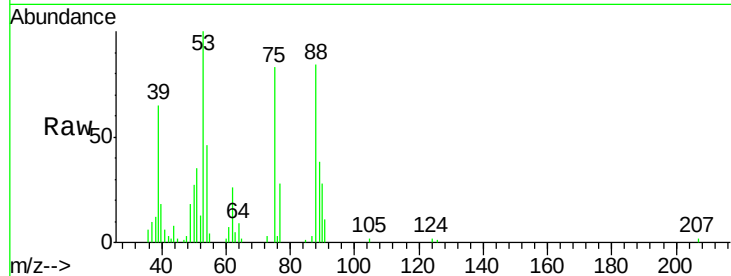
#77
t-1,4-Dichloro-2-butene
Concen: 21.802 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.0	59.5	178.5
89	46.1	23.1	69.2

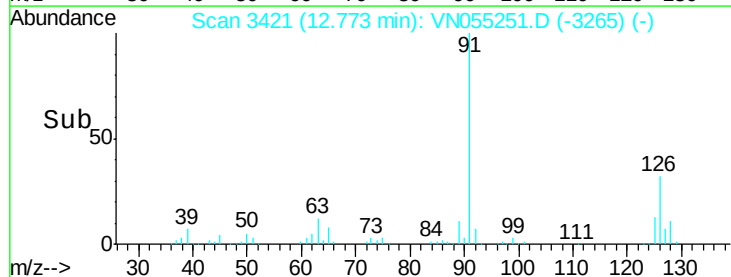
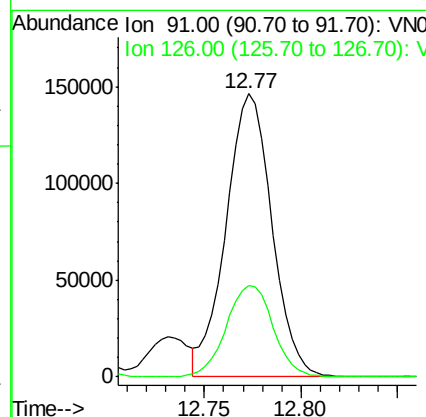
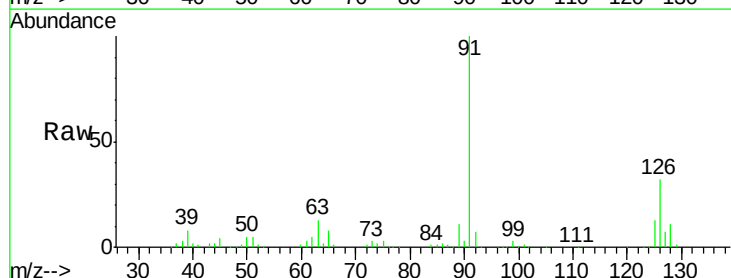
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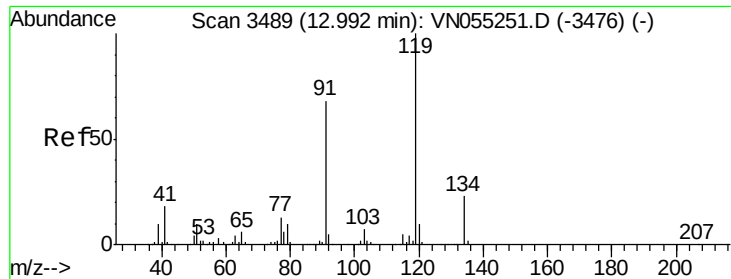
MMDadoda
4/26/2019 10:52:41 AM



#78
4-Chlorotoluene
Concen: 19.964 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	0.0	66.8





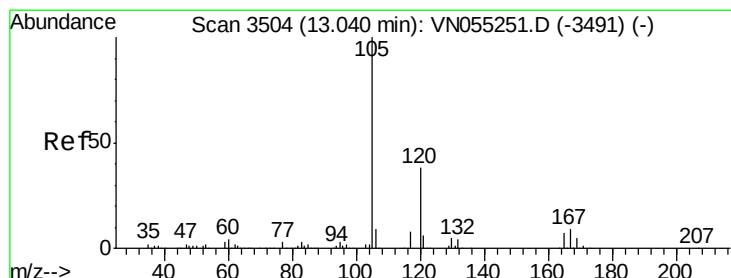
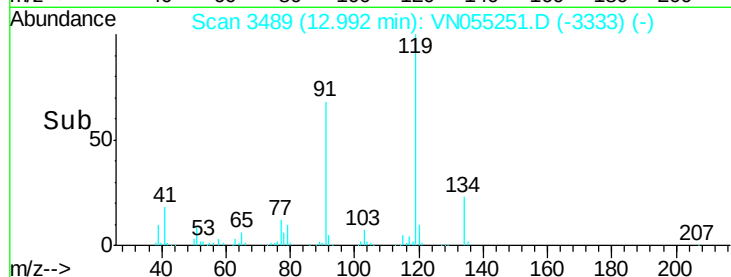
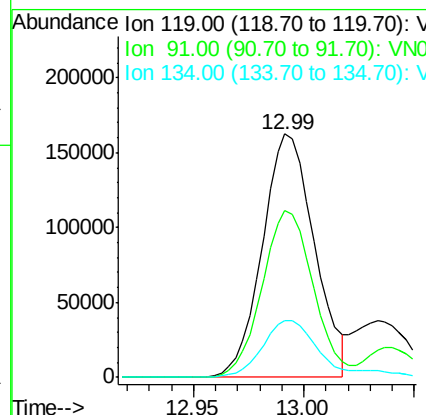
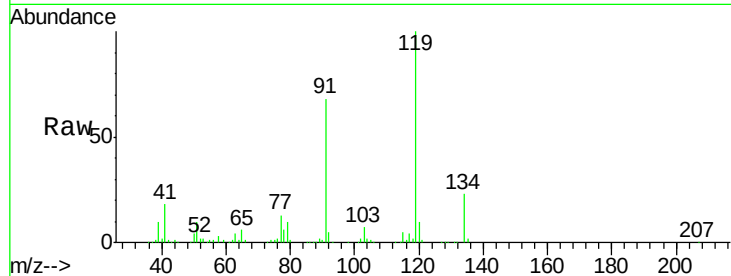
#79
tert-butylbenzene
Concen: 20.397 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	265672		
91	67.8		0.0	135.6
134	23.9		0.0	47.8

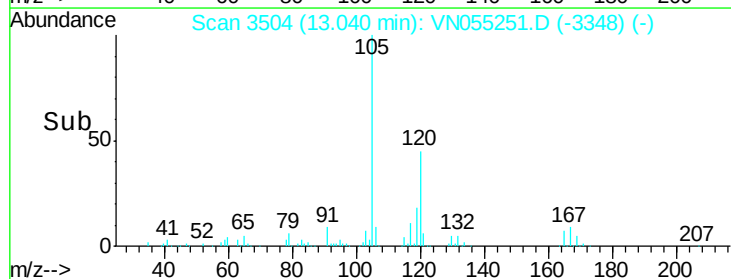
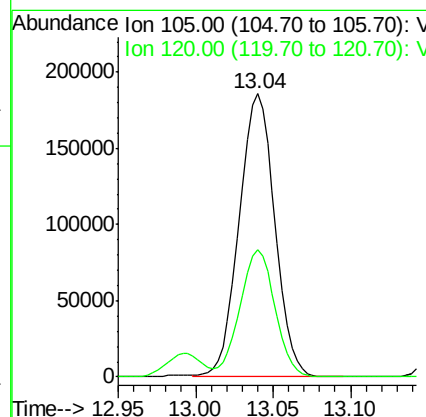
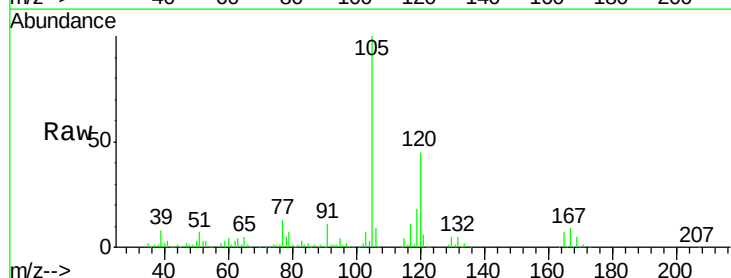
Manual Integrations
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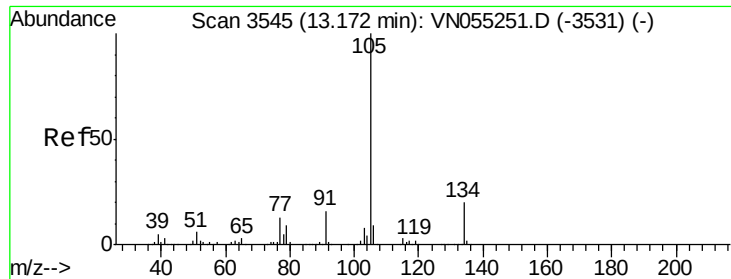
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#80
1,2,4-Trimethylbenzene
Concen: 20.114 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	297964		
120	44.3		0.0	88.6





#81

sec-Butylbenzene

Concen: 20.127 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tot Ion:105 Resp: 348613

Ion Ratio Lower Upper

105 100

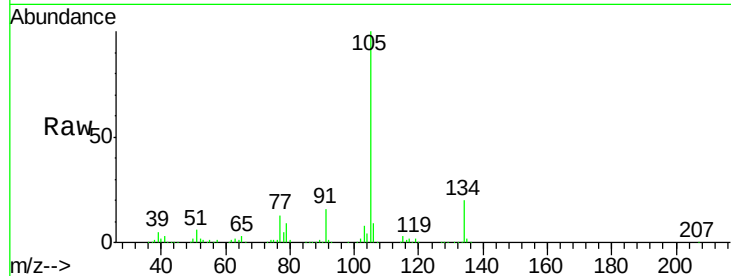
134 19.9 0.0 39.8

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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

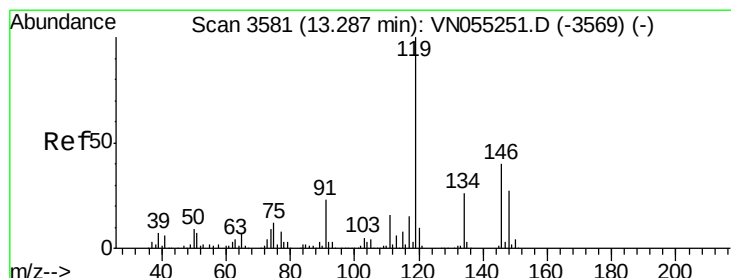
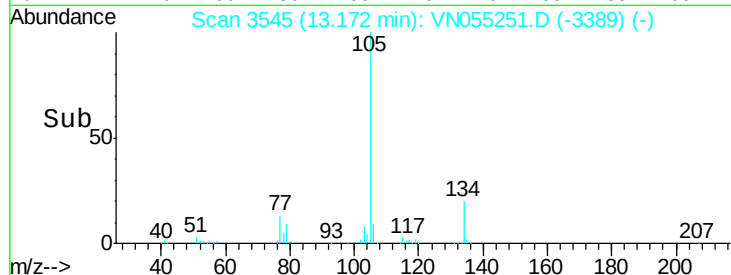
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#82

p-Isopropyltoluene

Concen: 19.575 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

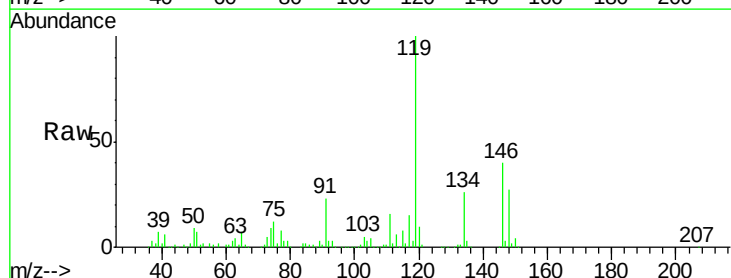
Tgt Ion:119 Resp: 284485

Ion Ratio Lower Upper

119 100

134 26.6 0.0 53.2

91 23.8 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

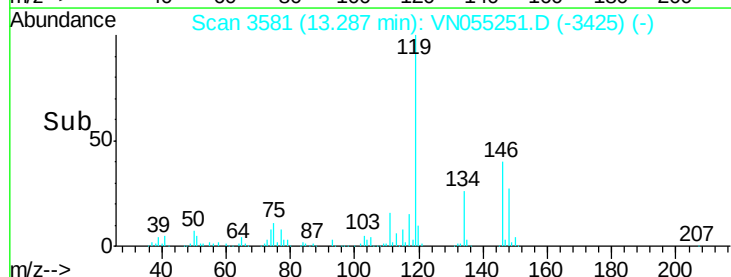
100000

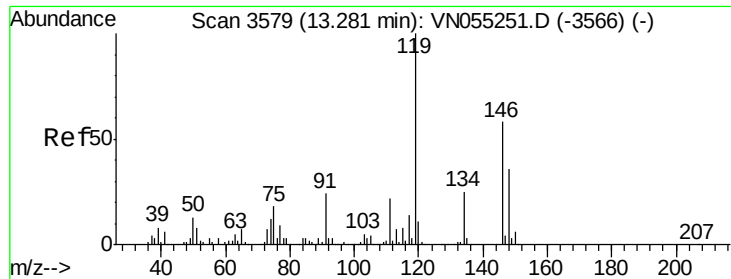
50000

0

13.25 13.30 13.35

Time-->





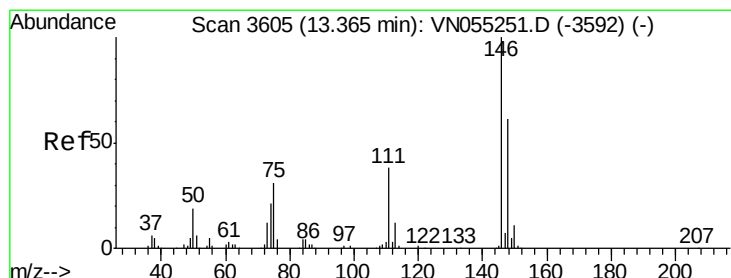
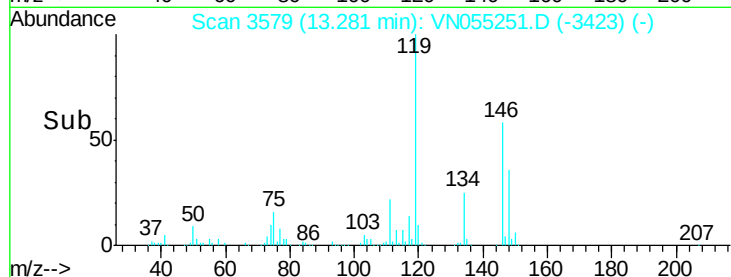
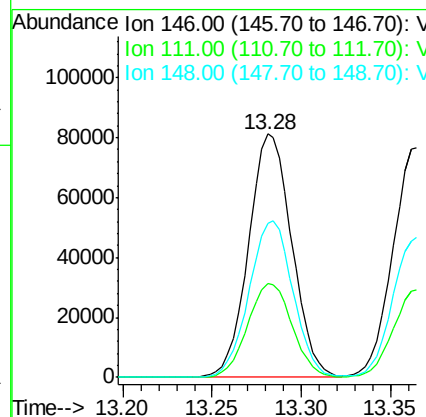
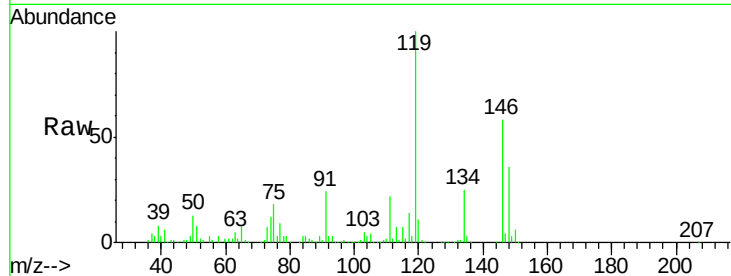
#83
 1,3-Dichlorobenzene
 Concen: 18.823 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	65.5	32.8	98.3

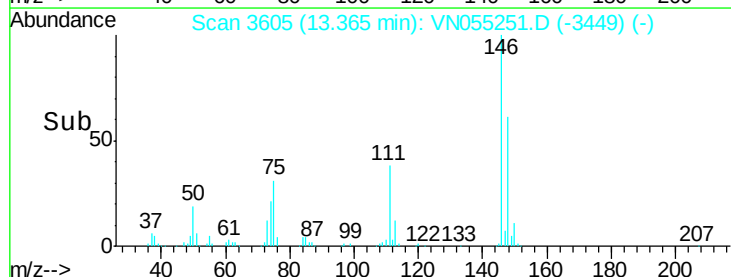
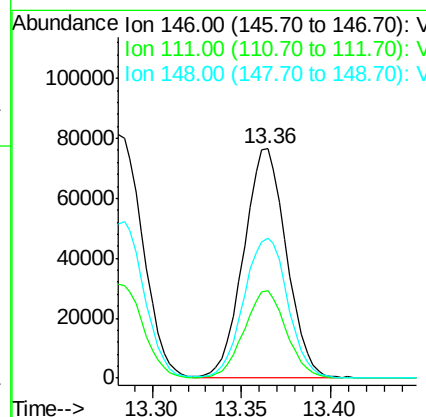
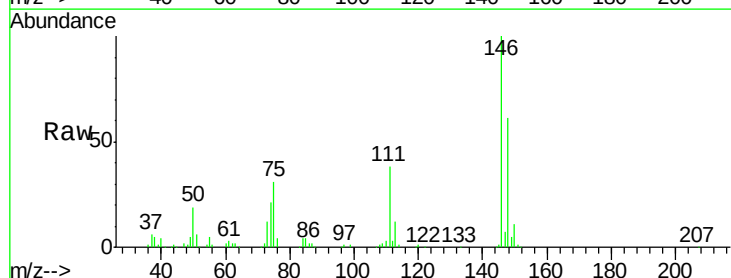
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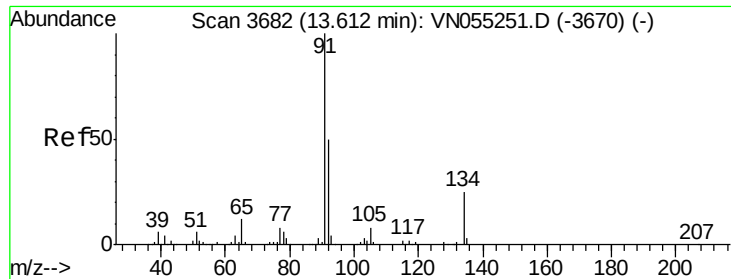
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#84
 1,4-Dichlorobenzene
 Concen: 18.507 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	62.9	31.4	94.3





#85

n-Butylbenzene

Concen: 17.347 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

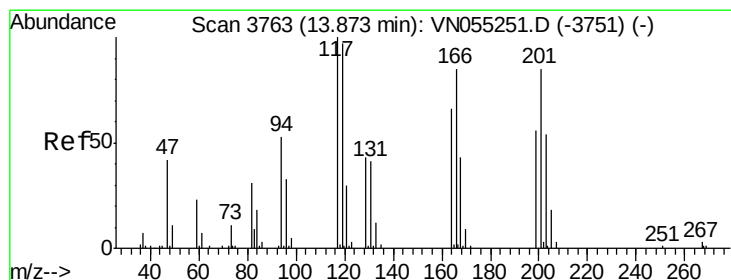
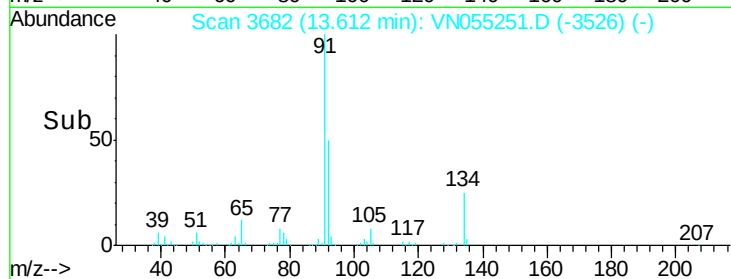
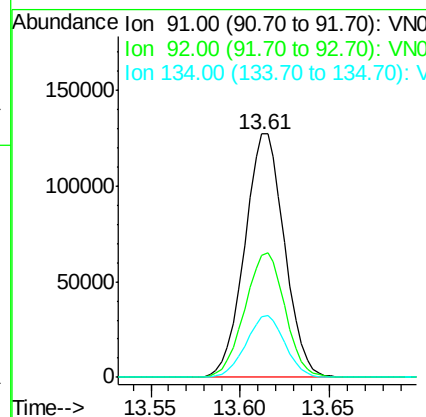
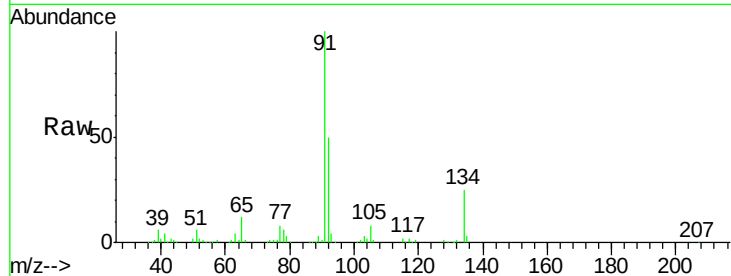
ClientSampleId :

VSTDICCC020

Tot Ion:	91	Resp:	198532
Ion Ratio	Lower	Upper	
91	100		
92	51.4	0.0	102.8
134	25.0	0.0	50.0

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#86

Hexachloroethane

Concen: 19.684 ug/l

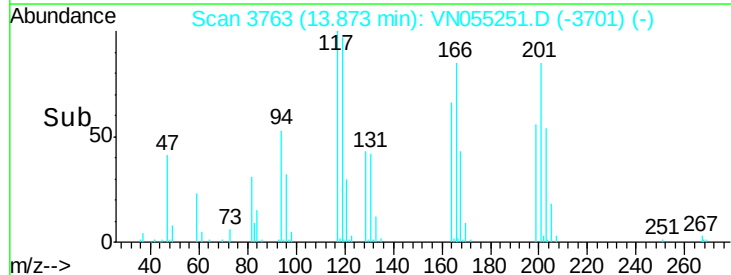
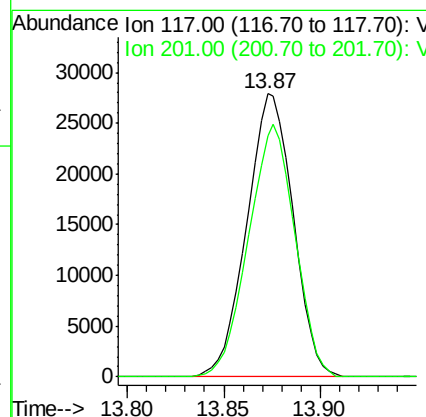
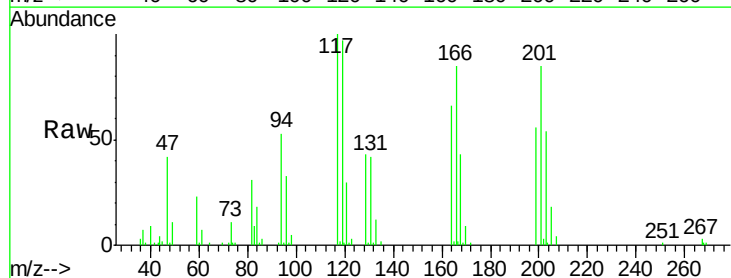
RT: 13.87 min Scan# 3763

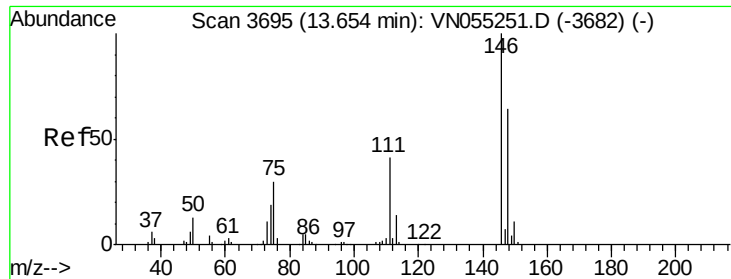
Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Tgt Ion:	117	Resp:	46512
Ion Ratio	Lower	Upper	
117	100		
201	89.1	44.5	133.7





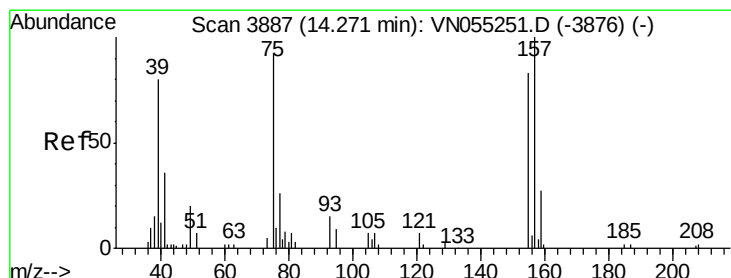
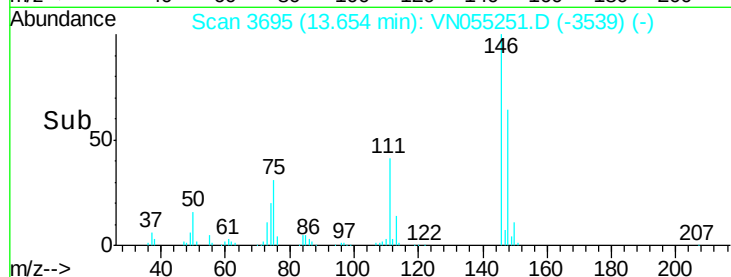
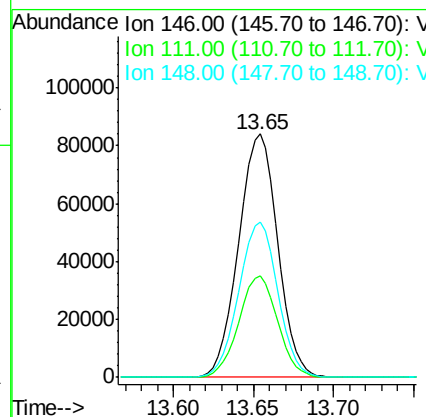
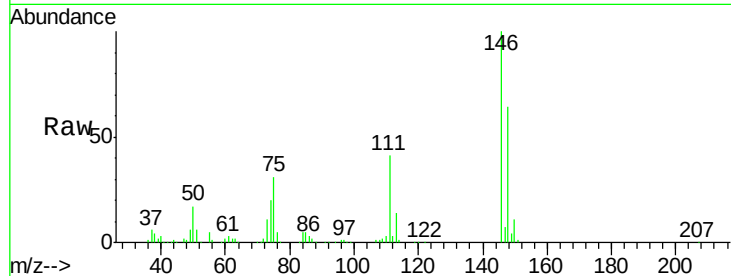
#87
 1,2-Dichlorobenzene
 Concen: 19.511 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.2
148	63.7	31.9	95.5

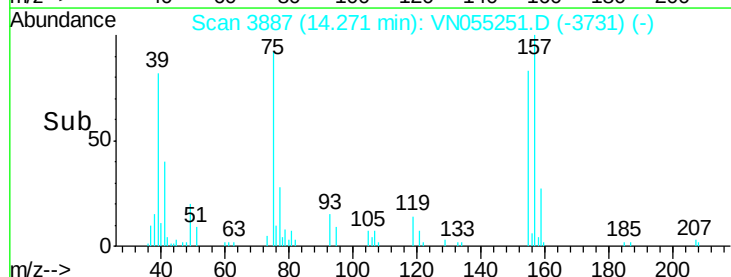
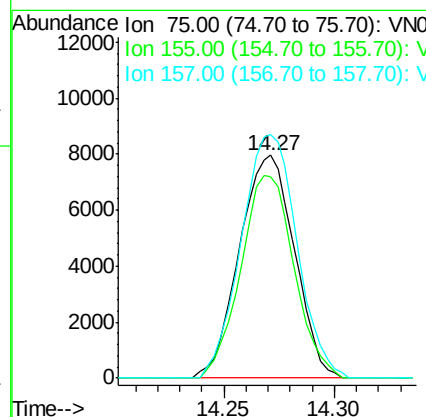
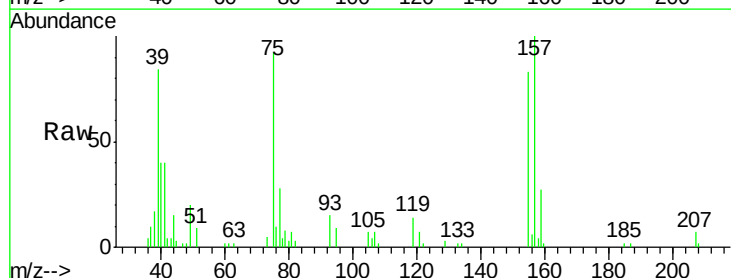
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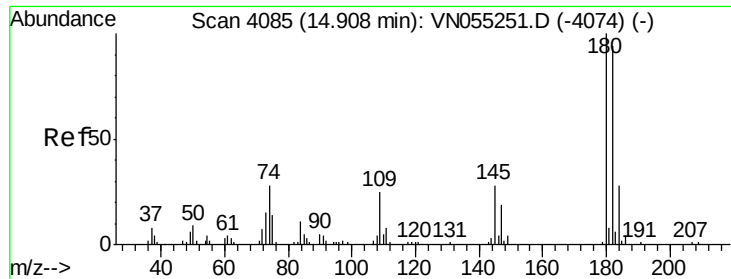
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 23.137 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	70.4	105.6
157	110.6	88.5	132.7





#89

1,2,4-Trichlorobenzene

Concen: 14.438 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

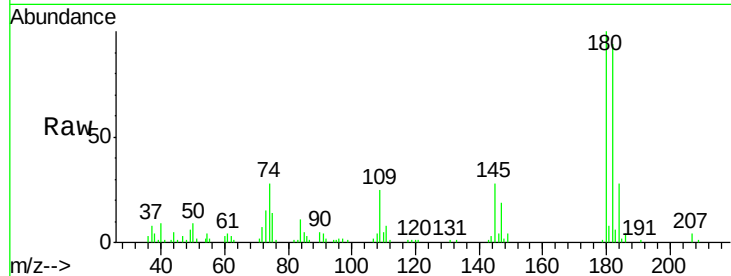
ClientSampleId :

VSTDICCC020

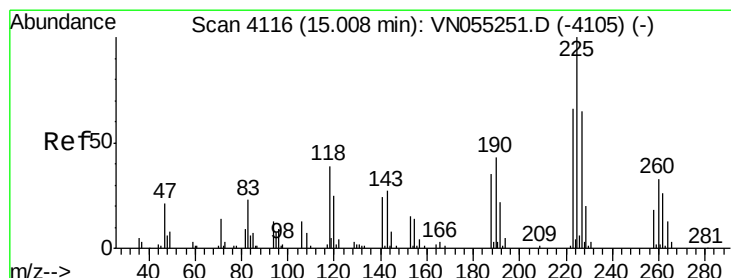
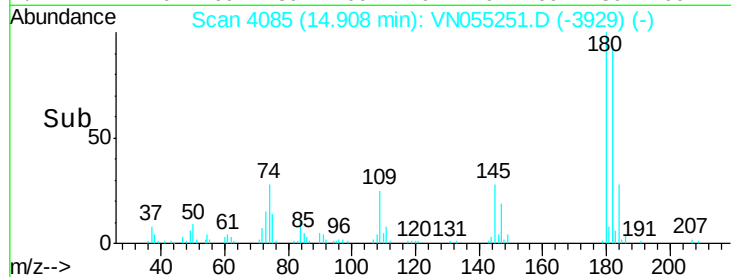
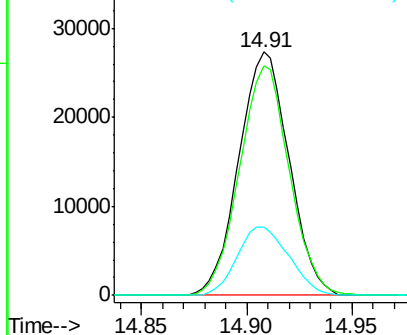
Tot Ion:	180	Resp:	45229
Ion Ratio	Lower	Upper	
180	100		
182	93.5	74.8	112.2
145	29.0	23.2	34.8

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Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 20.320 ug/l

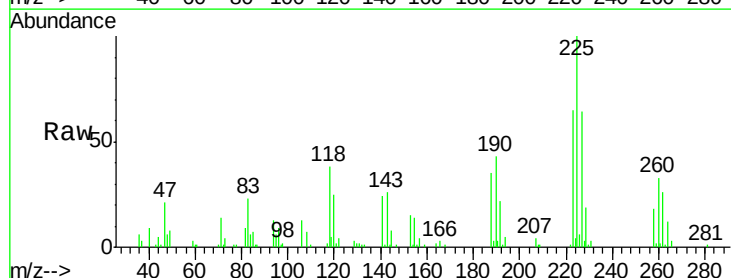
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

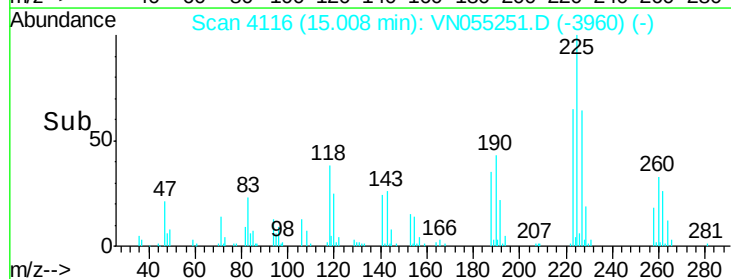
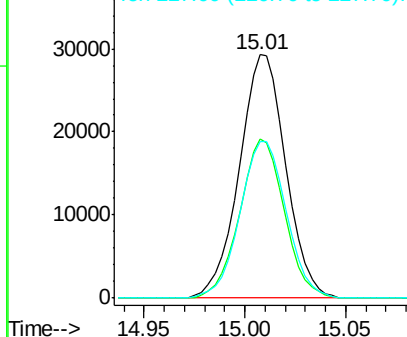
Lab File: VN055251.D

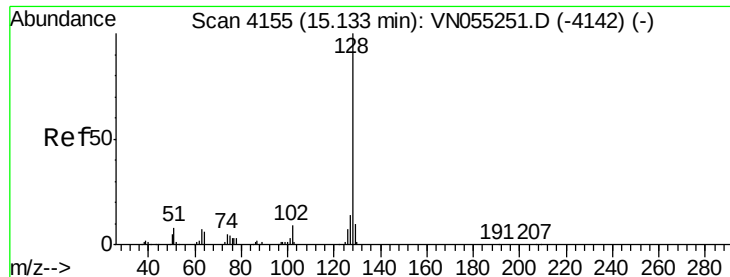
Acq: 25 Apr 2019 18:24

Tgt Ion:	225	Resp:	47256
Ion Ratio	Lower	Upper	
225	100		
223	62.6	0.0	125.2
227	64.2	0.0	128.4



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





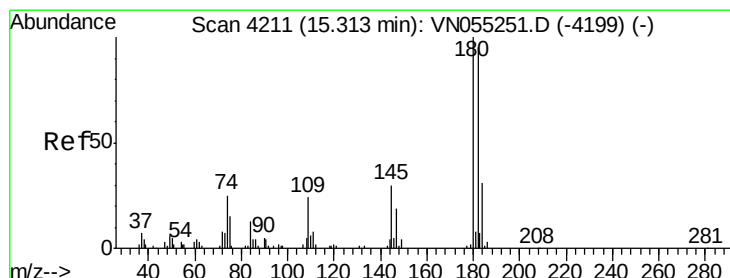
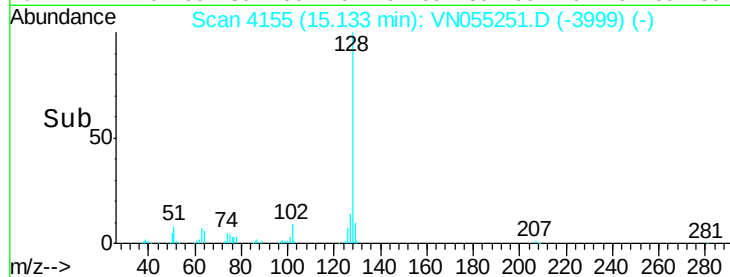
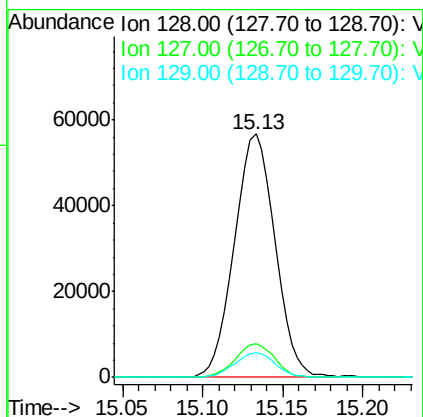
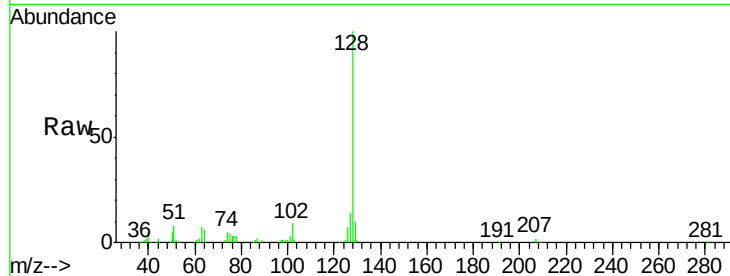
#91
Naphthalene
Concen: 14.707 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:	128	Resp:	98315
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	10.0	8.0	12.0

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#92
1,2,3-Trichlorobenzene
Concen: 15.830 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion:	180	Resp:	49920
Ion Ratio	Lower	Upper	
180	100		
182	94.0	0.0	188.0
145	30.0	0.0	60.0

