

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052307.D
 Acq On : 14 Nov 2018 11:50
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:58:18 PM

Quant Time: Nov 15 02:54:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 02:30:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	271211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	453099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	412841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	190828	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	189446	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.59	113	150381	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	10.09	98	582193	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.40	95	196752	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	149654	52.073	ug/l	100
3) Chloromethane	2.06	50	204111	51.106	ug/l	100
4) Vinyl Chloride	2.19	62	171355	49.634	ug/l	100
5) Bromomethane	2.57	94	102299	47.531	ug/l	100
6) Chloroethane	2.71	64	97574	49.987	ug/l	100
7) Trichlorofluoromethane	3.02	101	235817	49.362	ug/l	100
8) Diethyl Ether	3.41	74	90807	49.873	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	147788	48.986	ug/l	100
10) Methyl Iodide	3.96	142	205406	50.708	ug/l	100
11) Tert butyl alcohol	4.77	59	47471	233.760	ug/l	100
12) 1,1-Dichloroethene	3.74	96	135500	48.534	ug/l	100
13) Acrolein	3.61	56	73866	264.414	ug/l	100
14) Allyl chloride	4.33	41	288710	50.362	ug/l	100
15) Acrylonitrile	4.99	53	291212	248.545	ug/l	100
16) Acetone	3.82	43	255439	238.165	ug/l	100
17) Carbon Disulfide	4.06	76	402631	50.293	ug/l	100
18) Methyl Acetate	4.33	43	144282	47.139	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	407576	50.800	ug/l	100
20) Methylene Chloride	4.55	84	161478	45.993	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	147319	50.941	ug/l	100
22) Diisopropyl ether	5.95	45	591927	50.071	ug/l	100
23) Vinyl Acetate	5.90	43	2100328	264.705	ug/l	100
24) 1,1-Dichloroethane	5.85	63	305515	48.711	ug/l	100
25) 2-Butanone	6.83	43	372375	250.839	ug/l	100
26) 2,2-Dichloropropane	6.82	77	233010	50.524	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	172541	49.309	ug/l	100
28) Bromochloromethane	7.19	49	158524	49.156	ug/l	100
29) Tetrahydrofuran	7.21	42	242956	247.190	ug/l	100
30) Chloroform	7.37	83	296307	49.572	ug/l	100
31) Cyclohexane	7.66	56	288218	39.638	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	250996	49.294	ug/l	100
36) 1,1-Dichloropropene	7.79	75	230146	50.677	ug/l	100
37) Ethyl Acetate	6.93	43	171557	49.441	ug/l	100
38) Carbon Tetrachloride	7.78	117	218553	52.382	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	263123	50.753	ug/l	100
40) Benzene	8.04	78	656900	50.633	ug/l	100
41) Methacrylonitrile	7.18	41	86828m	46.500	ug/l	
42) 1,2-Dichloroethane	8.13	62	230577	49.840	ug/l	100
43) Isopropyl Acetate	8.16	43	309989	48.741	ug/l	100
44) Trichloroethene	8.83	130	163351	51.114	ug/l	100
45) 1,2-Dichloropropane	9.12	63	181212	49.217	ug/l	100
46) Dibromomethane	9.21	93	109221	51.242	ug/l	100
47) Bromodichloromethane	9.40	83	223635	51.129	ug/l	100
48) Methyl methacrylate	9.20	41	158573	49.137	ug/l	100
49) 1,4-Dioxane	9.20	88	26925	1086.853	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	836471	261.281	ug/l	100
52) Toluene	10.16	92	397871	51.265	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	232989	52.816	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	265103	52.717	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	141191	50.183	ug/l	100
56) Ethyl methacrylate	10.43	69	196513	53.110	ug/l	100
57) 1,3-Dichloropropane	10.71	76	258027	51.776	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	561179	266.394	ug/l	100
59) 2-Hexanone	10.75	43	576171	261.654	ug/l	100
60) Dibromochloromethane	10.90	129	157381	51.701	ug/l	100
61) 1,2-Dibromoethane	11.00	107	144187	51.448	ug/l	100
64) Tetrachloroethene	10.63	164	142679	48.612	ug/l	100
65) Chlorobenzene	11.43	112	431292	49.424	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	153706	51.653	ug/l	100
67) Ethyl Benzene	11.51	91	775966	51.233	ug/l	100
68) m/p-Xylenes	11.62	106	579785	104.770	ug/l	100
69) o-Xylene	11.95	106	280275	52.836	ug/l	100
70) Styrene	11.96	104	454047	53.456	ug/l	100
71) Bromoform	12.13	173	92477	52.634	ug/l #	100
73) Isopropylbenzene	12.25	105	748665	48.797	ug/l	100
74) N-amyl acetate	12.07	43	286770	52.477	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	178918	48.241	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	161051m	53.679	ug/l	
77) Bromobenzene	12.53	156	174079	48.764	ug/l	100
78) n-propylbenzene	12.59	91	901590	50.247	ug/l	100
79) 2-Chlorotoluene	12.67	91	511361	48.784	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	620735	50.876	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	50330	50.414	ug/l	100
82) 4-Chlorotoluene	12.77	91	523401	48.737	ug/l	100
83) tert-Butylbenzene	12.99	119	530999	49.296	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	629556	51.400	ug/l	100
85) sec-Butylbenzene	13.17	105	746556	50.879	ug/l	100
86) p-Isopropyltoluene	13.29	119	635812	51.154	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	313660	49.473	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	308940	49.013	ug/l	100
89) n-Butylbenzene	13.61	91	566288	53.047	ug/l	100
90) Hexachloroethane	13.87	117	110202	50.058	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	304395	49.556	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26774	48.955	ug/l	100

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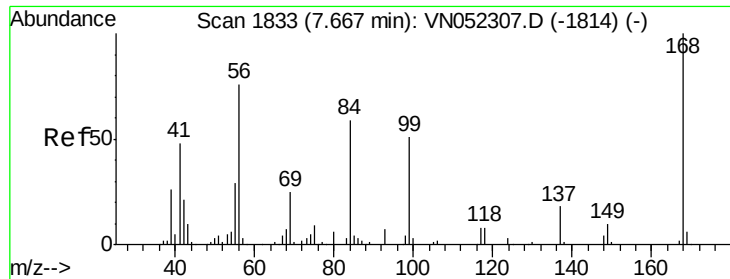
Manual Integrations
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MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	136465	53.991	ug/l	100
94) Hexachlorobutadiene	15.01	225	68987	49.069	ug/l	100
95) Naphthalene	15.13	128	327582	57.357	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	126481	54.190	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 271211

Ion Ratio Lower Upper

168 100

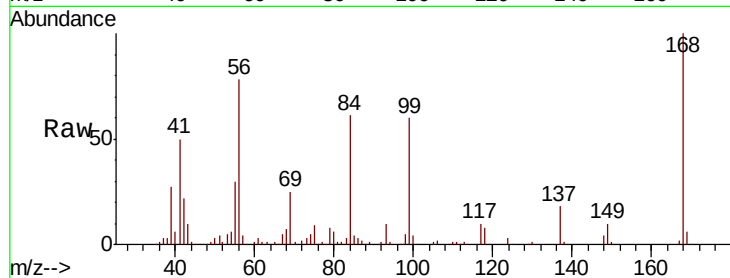
99 59.9 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

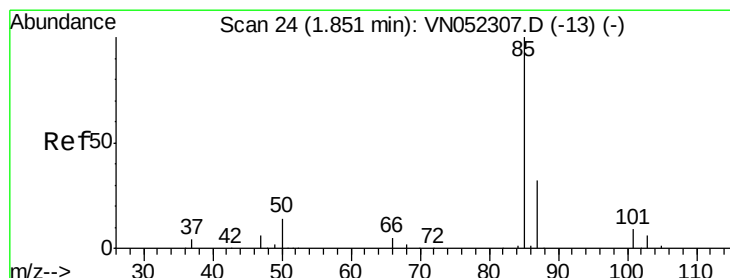
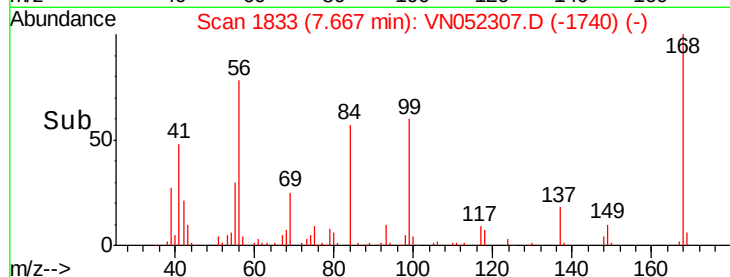
7.67

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.073 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052307.D

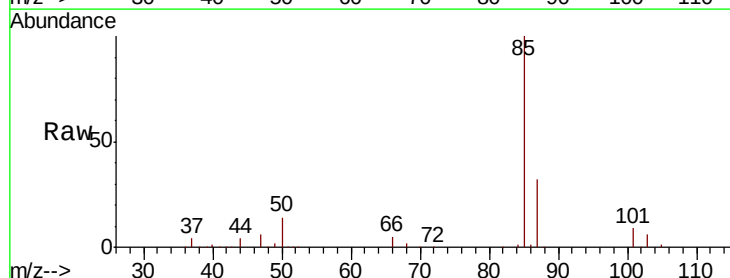
Acq: 14 Nov 2018 11:50

Tgt Ion: 85 Resp: 149654

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

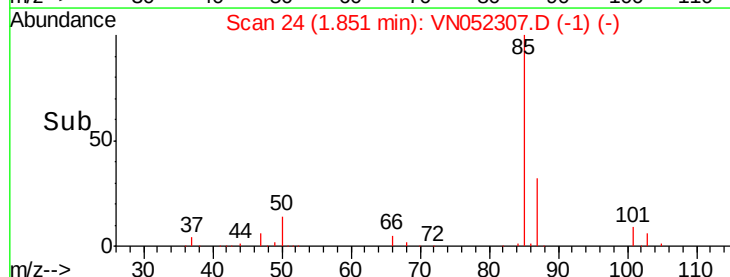
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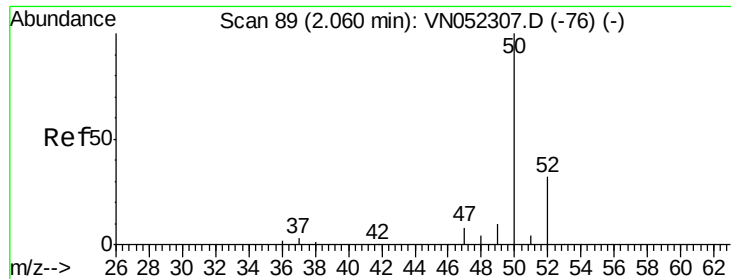
40000

20000

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Time-->





#3

Chloromethane

Concen: 51.106 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 204111

Ion Ratio Lower Upper

50 100

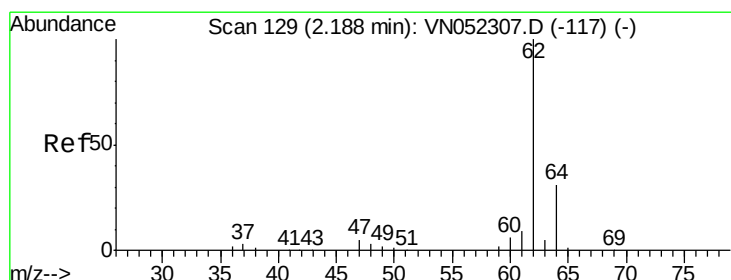
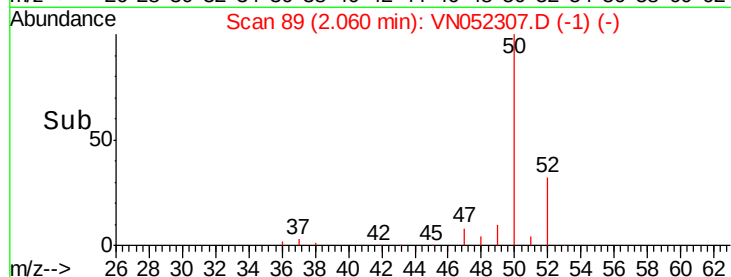
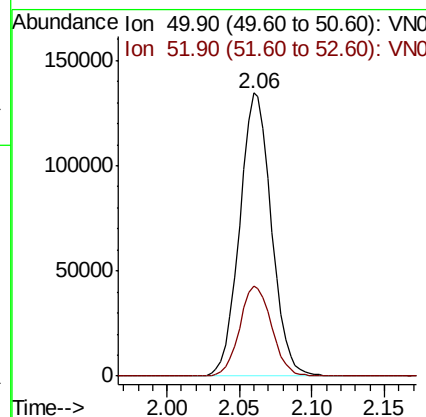
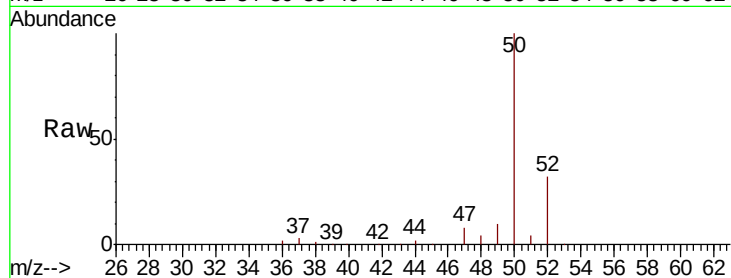
52 31.9 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.634 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN052307.D

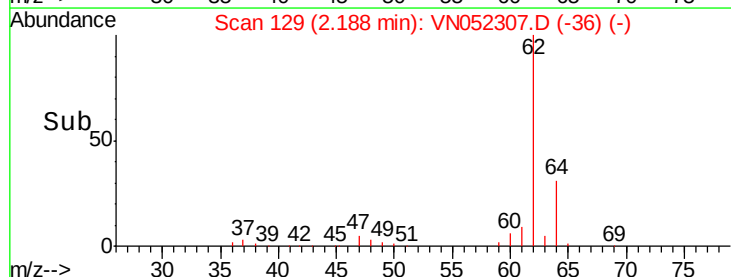
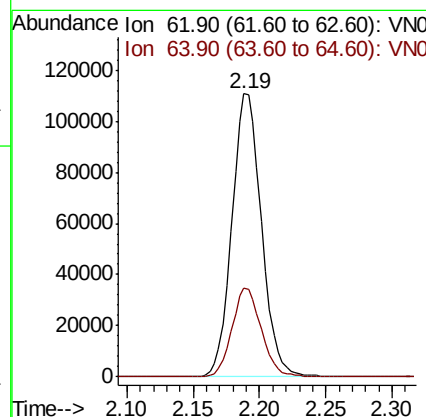
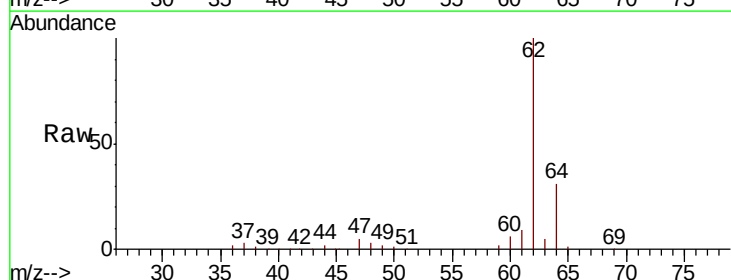
Acq: 14 Nov 2018 11:50

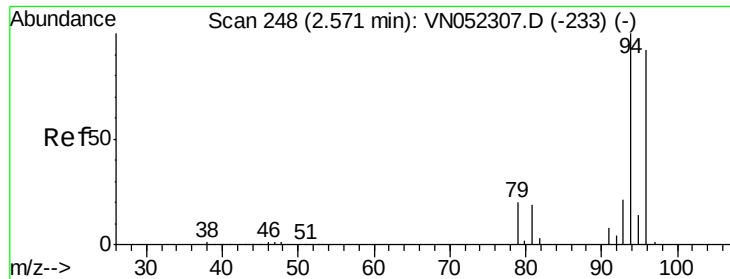
Tgt Ion: 62 Resp: 171355

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8





#5

Bromomethane

Concen: 47.531 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 102299

Ion Ratio Lower Upper

94 100

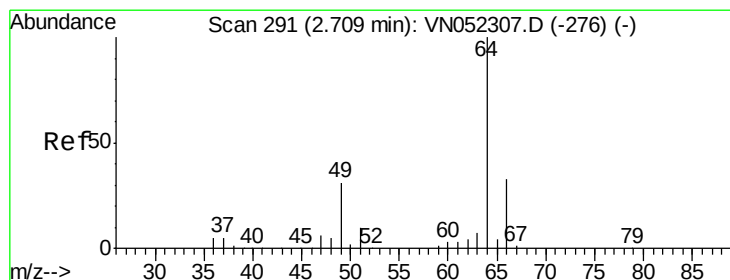
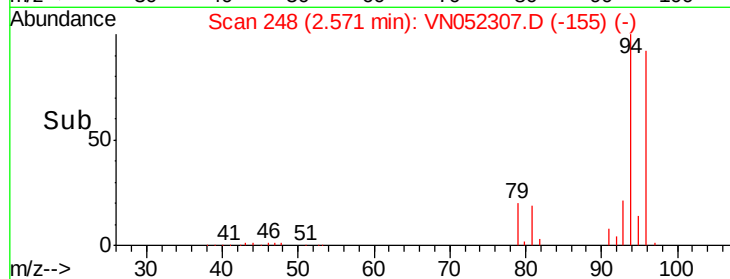
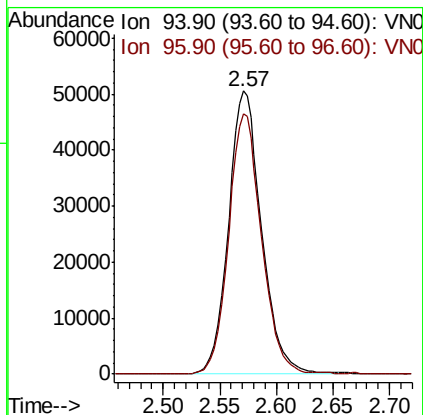
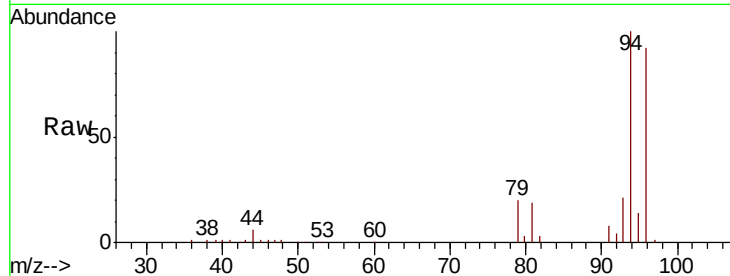
96 92.0 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 49.987 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052307.D

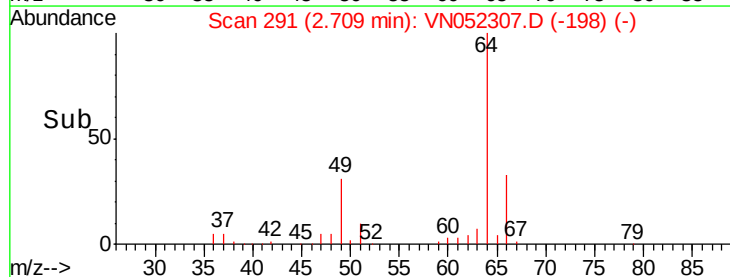
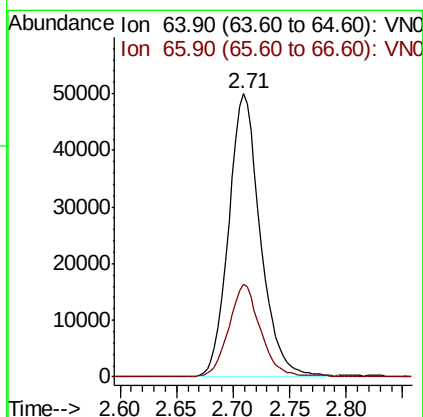
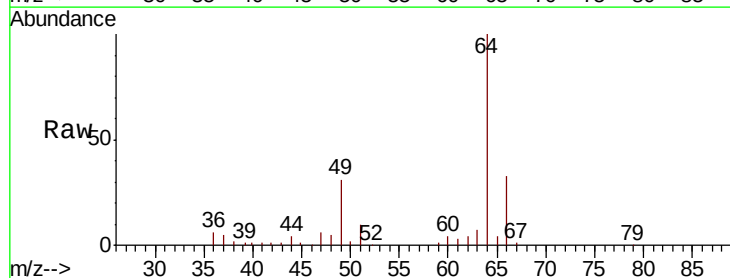
Acq: 14 Nov 2018 11:50

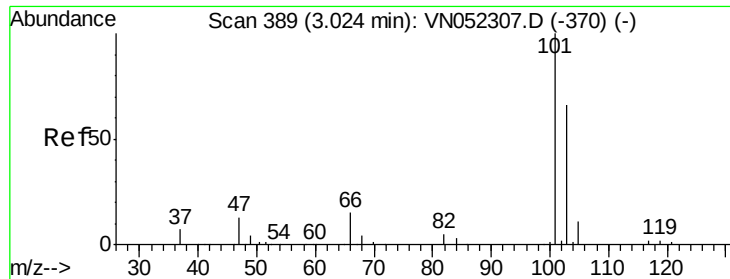
Tgt Ion: 64 Resp: 97574

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.2





#7

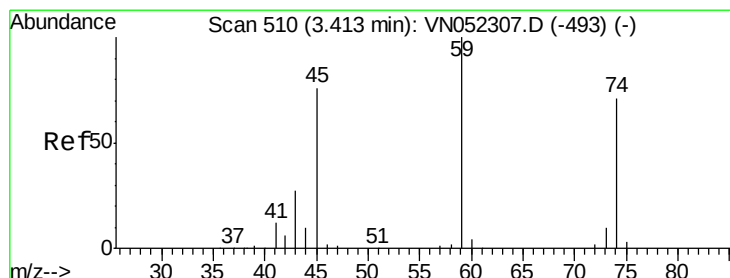
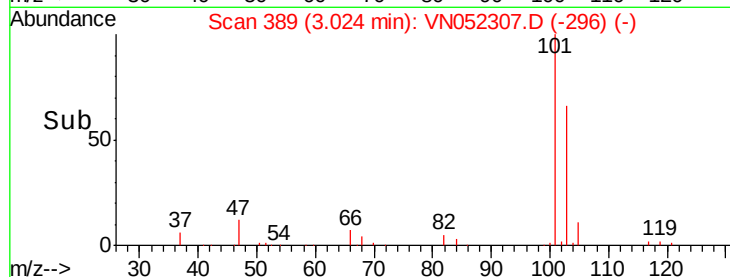
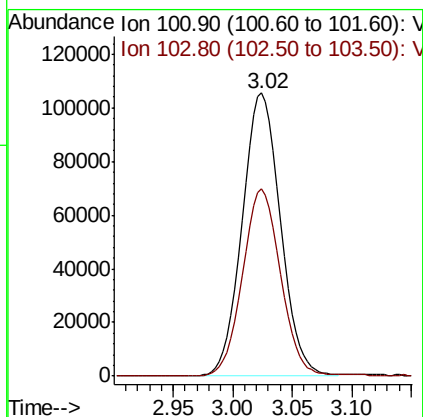
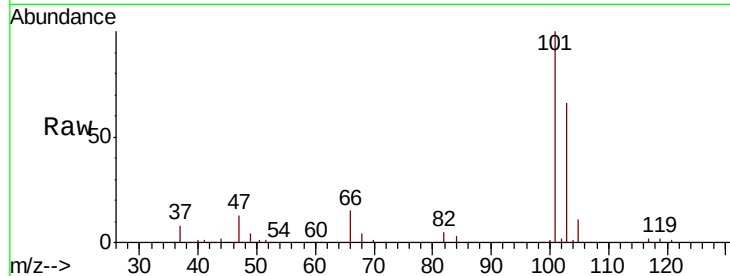
Trichlorofluoromethane
Concen: 49.362 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
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VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		235817		
103	66.0	52.8	79.2		

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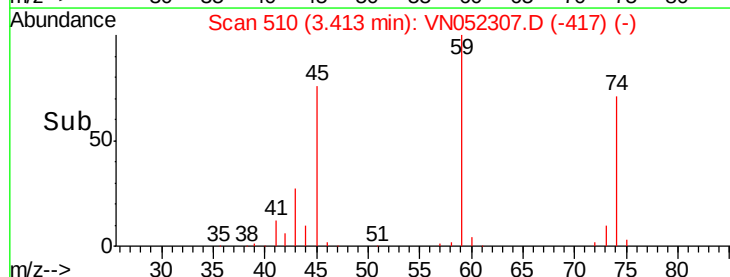
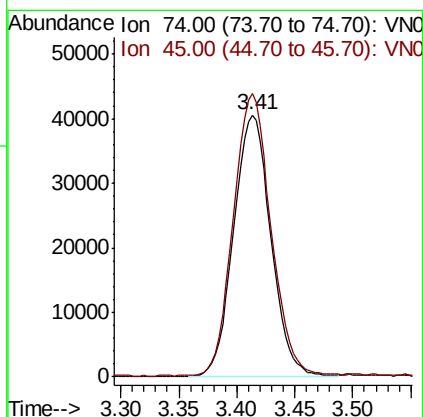
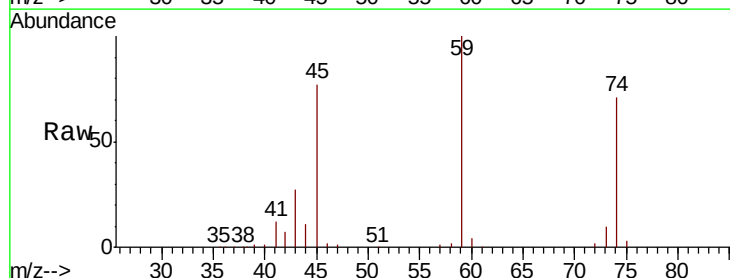
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11/20/2018 2:58:18 PM

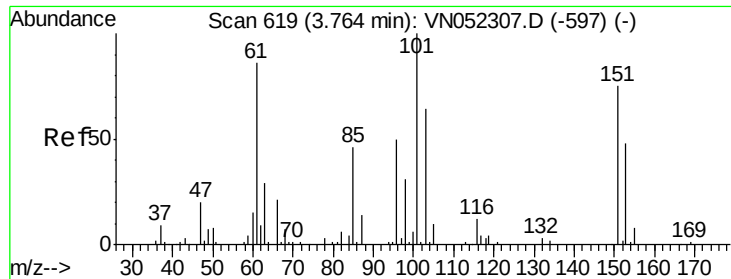


#8

Diethyl Ether
Concen: 49.873 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		90807		
45	108.6	54.3	162.9		





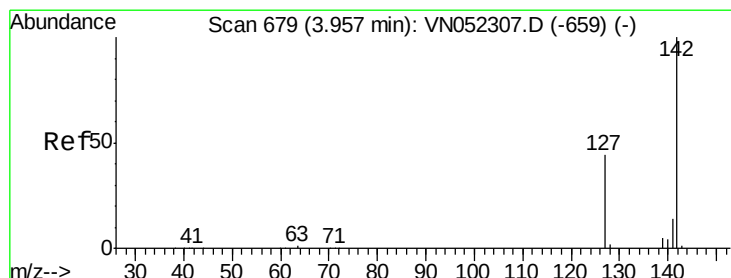
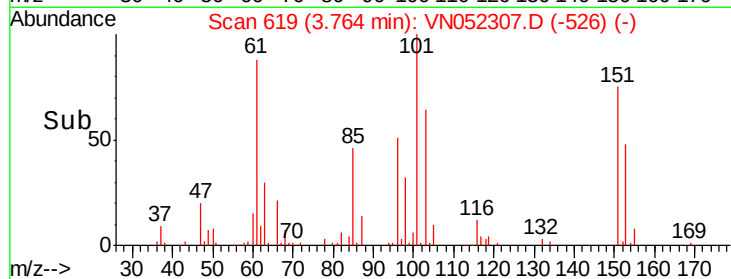
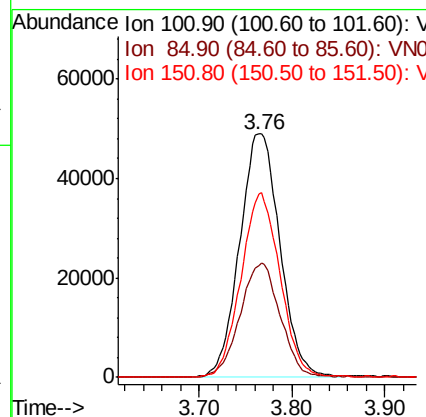
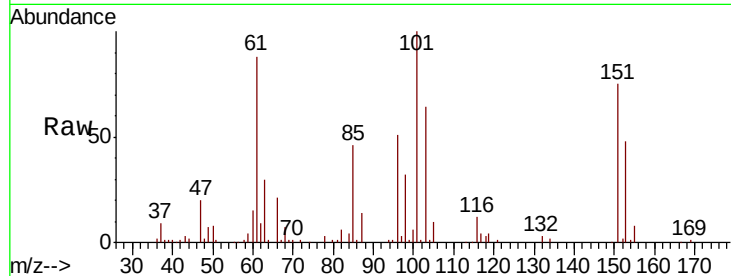
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.986 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN052307.D
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 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.7	37.4	56.0
151	73.3	58.6	88.0

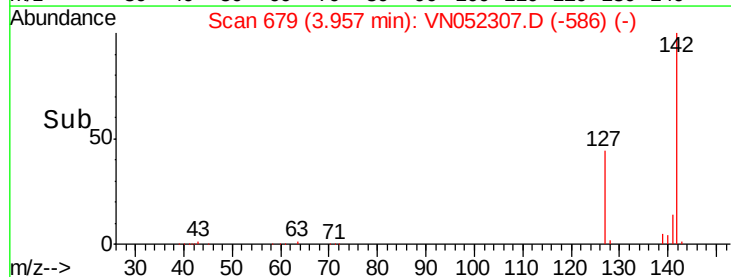
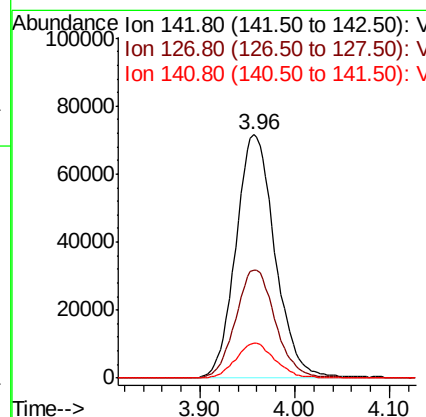
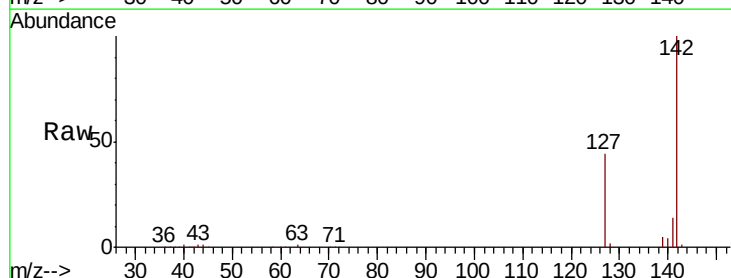
Manual Integrations
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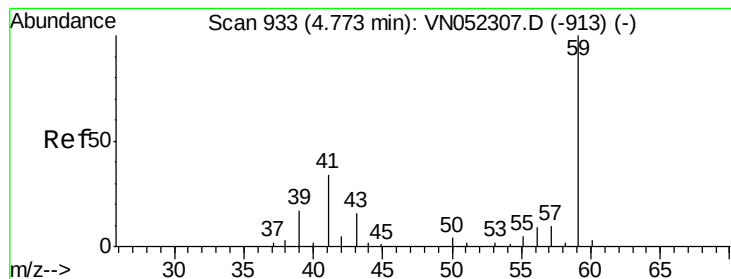
MMDadoda
 11/20/2018 2:58:18 PM



#10
 Methyl Iodide
 Concen: 50.708 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.4	36.3	54.5
141	14.3	11.4	17.2





#11

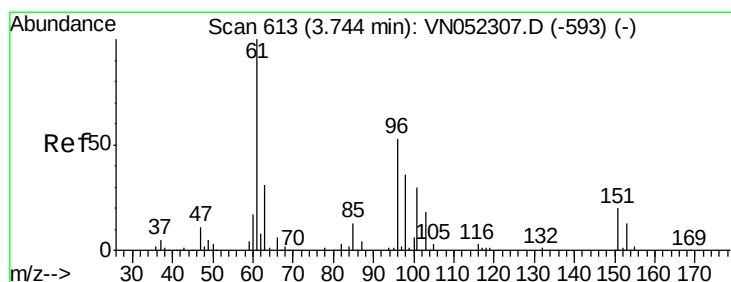
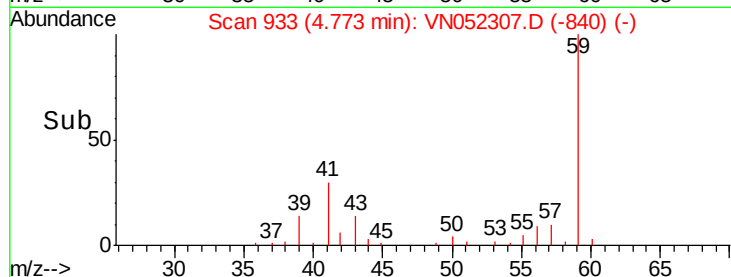
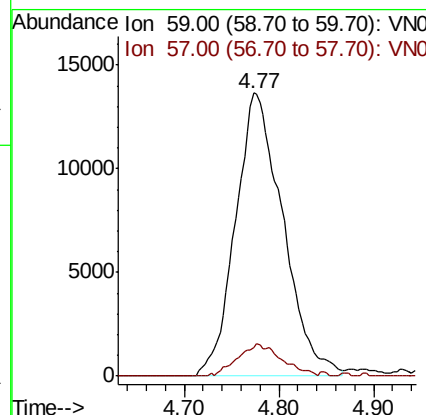
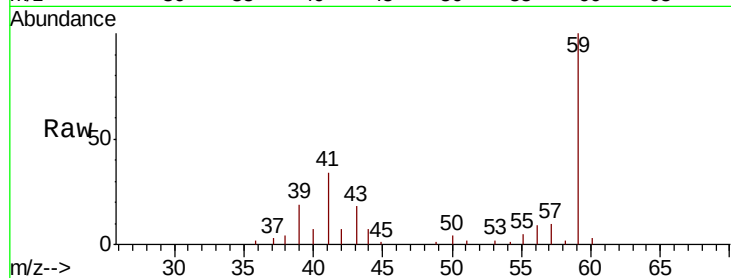
Tert butyl alcohol
 Concen: 233.760 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	59	Resp	47471
Ion Ratio	100	Lower	Upper
57	10.6	8.5	12.7

Manual Integrations
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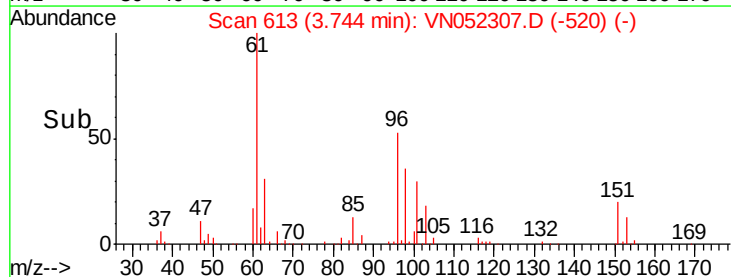
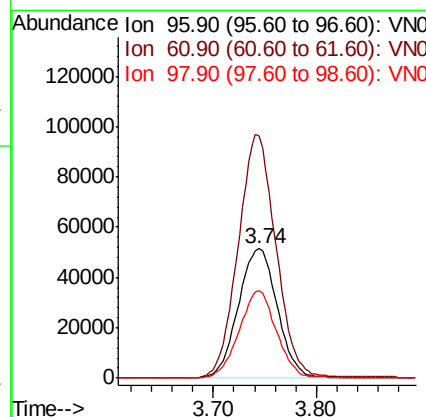
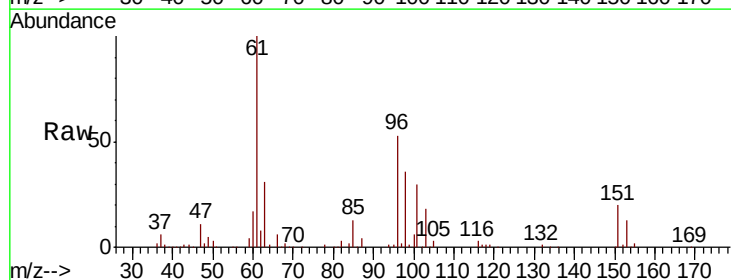
MMDadoda
 11/20/2018 2:58:18 PM

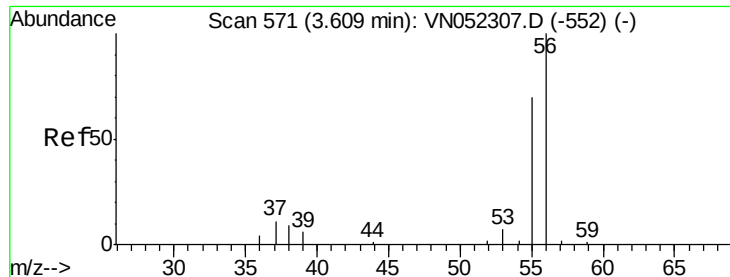


#12

1,1-Dichloroethene
 Concen: 48.534 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Tgt Ion	96	Resp	135500
Ion Ratio	100	Lower	Upper
61	187.0	149.6	224.4
98	67.7	54.2	81.2





#13

Acrolein

Concen: 264.414 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 73866

Ion Ratio Lower Upper

56 100

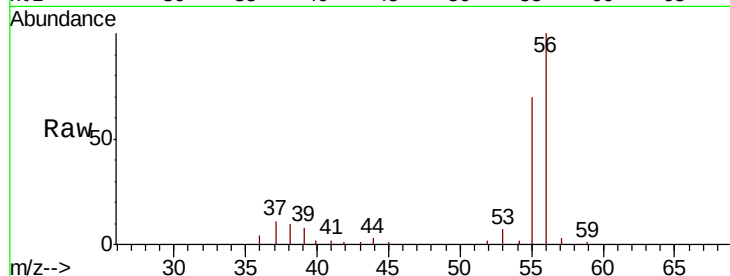
55 72.0 57.6 86.4

Manual Integrations

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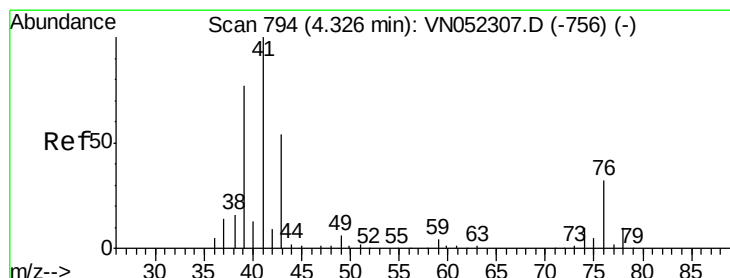
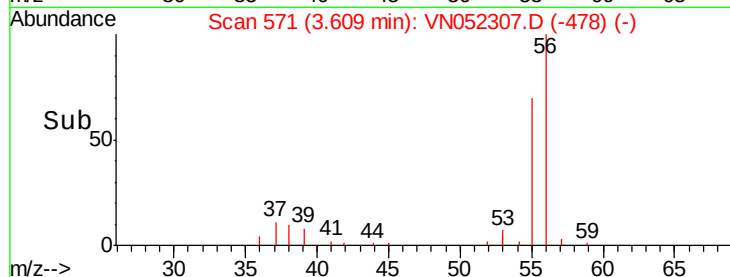
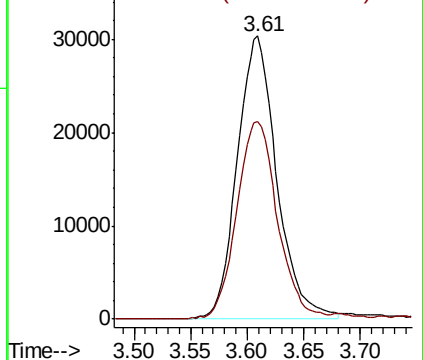
MMDadoda

11/20/2018 2:58:18 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 50.362 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

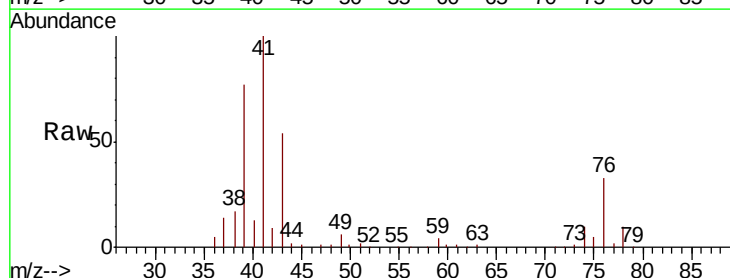
Tgt Ion: 41 Resp: 288710

Ion Ratio Lower Upper

41 100

39 73.9 59.1 88.7

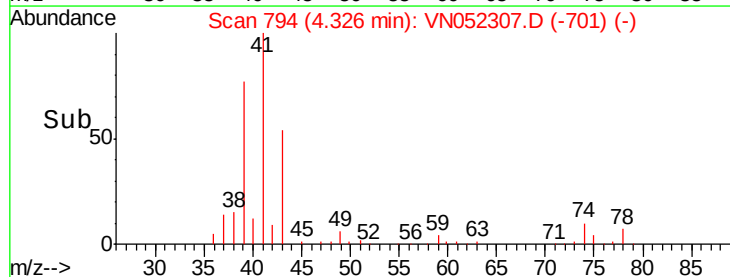
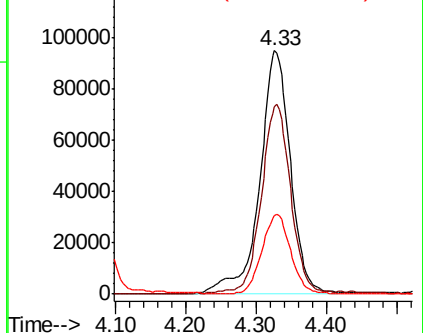
76 30.1 24.1 36.1

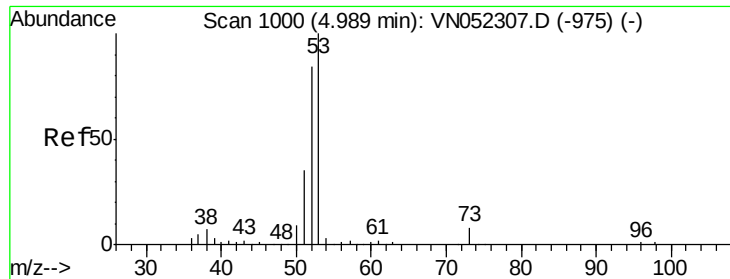


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 248.545 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Instrument :

MSVOA_N

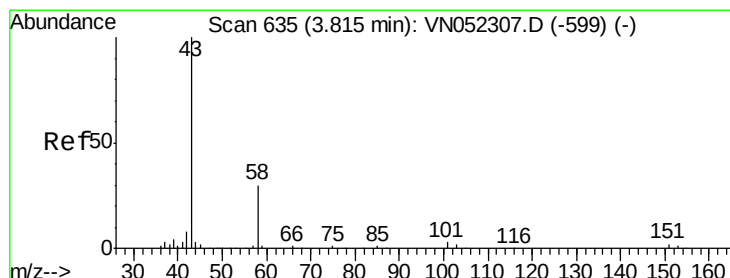
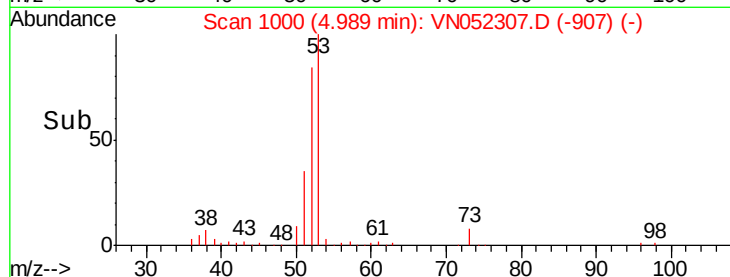
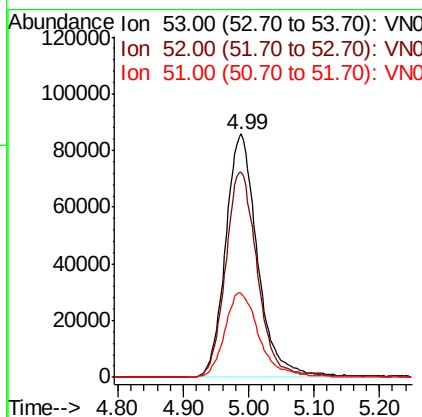
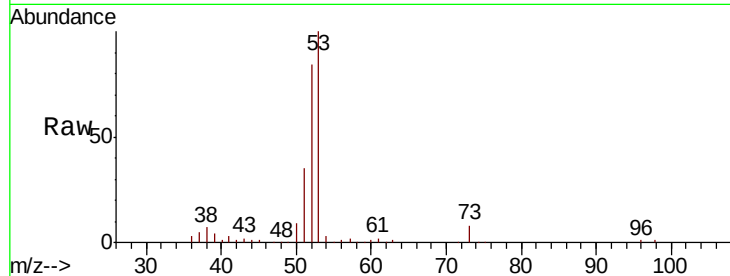
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	291212
Ion	Ratio	Lower	Upper
53	100		
52	84.4	67.5	101.3
51	37.4	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 238.165 ug/l

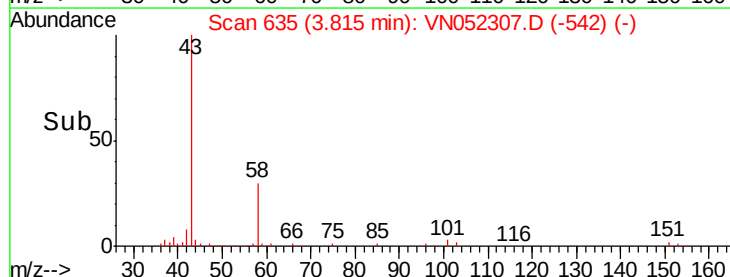
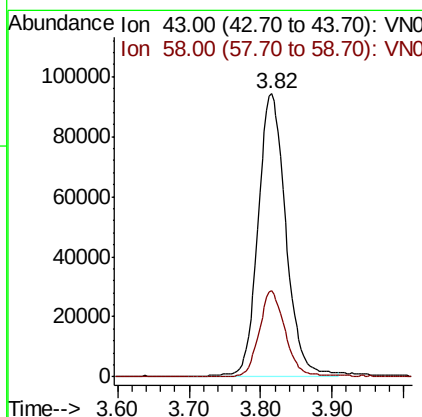
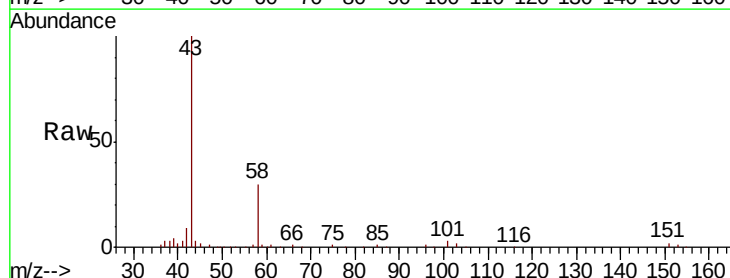
RT: 3.82 min Scan# 635

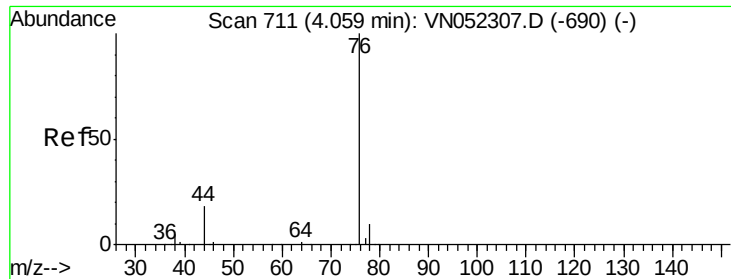
Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Tgt Ion:	43	Resp:	255439
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4





#17

Carbon Disulfide

Concen: 50.293 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 402631

Ion Ratio Lower Upper

76 100

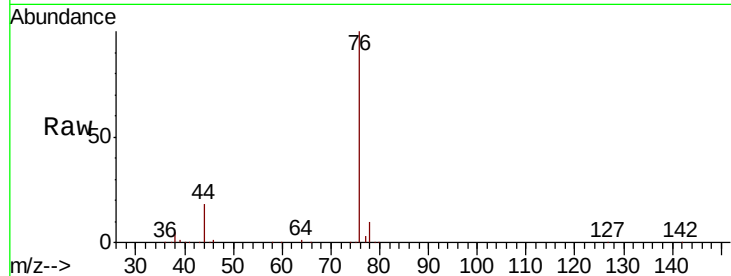
78 9.6 7.7 11.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.06

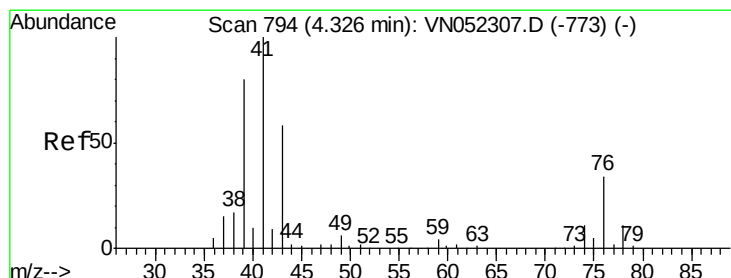
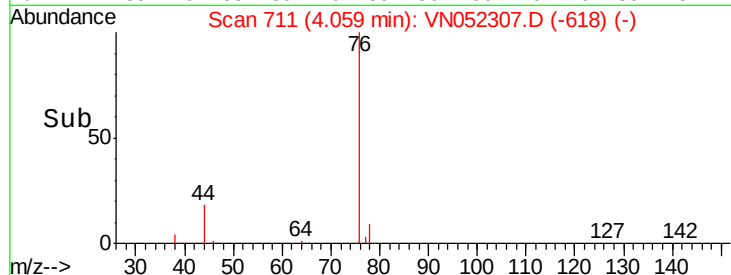
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.139 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052307.D

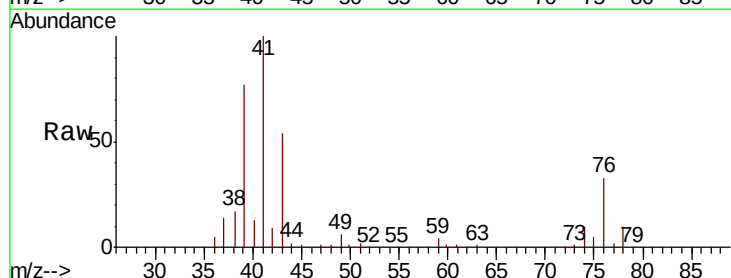
Acq: 14 Nov 2018 11:50

Tgt Ion: 43 Resp: 144282

Ion Ratio Lower Upper

43 100

74 19.9 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

60000

50000

40000

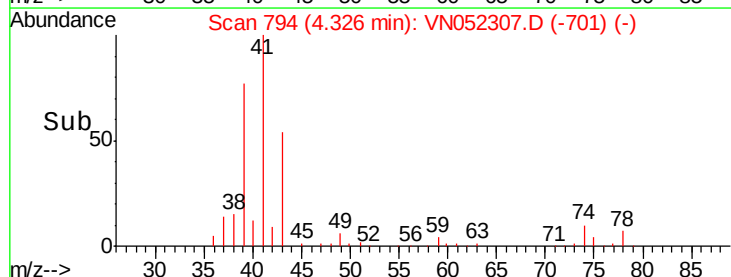
30000

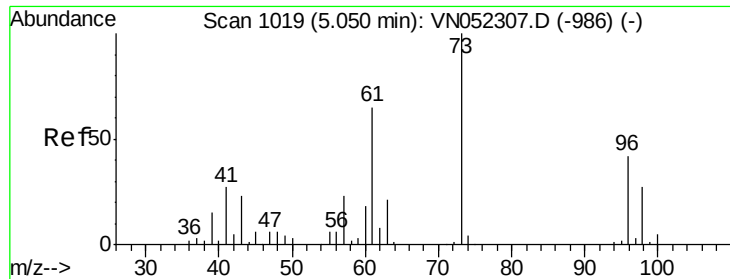
20000

10000

0

Time-->





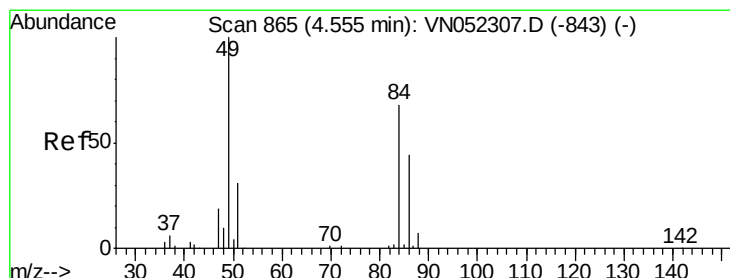
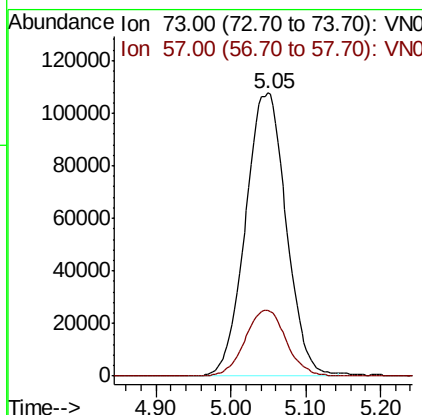
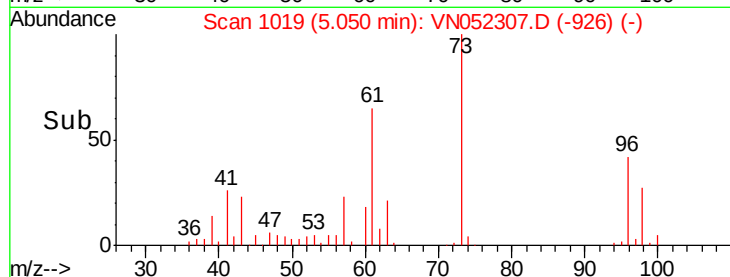
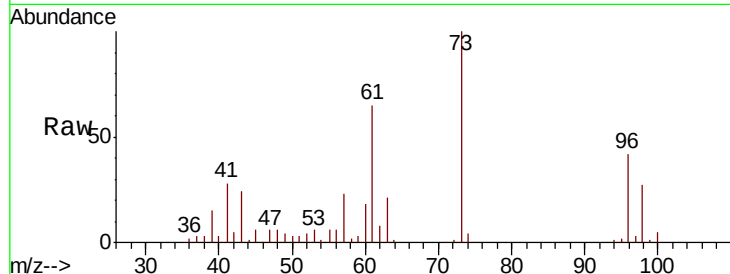
#19
Methyl tert-butyl Ether
Concen: 50.800 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 407576
Ion Ratio Lower Upper
73 100
57 23.4 18.7 28.1

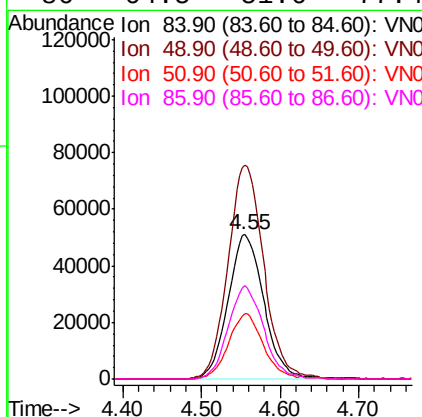
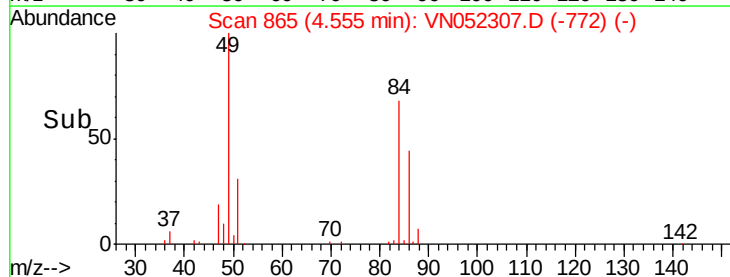
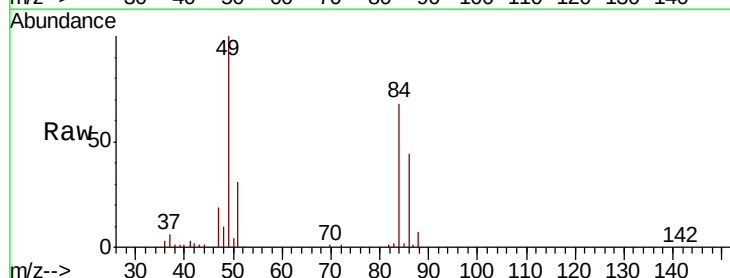
Manual Integrations
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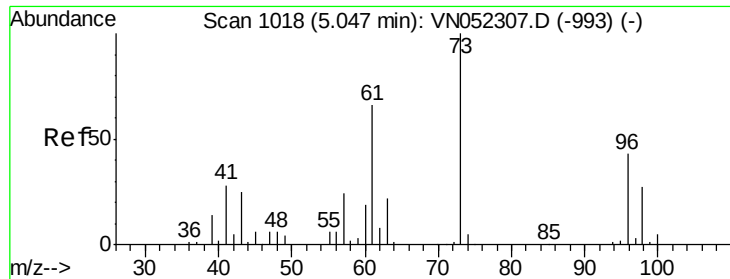
MMDadoda
11/20/2018 2:58:18 PM



#20
Methylene Chloride
Concen: 45.993 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion: 84 Resp: 161478
Ion Ratio Lower Upper
84 100
49 147.7 118.2 177.2
51 45.1 36.1 54.1
86 64.5 51.6 77.4





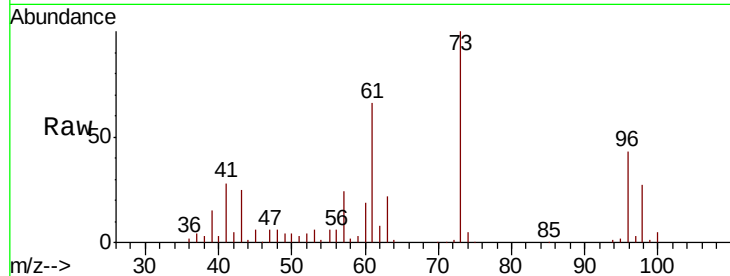
#21
trans-1,2-Dichloroethene
Concen: 50.941 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.5	123.6	185.4
98	63.4	50.7	76.1

Manual Integrations
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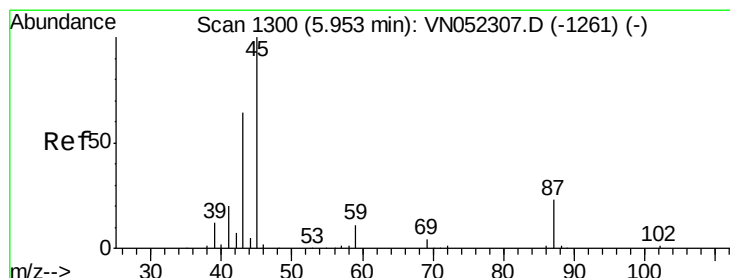
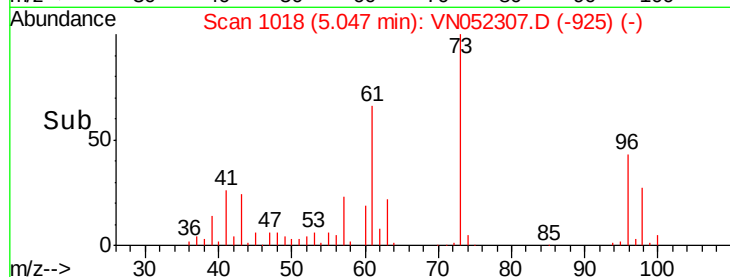
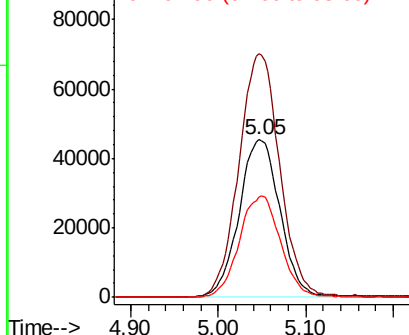


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 50.071 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.3	51.4	77.2
87	23.5	18.8	28.2
59	10.7	8.6	12.8

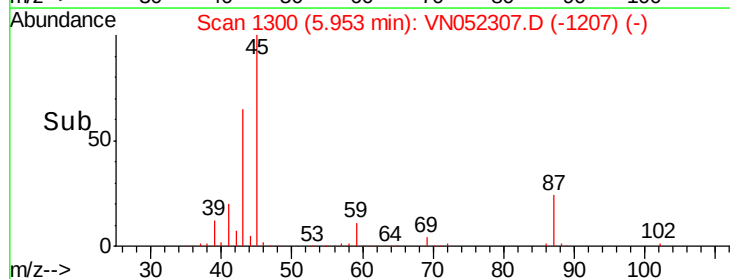
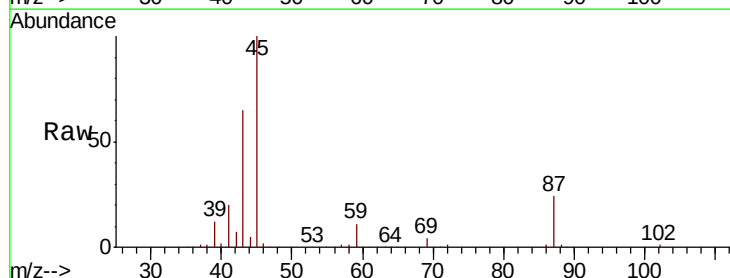
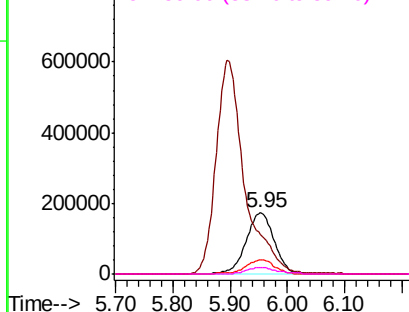
Abundance

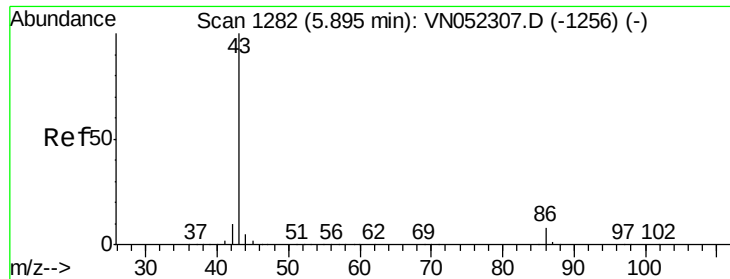
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 264.705 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2100328

Ion Ratio Lower Upper

43 100

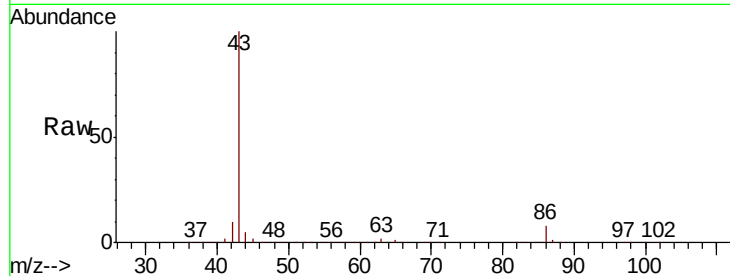
86 8.1 6.5 9.7

Manual Integrations

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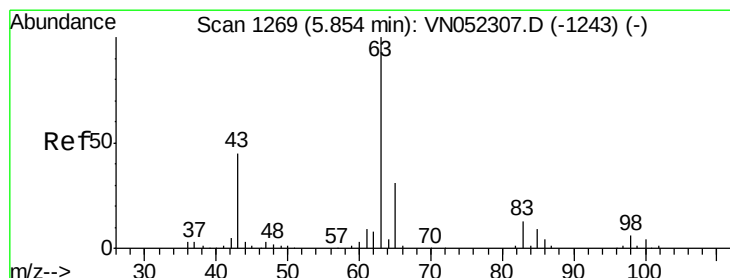
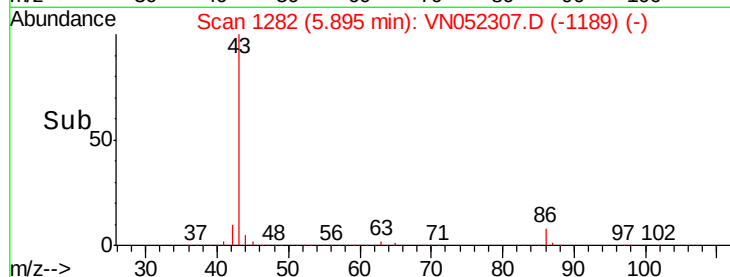
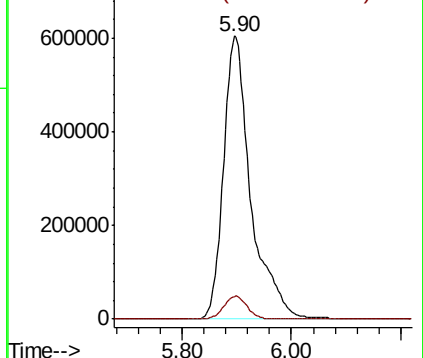
MMDadoda

11/20/2018 2:58:18 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.711 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

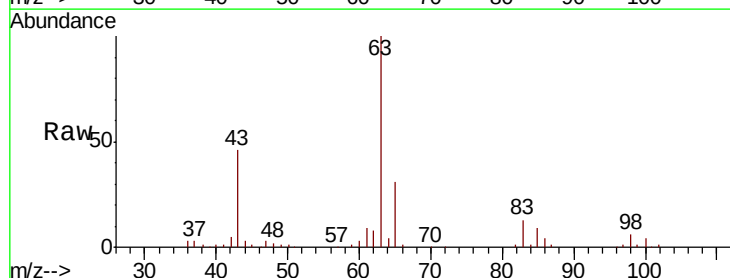
Tgt Ion: 63 Resp: 305515

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

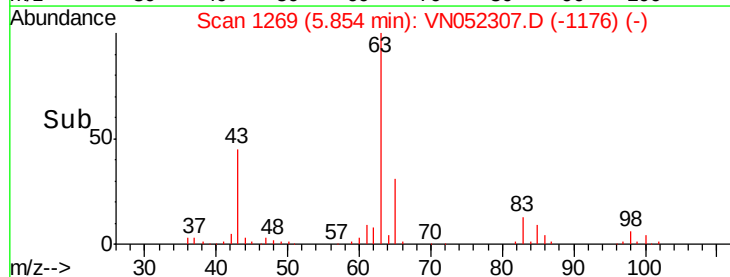
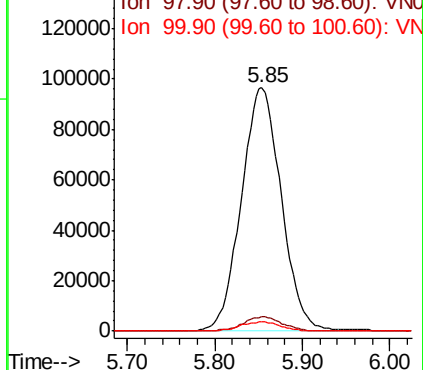
100 3.8 1.9 5.7

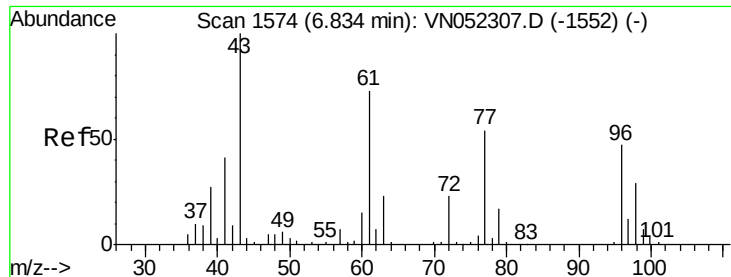


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





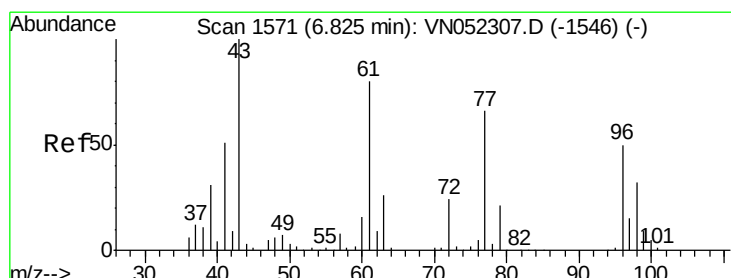
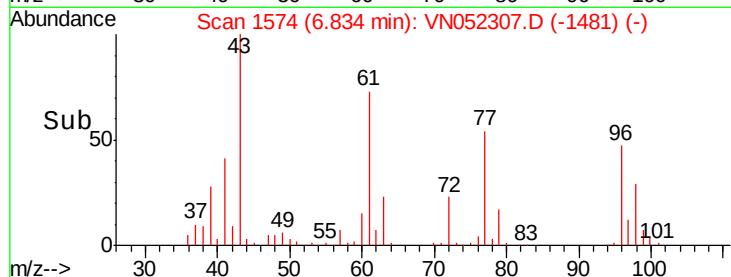
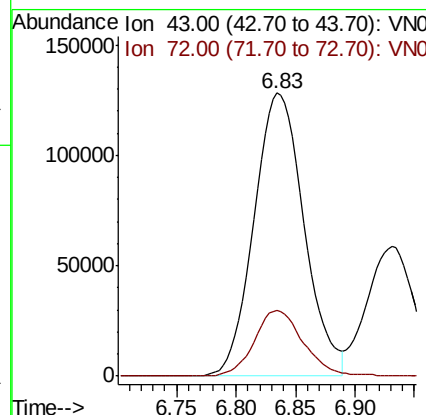
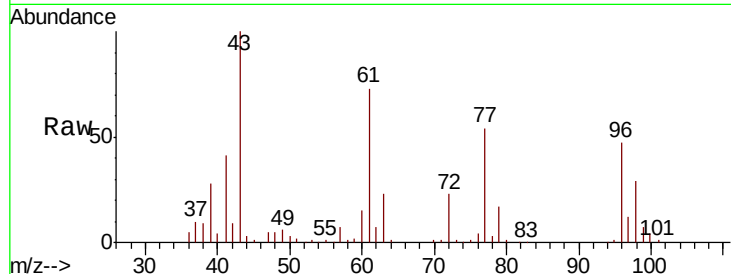
#25
2-Butanone
Concen: 250.839 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 372375
Ion Ratio Lower Upper
43 100
72 23.2 18.6 27.8

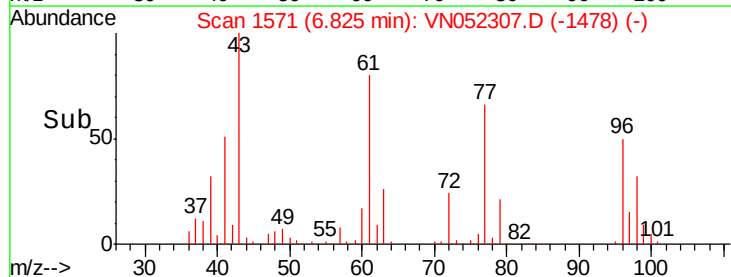
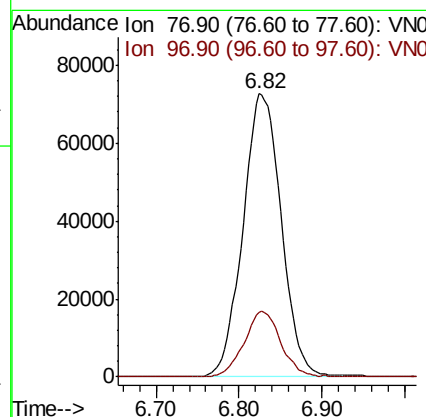
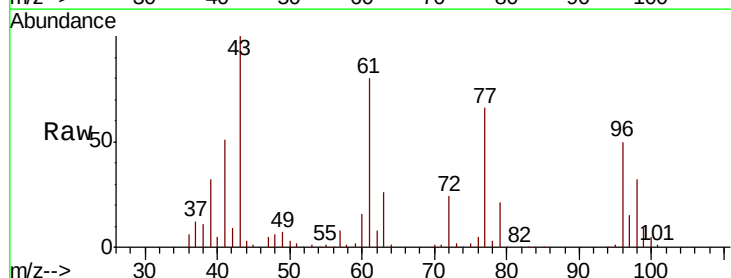
Manual Integrations
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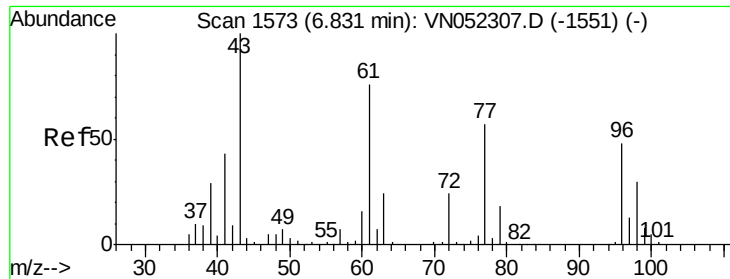
MMDadoda
11/20/2018 2:58:18 PM



#26
2,2-Dichloropropane
Concen: 50.524 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion: 77 Resp: 233010
Ion Ratio Lower Upper
77 100
97 22.1 11.1 33.1





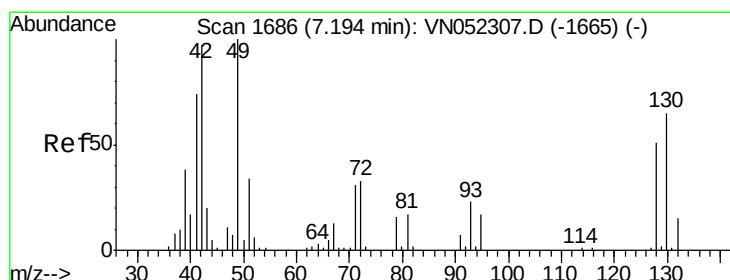
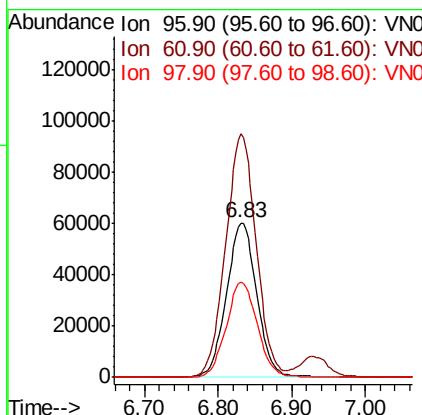
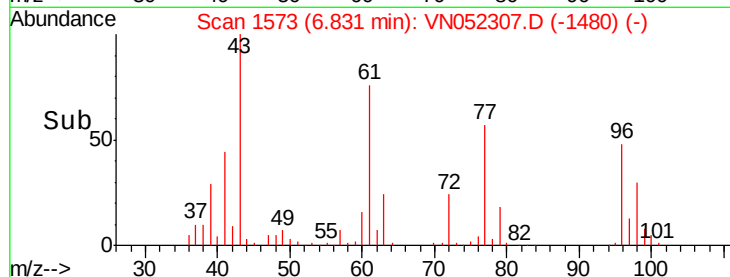
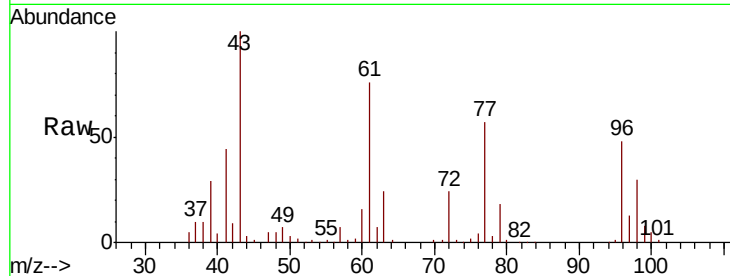
#27
 cis-1,2-Dichloroethene
 Concen: 49.309 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	172541		
61	158.4	0.0	316.8	
98	63.3	0.0	126.6	

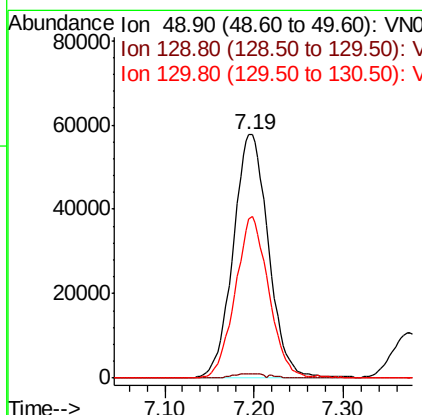
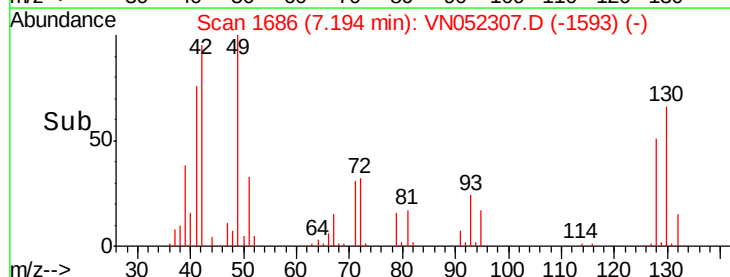
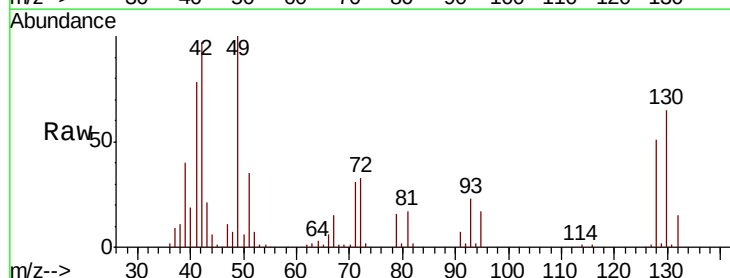
Manual Integrations
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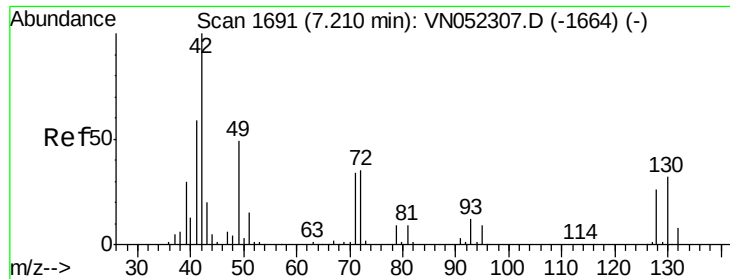
MMDadoda
 11/20/2018 2:58:18 PM



#28
 Bromochloromethane
 Concen: 49.156 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	158524		
129	1.5	0.0	3.0	
130	63.0	50.4	75.6	





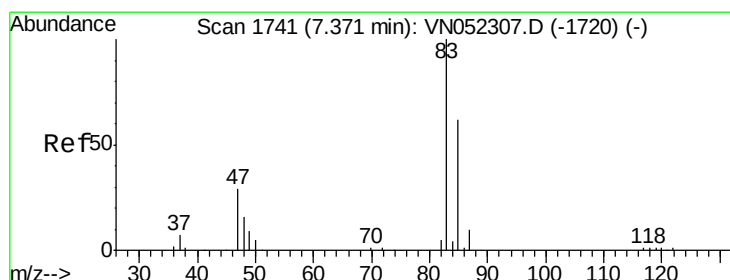
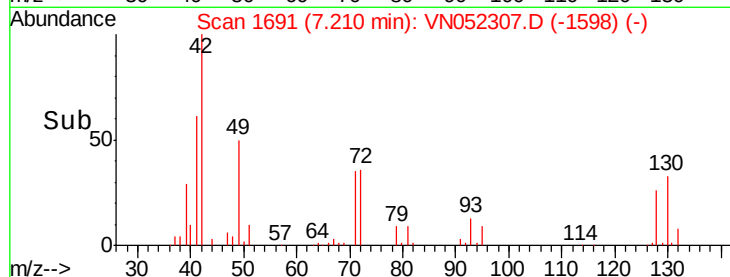
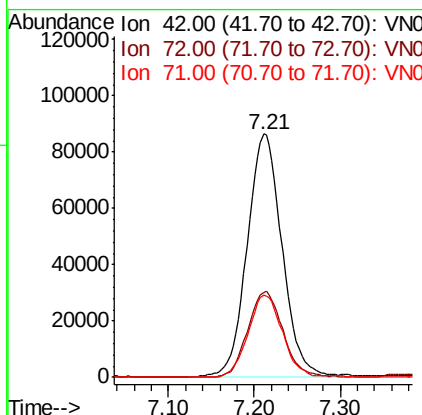
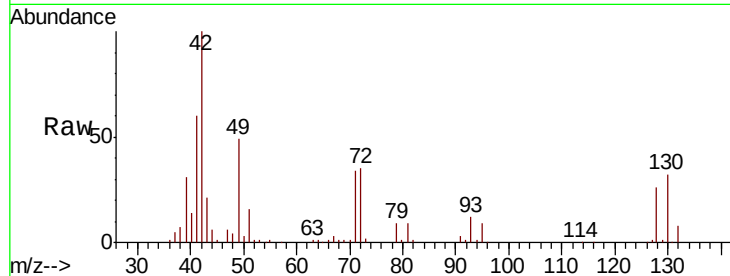
#29
Tetrahydrofuran
Concen: 247.190 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	28.6	42.8
71	33.4	26.7	40.1

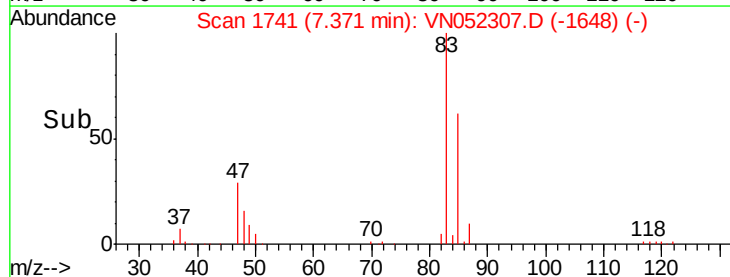
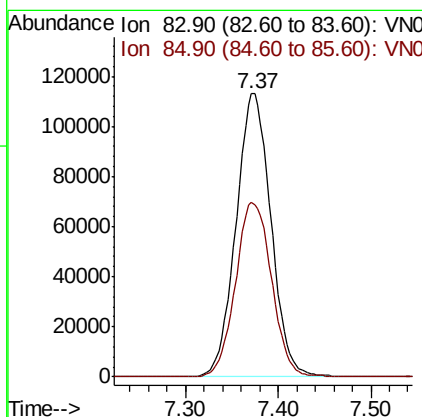
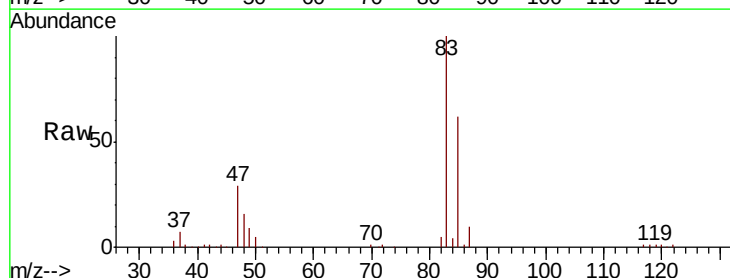
Manual Integrations
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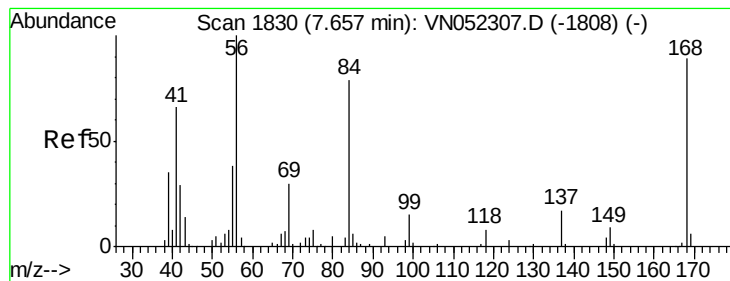
MMDadoda
11/20/2018 2:58:18 PM



#30
Chloroform
Concen: 49.572 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	49.4	74.2





#31

Cyclohexane

Concen: 39.638 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 288218

Ion Ratio Lower Upper

56 100

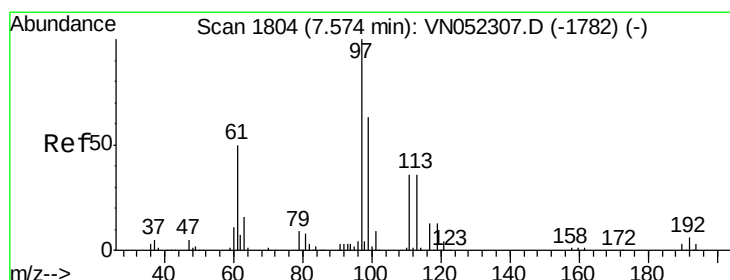
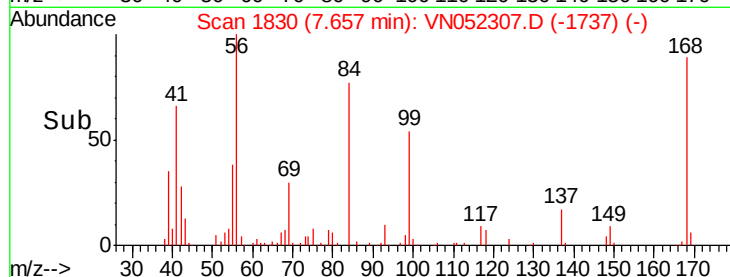
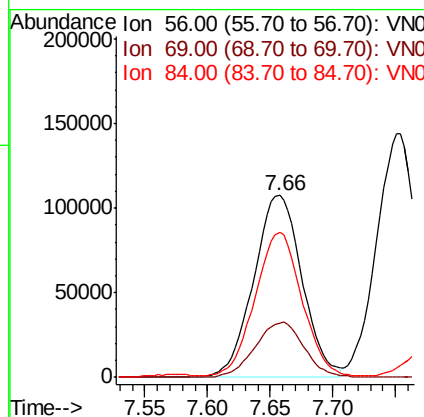
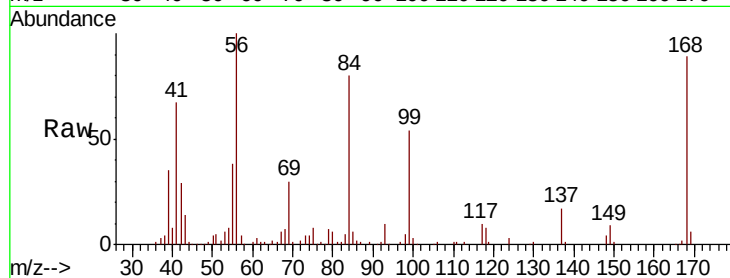
69 29.8 23.8 35.8

84 78.8 63.0 94.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.294 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

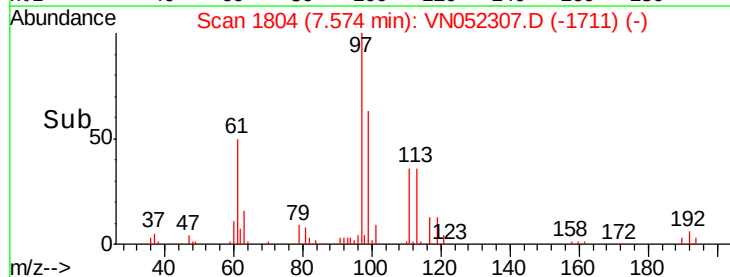
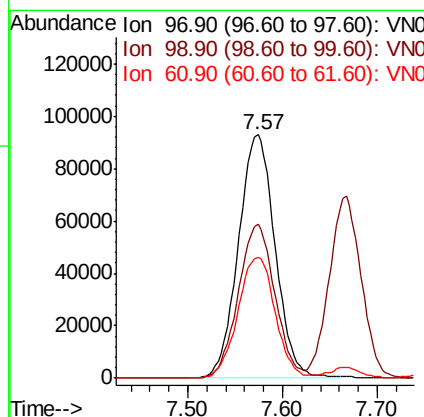
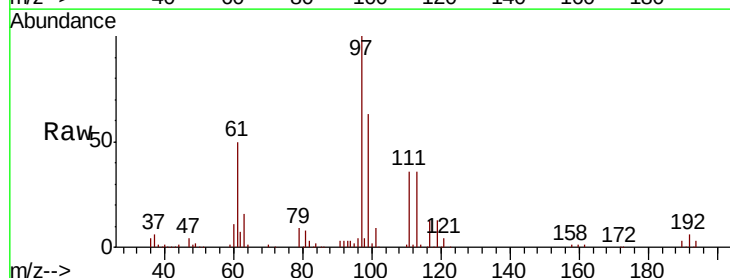
Tgt Ion: 97 Resp: 250996

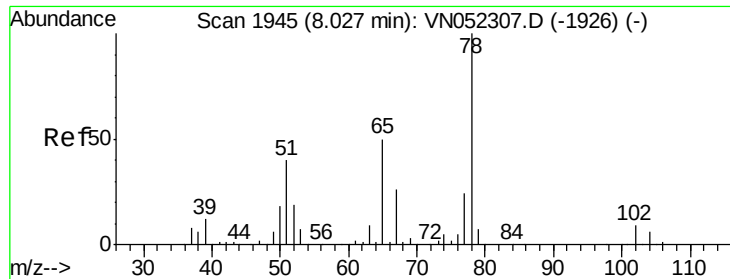
Ion Ratio Lower Upper

97 100

99 62.7 50.2 75.2

61 50.3 40.2 60.4





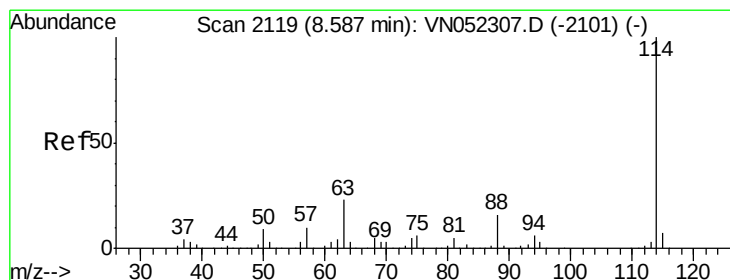
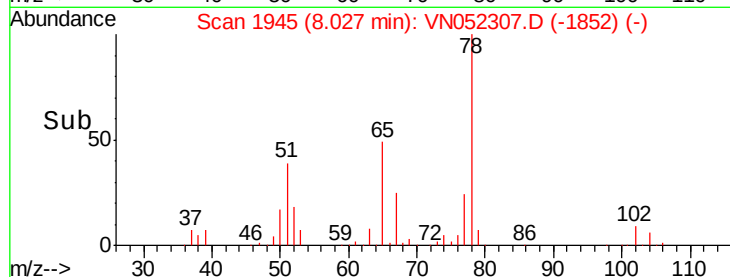
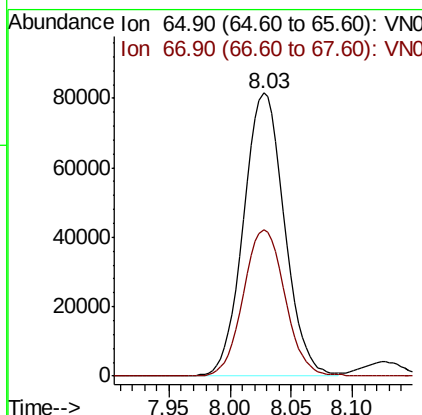
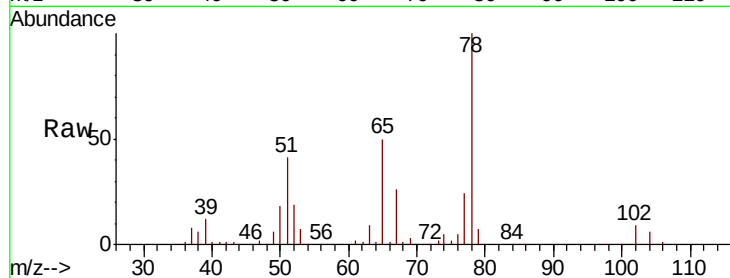
#33
 1,2-Dichloroethane-d4
 Concen: 49.294 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	189446		
67	52.6	0.0	105.2	

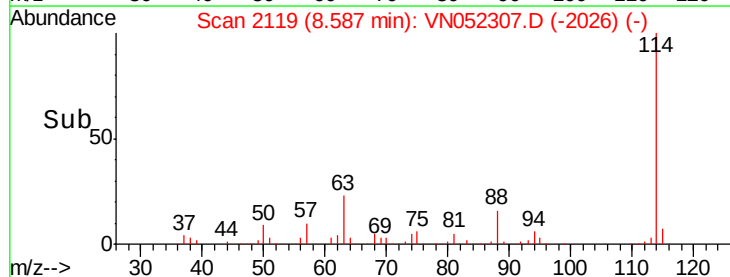
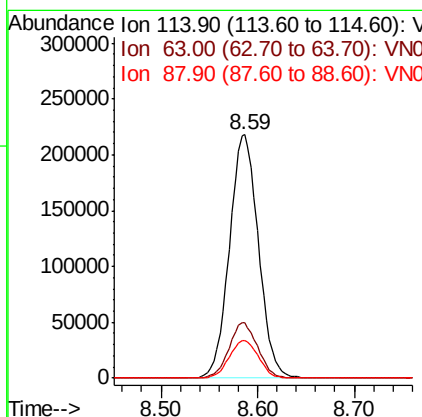
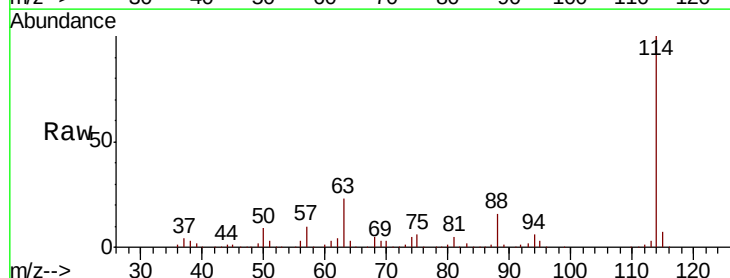
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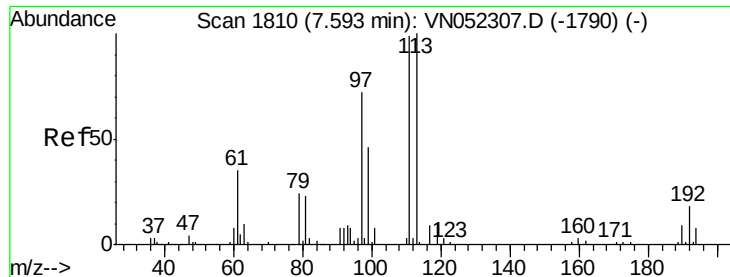
MMDadoda
 11/20/2018 2:58:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	453099		
63	22.7	0.0	45.4	
88	15.6	0.0	31.2	





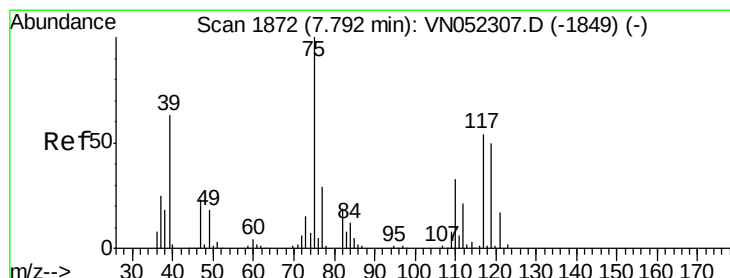
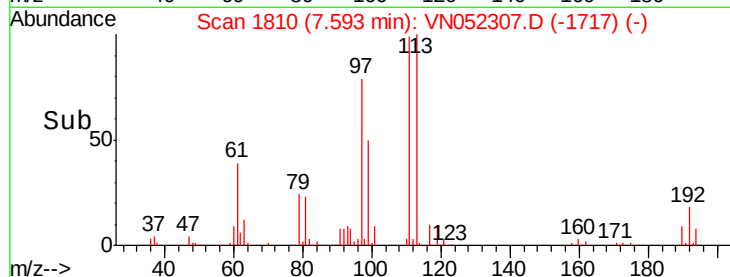
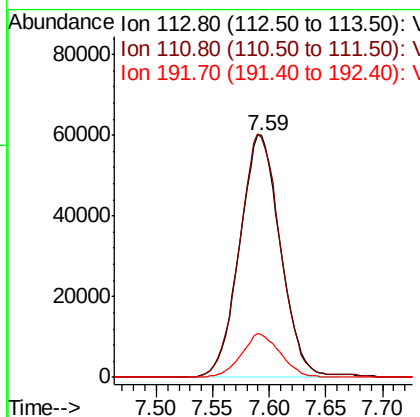
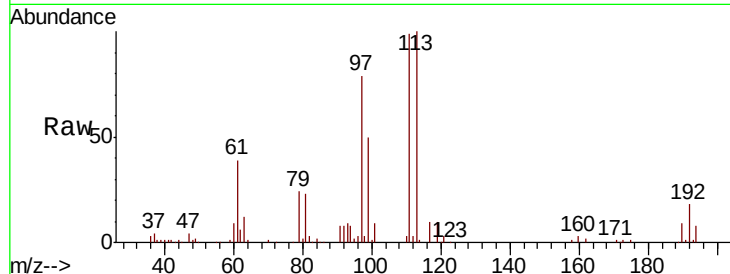
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	150381		
111	101.3	81.0	121.6	
192	17.2	13.8	20.6	

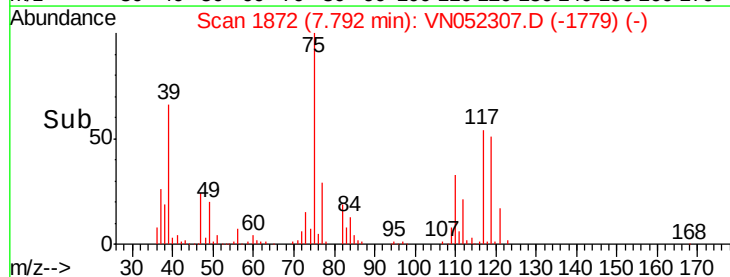
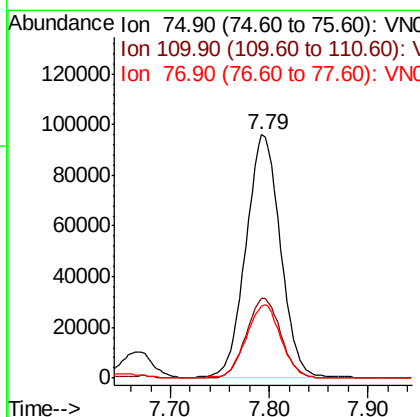
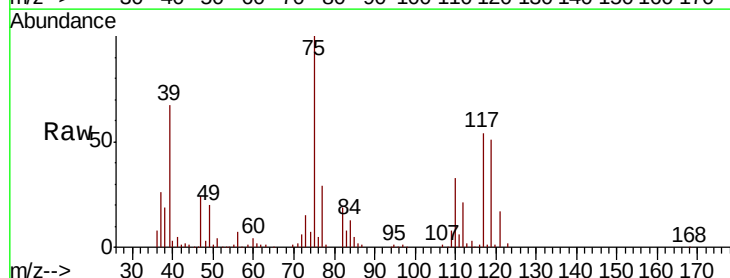
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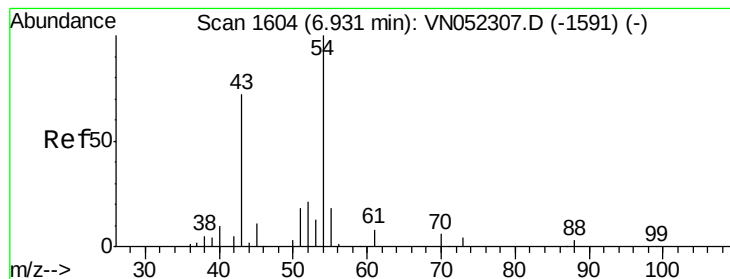
MMDadoda
 11/20/2018 2:58:18 PM



#36
 1,1-Dichloropropene
 Concen: 50.677 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	230146		
110	33.0	16.5	49.5	
77	30.2	24.2	36.2	





#37

Ethyl Acetate

Concen: 49.441 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 171557

Ion Ratio Lower Upper

43 100

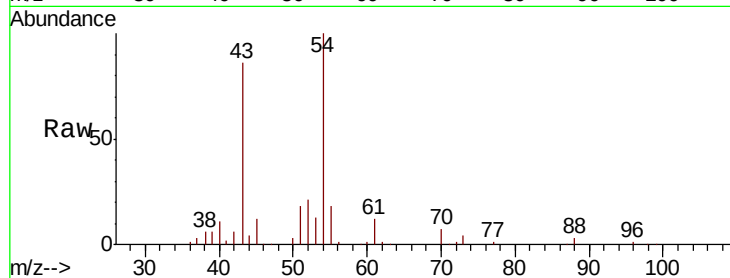
61 12.9 10.3 15.5

70 7.0 5.6 8.4

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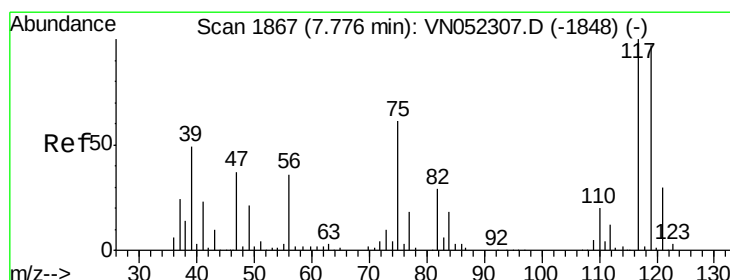
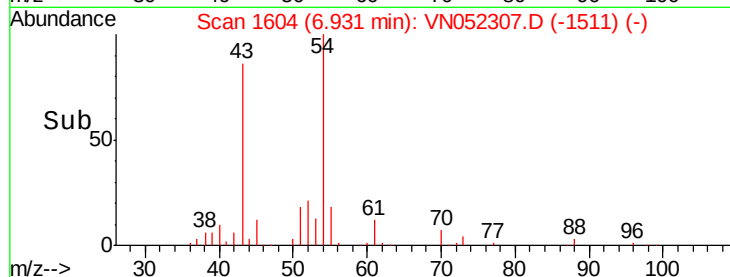


Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1591) (-)

Ion 60.90 (60.60 to 61.60): VN052307.D (-1591) (-)

Ion 70.00 (69.70 to 70.70): VN052307.D (-1591) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 52.382 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

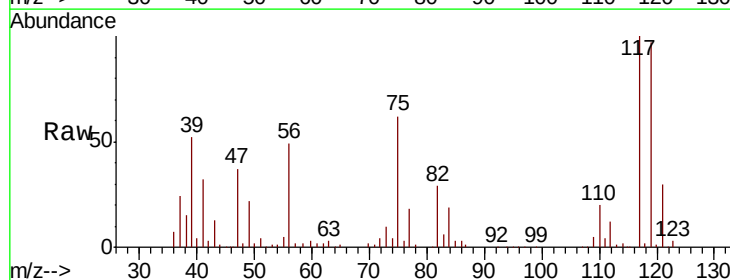
Tgt Ion: 117 Resp: 218553

Ion Ratio Lower Upper

117 100

119 96.7 77.4 116.0

121 30.0 24.0 36.0

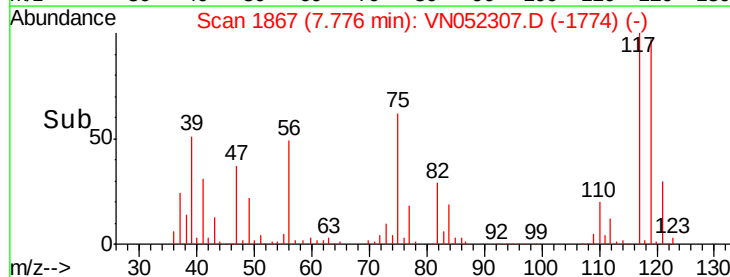


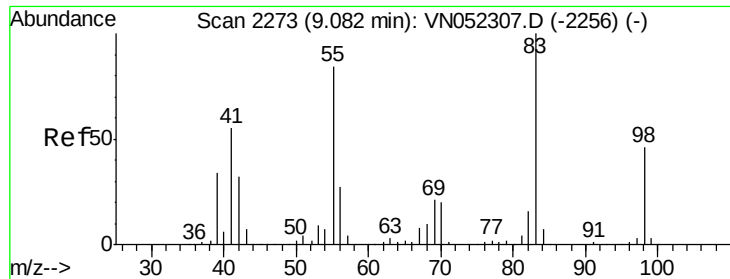
Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN052307.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN052307.D (-1848) (-)

Time-->





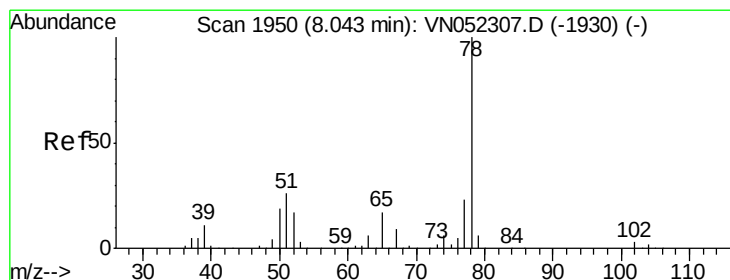
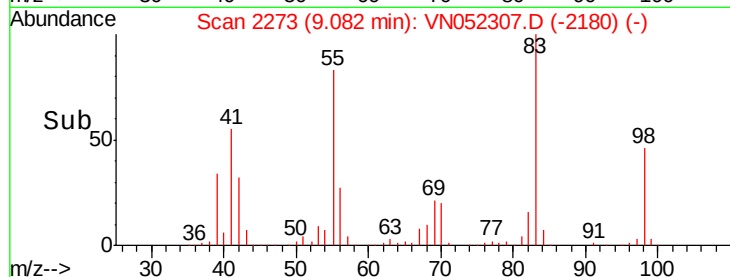
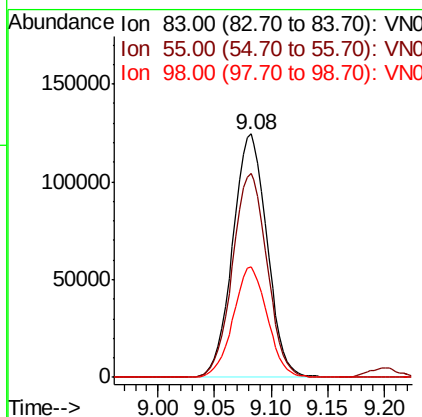
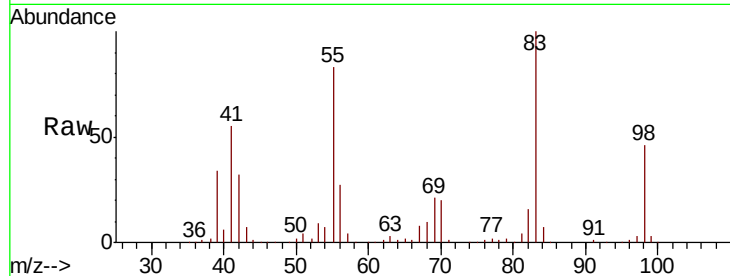
#39
Methylvlcyclohexane
Concen: 50.753 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83.00	Resp	263123
Ion Ratio	Lower	Upper	
83	100		
55	83.5	66.8	100.2
98	45.5	36.4	54.6

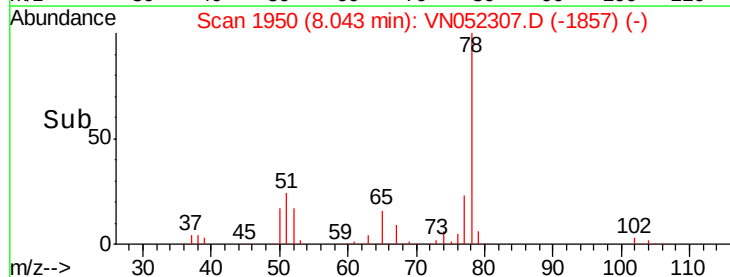
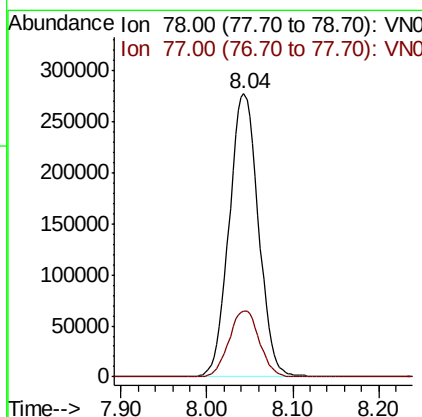
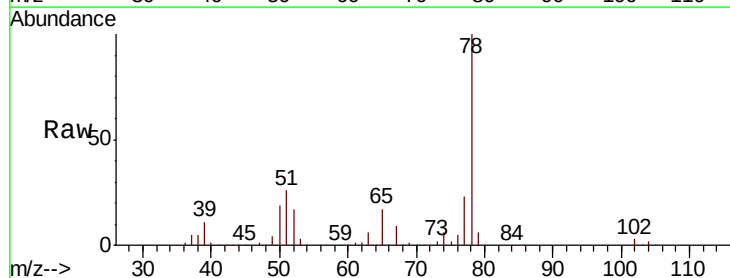
Manual Integrations
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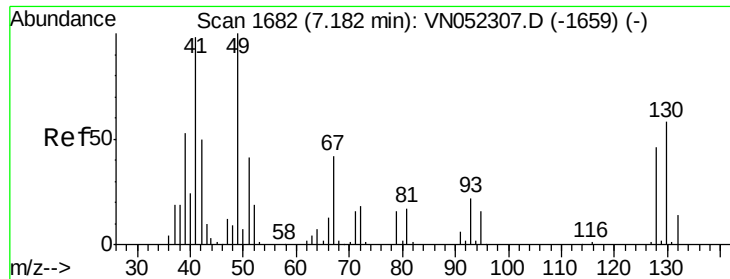
MMDadoda
11/20/2018 2:58:18 PM



#40
Benzene
Concen: 50.633 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion	78.00	Resp	656900
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.7	28.1





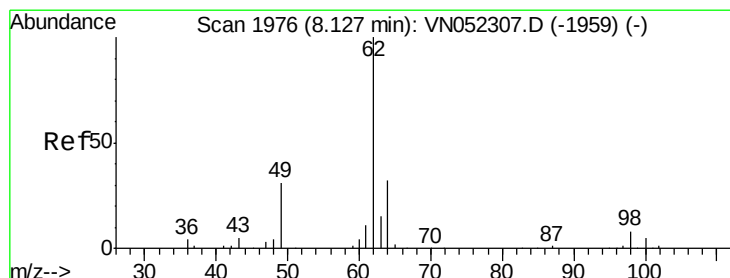
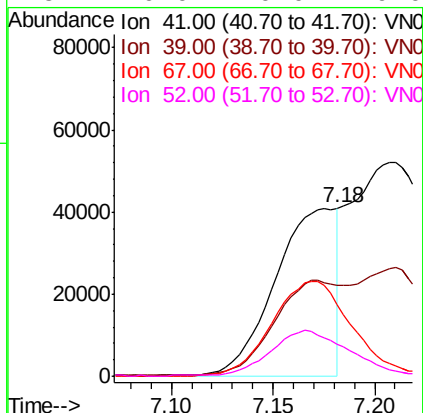
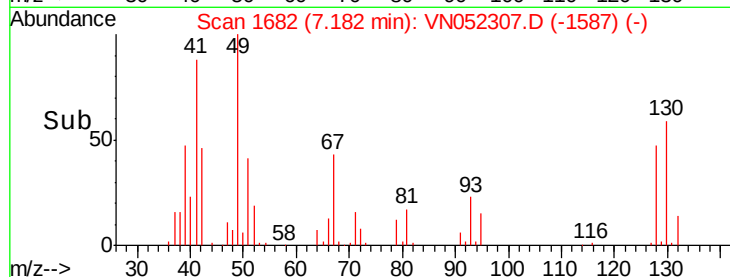
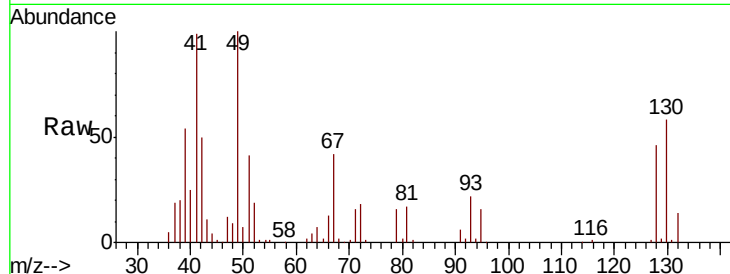
#41
Methacrylonitrile
Concen: 46.500 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

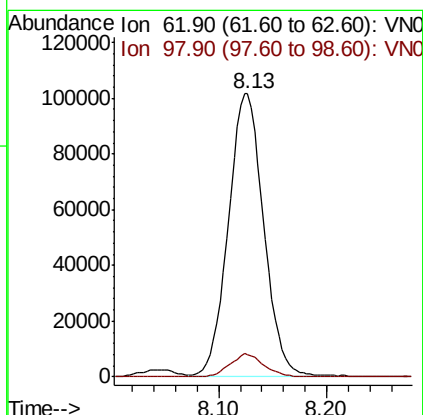
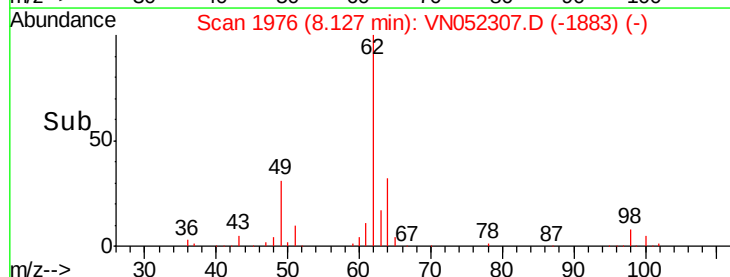
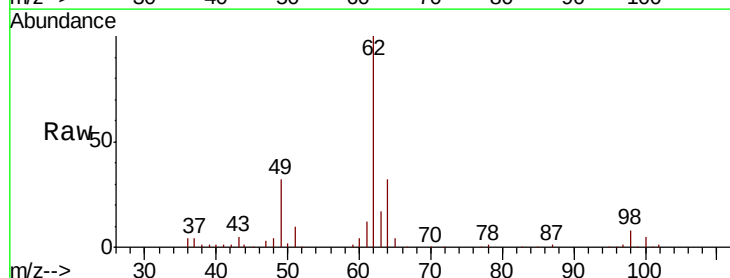
Manual Integrations
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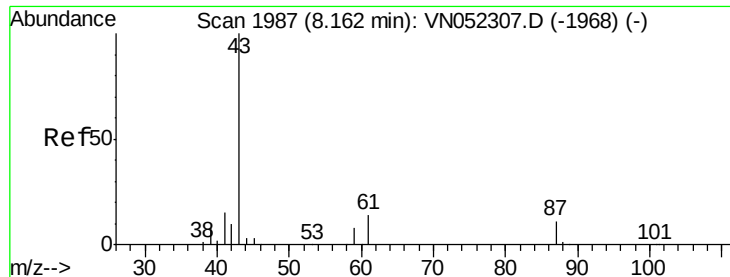
MMDadoda
11/20/2018 2:58:18 PM



#42
1,2-Dichloroethane
Concen: 49.840 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.6





#43

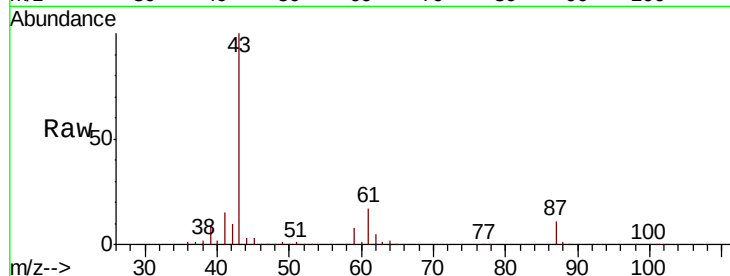
Isopropyl Acetate
 Concen: 48.741 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

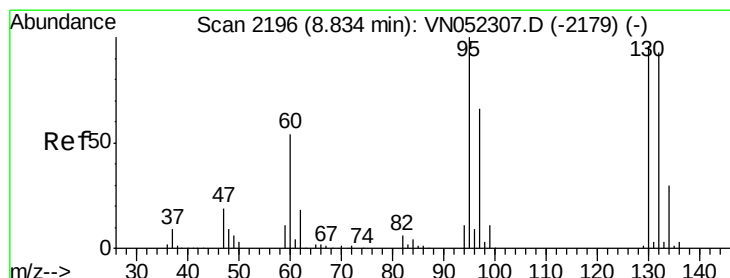
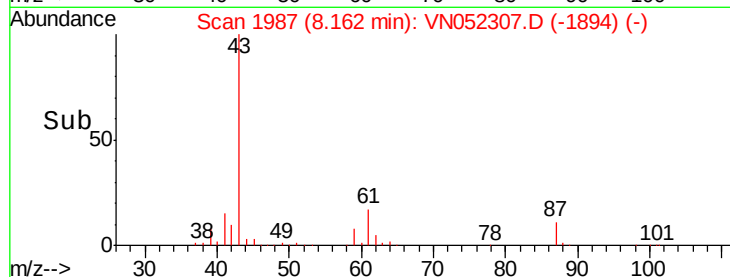
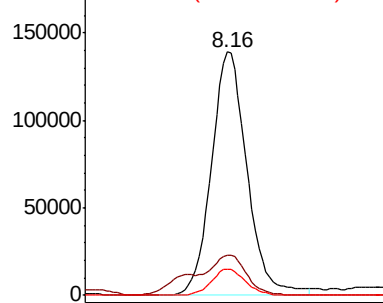
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.0	18.0
87	10.4	8.3	12.5

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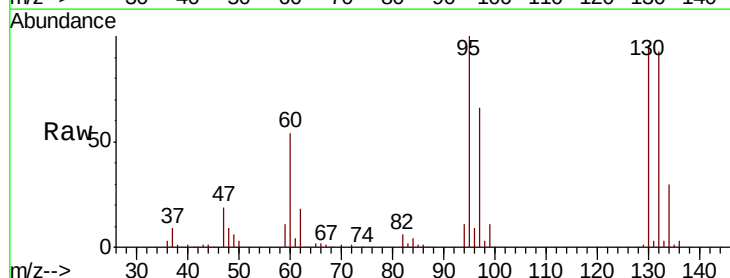
Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1968) (-)



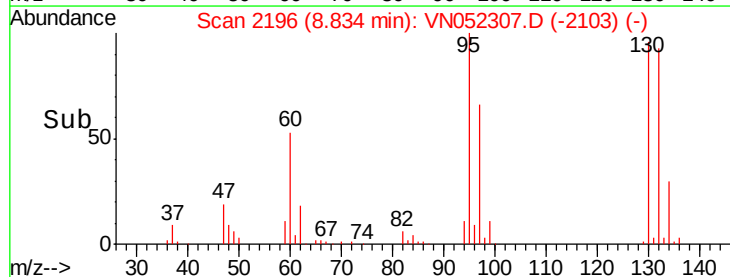
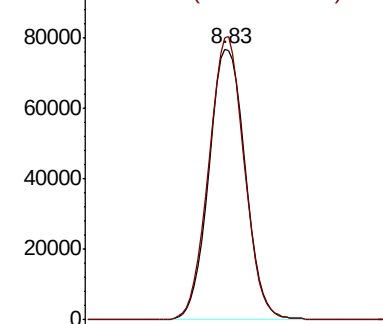
#44

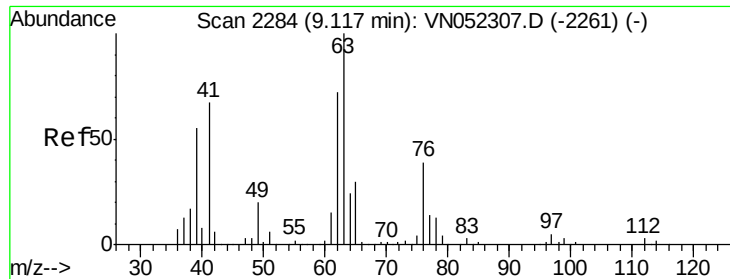
Trichloroethene
 Concen: 51.114 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	208.4



Abundance Ion 129.80 (129.50 to 130.50): VN052307.D (-2179) (-)





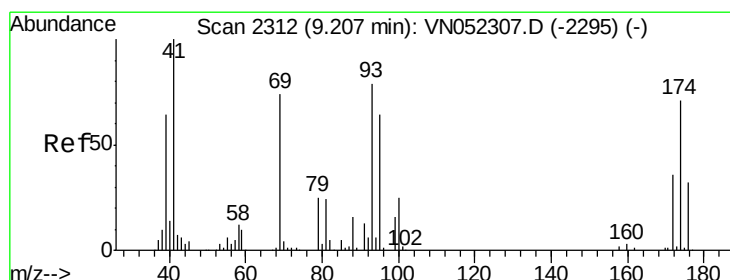
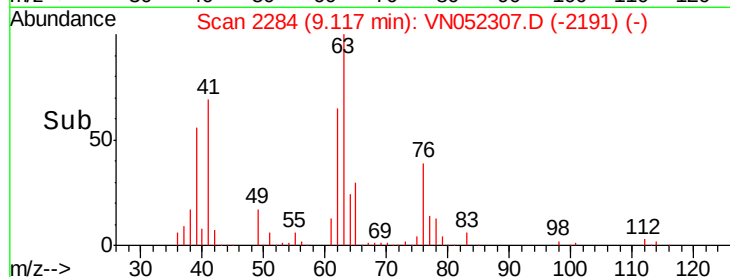
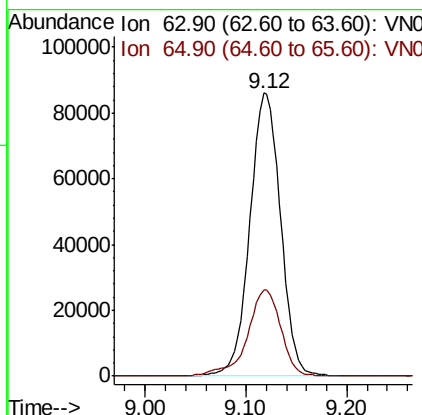
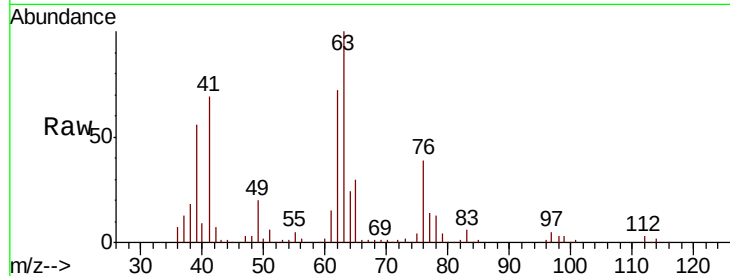
#45
 1,2-Dichloropropane
 Concen: 49.217 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.2	36.4

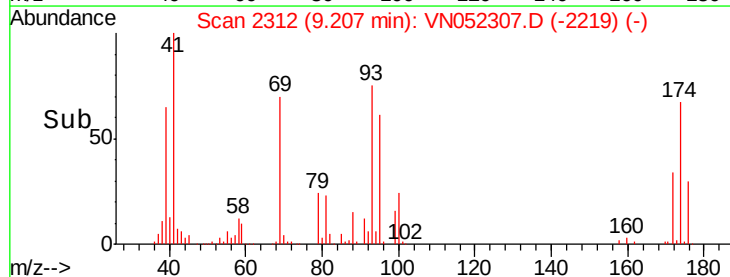
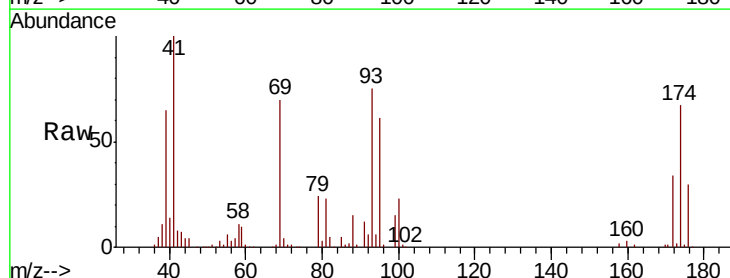
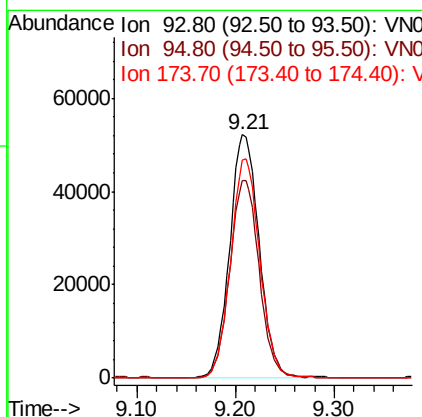
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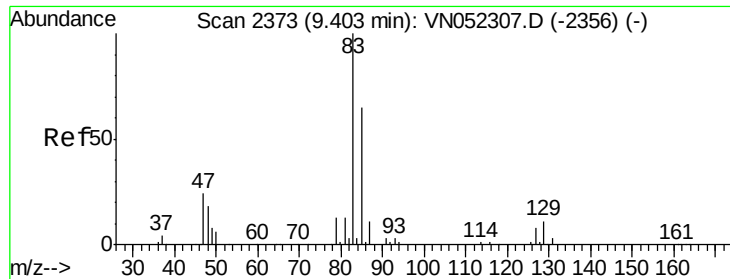
MMDadoda
 11/20/2018 2:58:18 PM



#46
 Dibromomethane
 Concen: 51.242 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.2	64.2	96.2
174	88.6	70.9	106.3





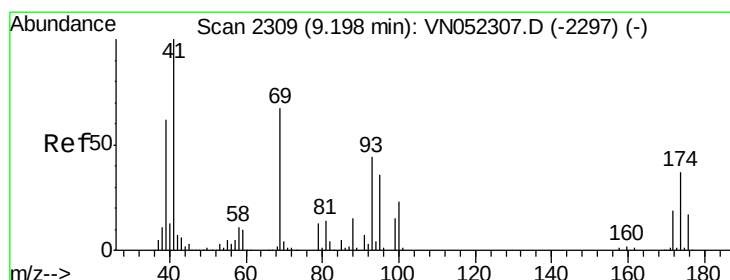
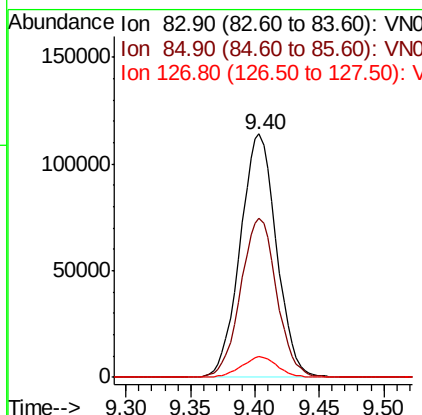
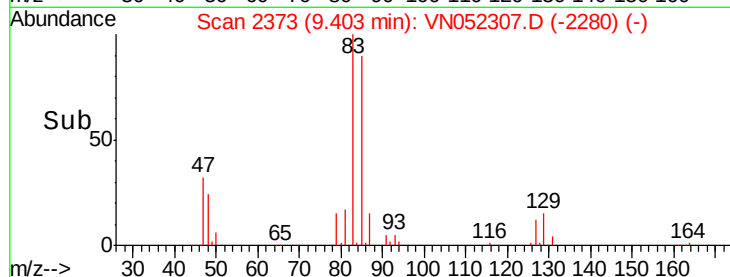
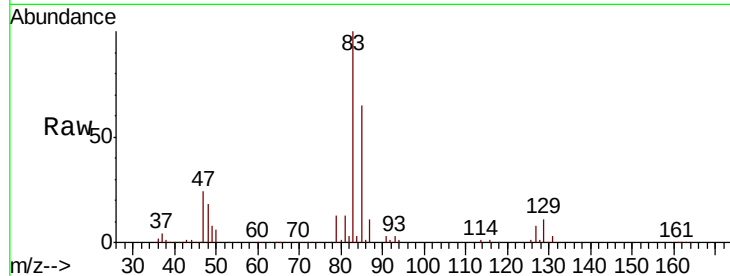
#47
Bromodichloromethane
Concen: 51.129 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	223635		
85	65.3		52.2	78.4
127	8.4		6.7	10.1

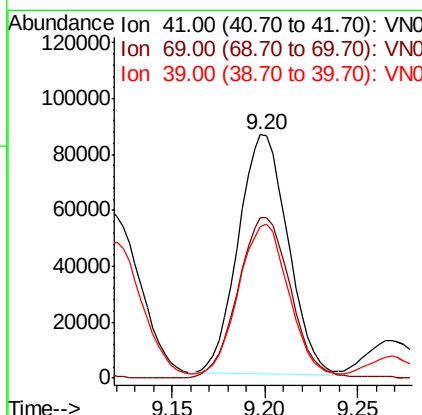
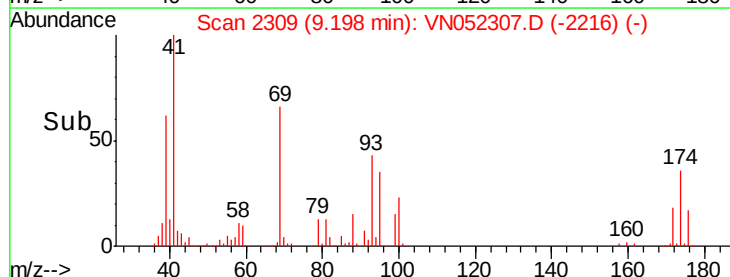
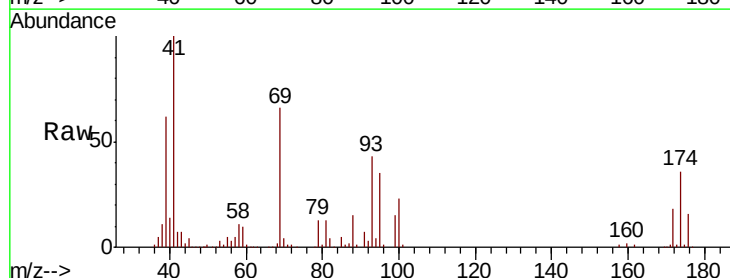
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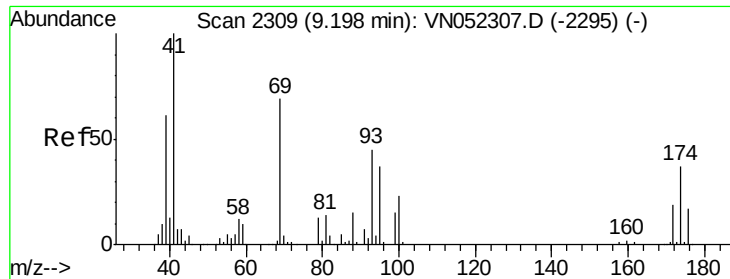
MMDadoda
11/20/2018 2:58:18 PM



#48
Methyl methacrylate
Concen: 49.137 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	158573		
69	71.4		57.1	85.7
39	65.6		52.5	78.7





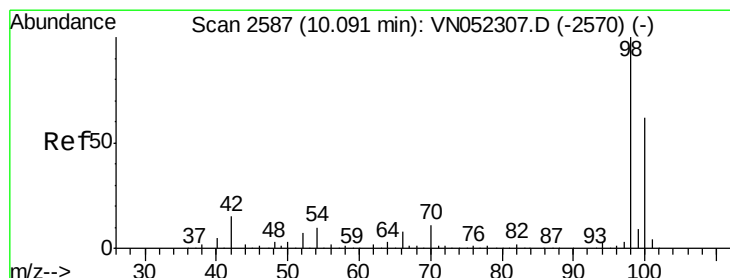
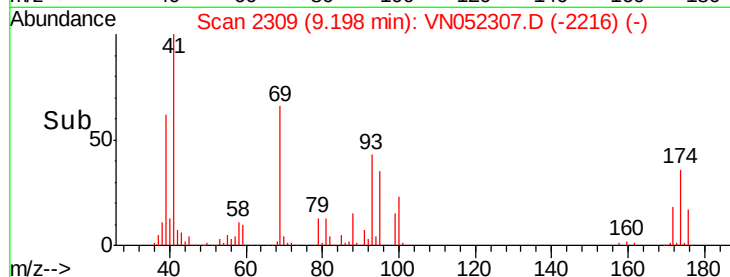
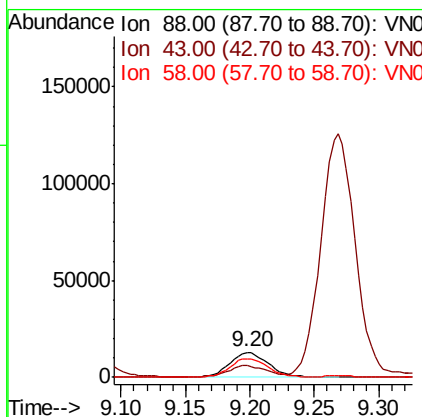
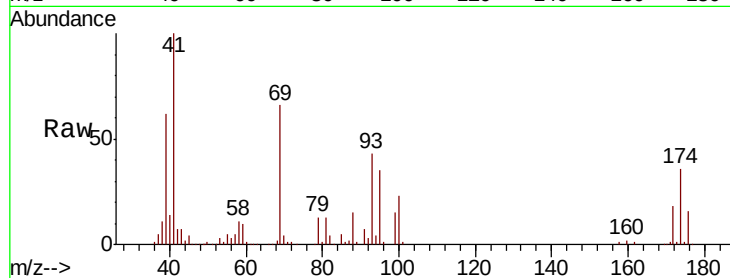
#49
1,4-Dioxane
Concen: 1086.853 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.6	33.3	49.9
58	74.0	59.2	88.8

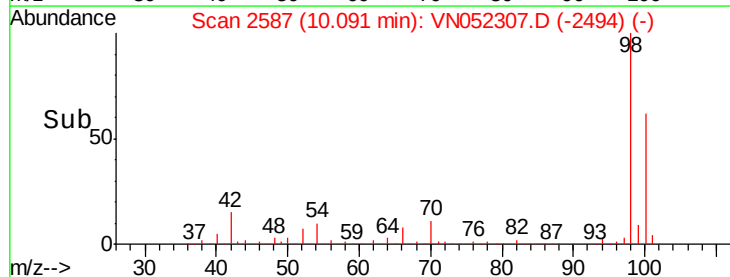
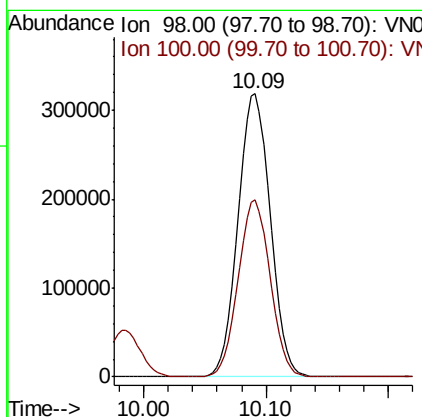
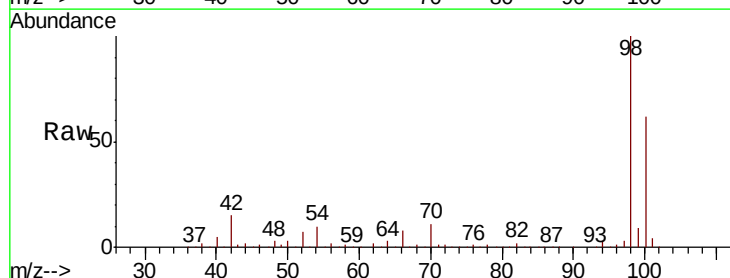
Manual Integrations
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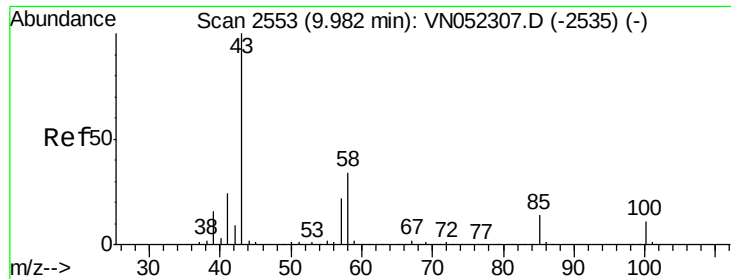
MMDadoda
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#50
Toluene-d8
Concen: 1086.853 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	61.9	49.5	74.3





#51

4-Methyl-2-Pentanone

Concen: 261.281 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 836471

Ion Ratio Lower Upper

43 100

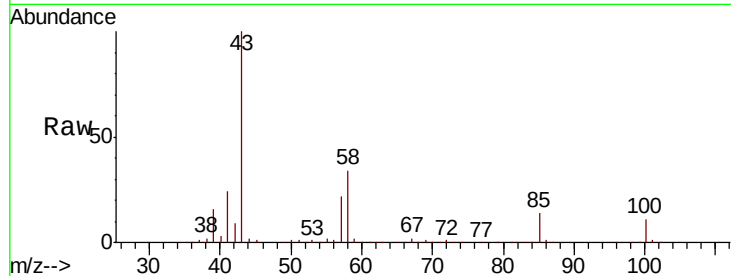
58 33.8 27.0 40.6

Manual Integrations

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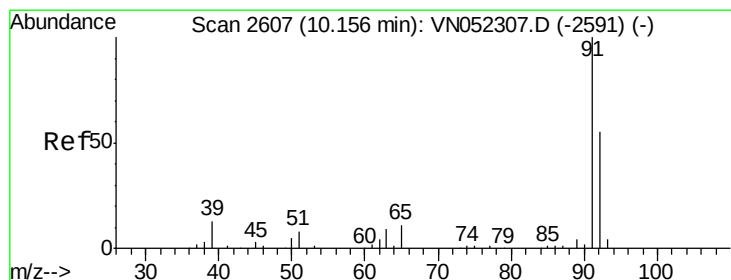
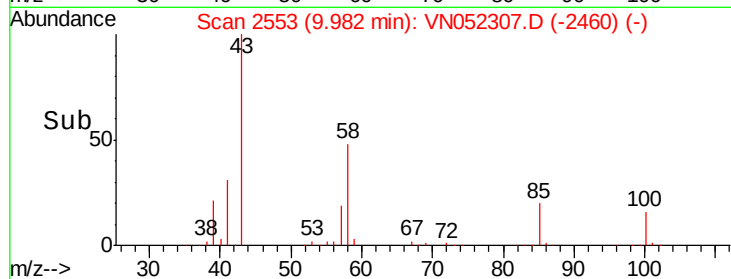
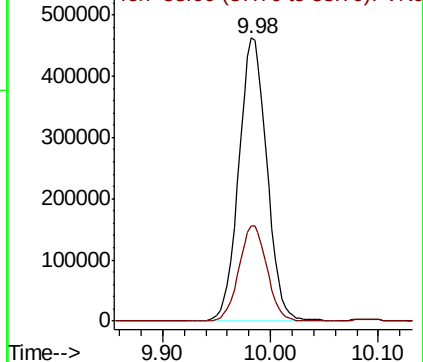
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.265 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052307.D

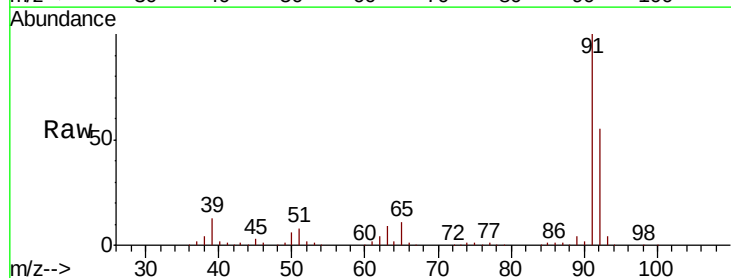
Acq: 14 Nov 2018 11:50

Tgt Ion: 92 Resp: 397871

Ion Ratio Lower Upper

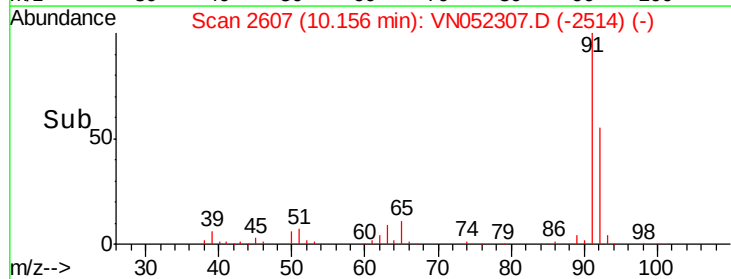
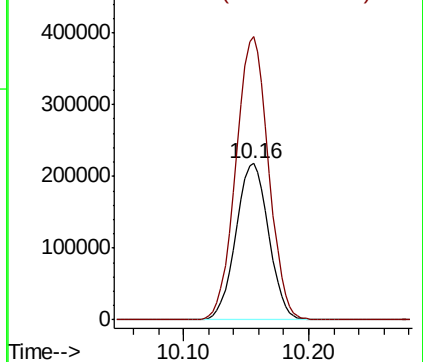
92 100

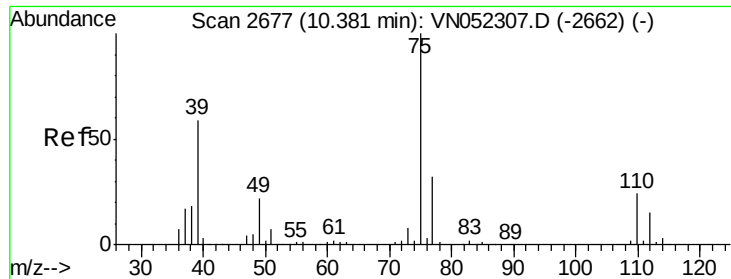
91 179.5 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





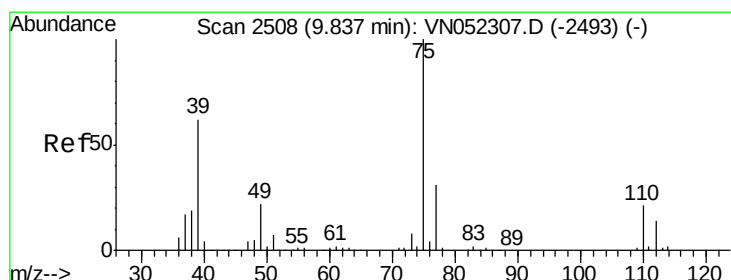
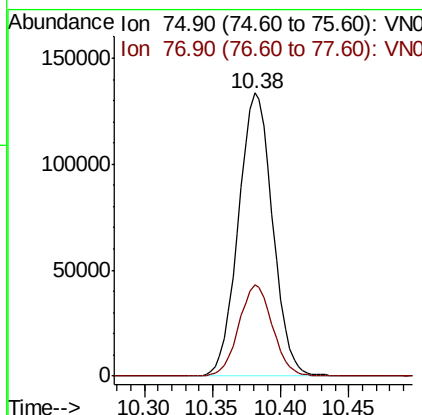
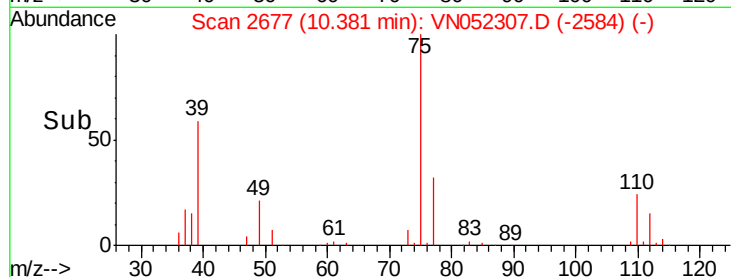
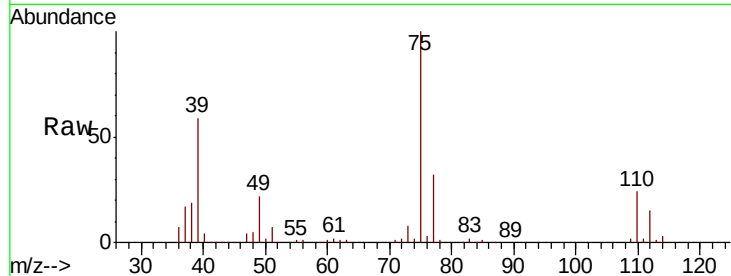
#53
t-1,3-Dichloropropene
Concen: 52.816 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 232989
Ion Ratio Lower Upper
75 100
77 32.1 25.7 38.5

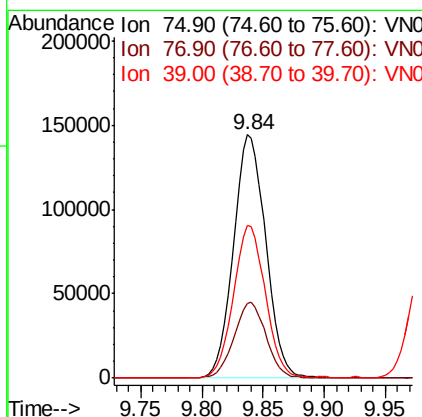
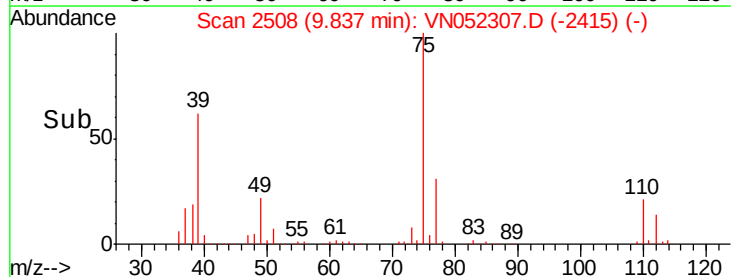
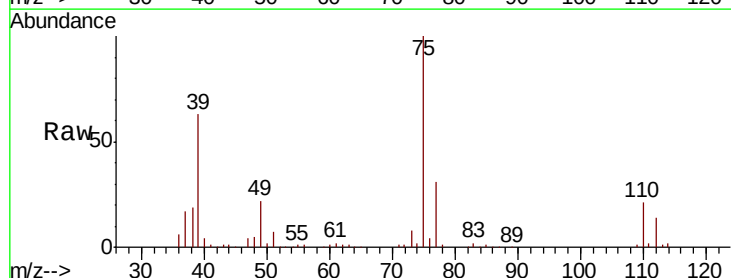
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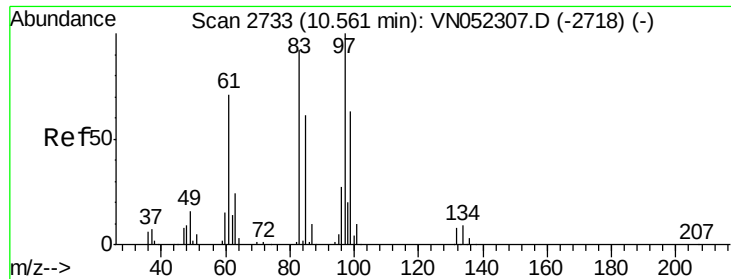
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.717 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion: 75 Resp: 265103
Ion Ratio Lower Upper
75 100
77 30.7 24.6 36.8
39 62.4 49.9 74.9





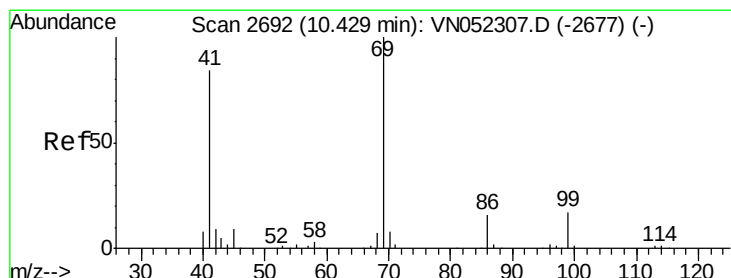
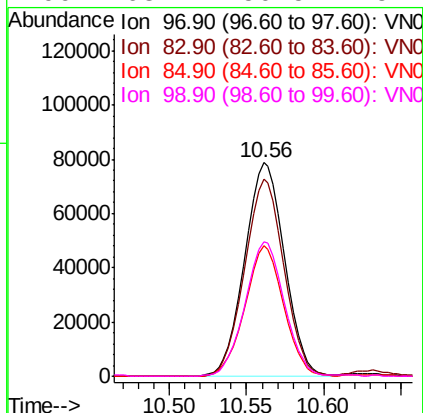
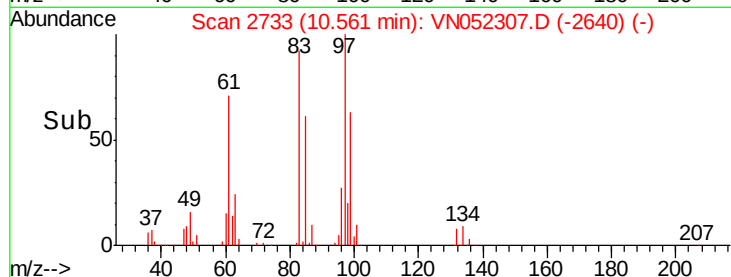
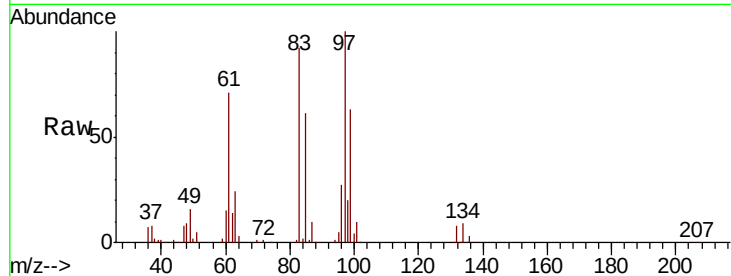
#55
 1,1,2-Trichloroethane
 Concen: 50.183 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	141191
Ion	Ratio	Lower	Upper
97	100		
83	92.2	73.8	110.6
85	61.2	49.0	73.4
99	63.1	50.5	75.7

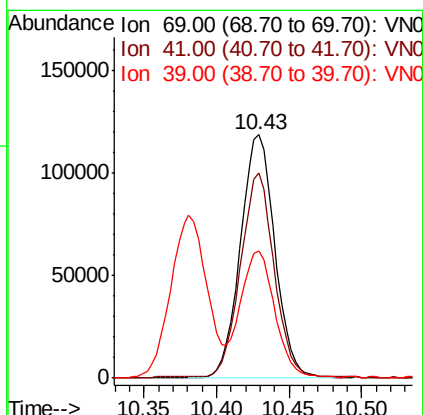
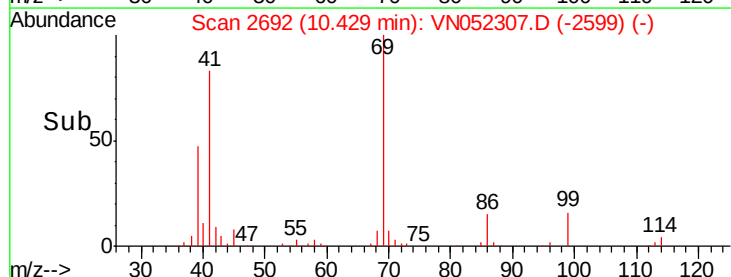
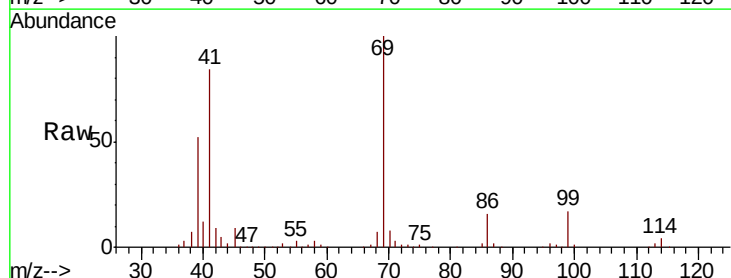
Manual Integrations
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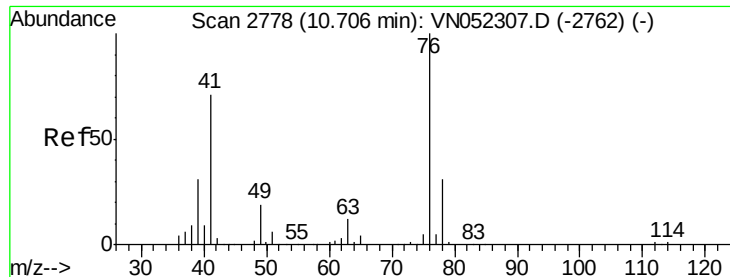
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 11/20/2018 2:58:18 PM



#56
 Ethyl methacrylate
 Concen: 53.110 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Tgt Ion:	69	Resp:	196513
Ion	Ratio	Lower	Upper
69	100		
41	81.0	64.8	97.2
39	51.3	41.0	61.6





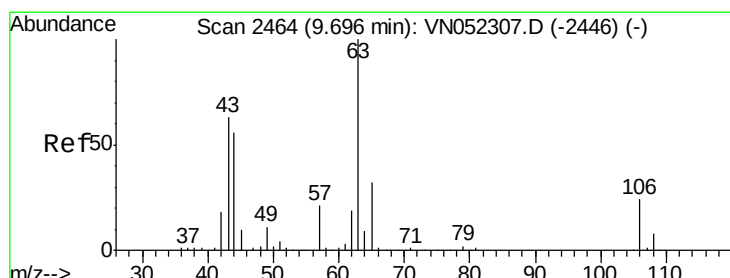
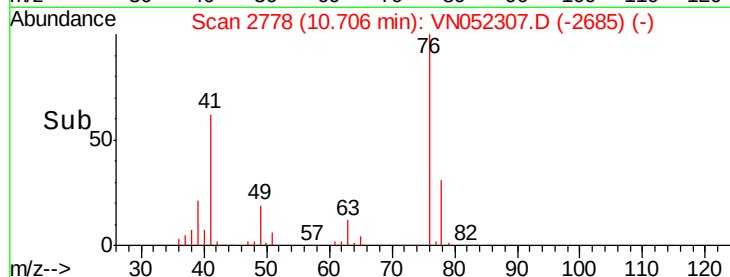
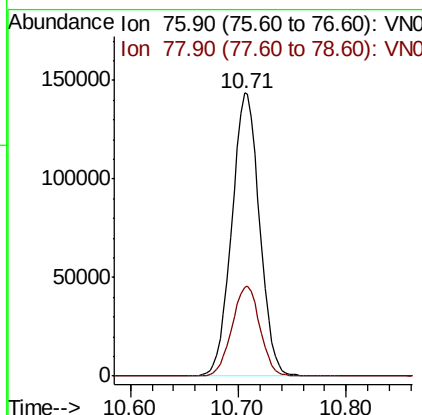
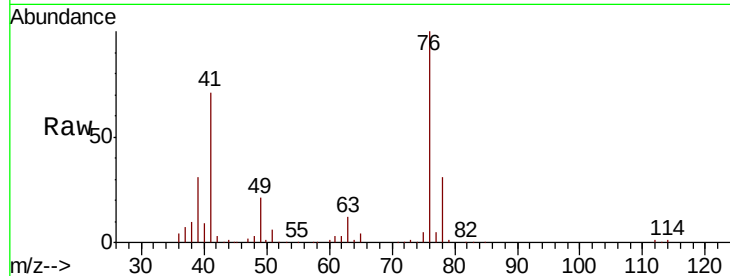
#57
 1,3-Dichloropropane
 Concen: 51.776 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5

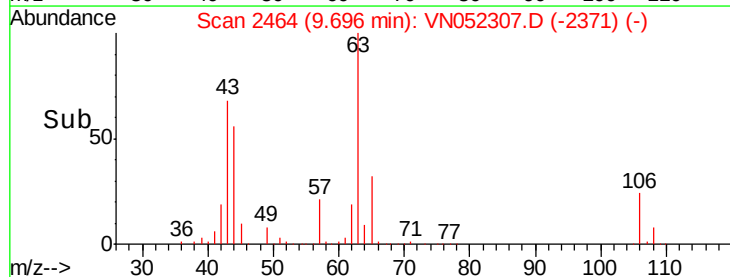
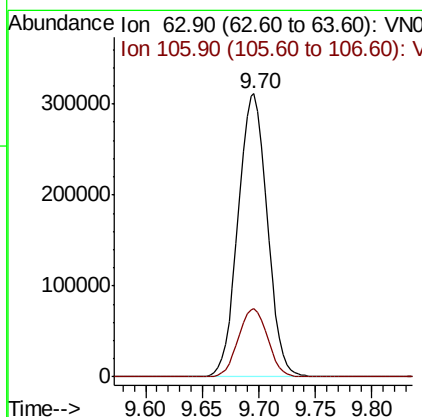
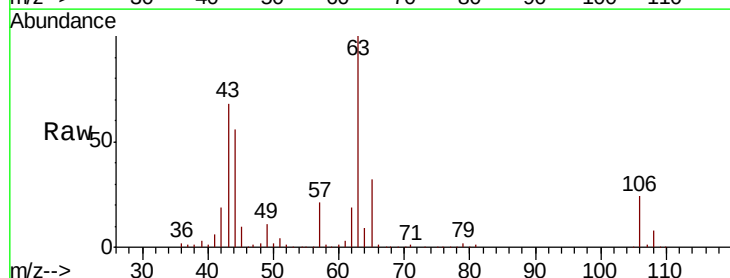
Manual Integrations
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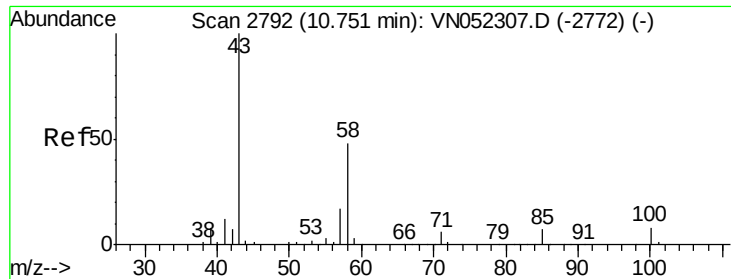
MMDadoda
 11/20/2018 2:58:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 266.394 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.1	19.3	28.9





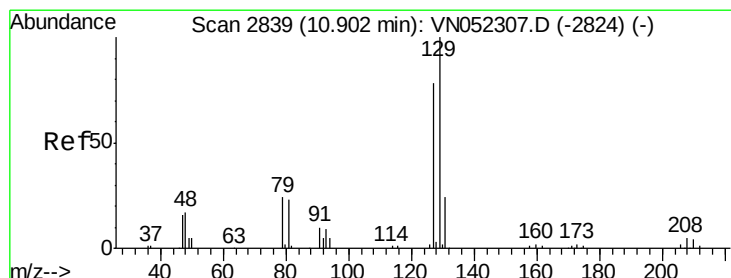
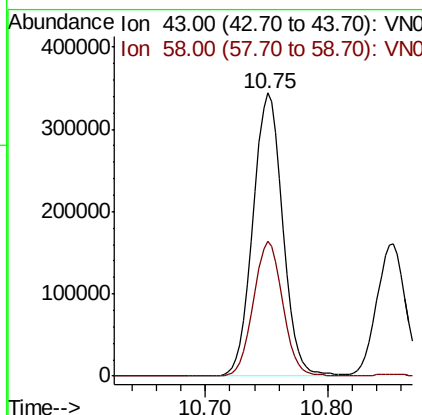
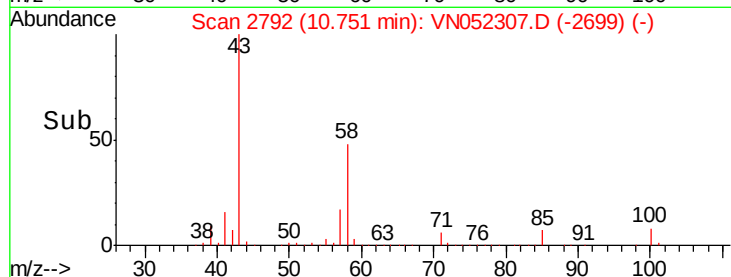
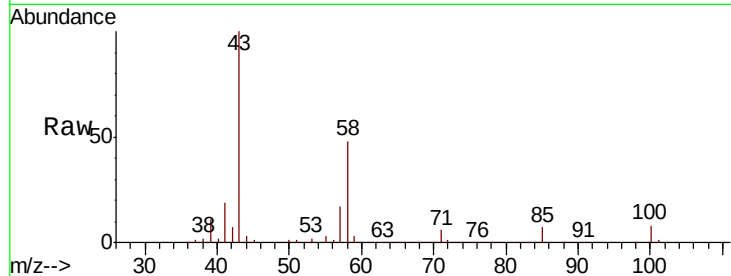
#59
2-Hexanone
Concen: 261.654 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 576171
Ion Ratio Lower Upper
43 100
58 47.1 23.5 70.6

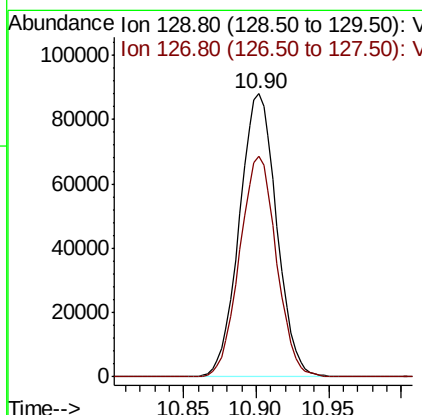
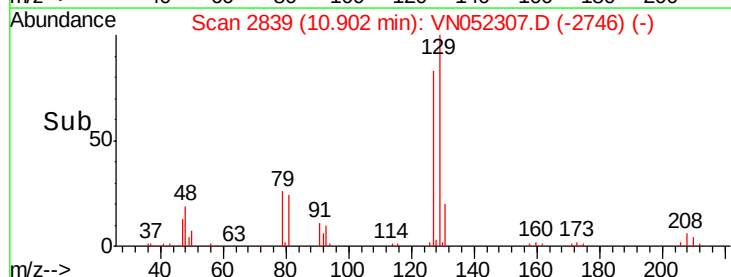
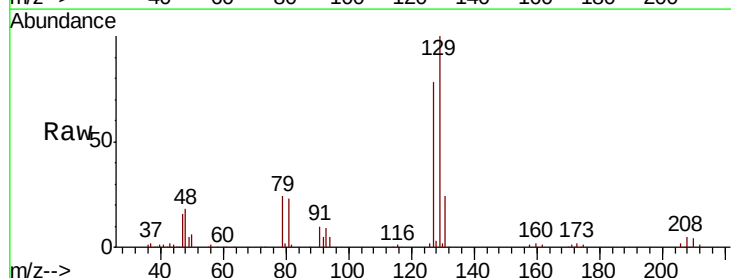
Manual Integrations
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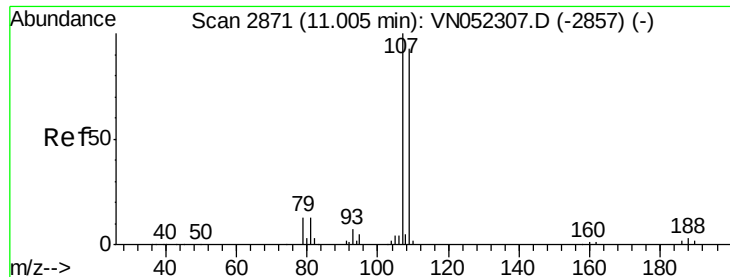
MMDadoda
11/20/2018 2:58:18 PM



#60
Dibromochloromethane
Concen: 51.701 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion: 129 Resp: 157381
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





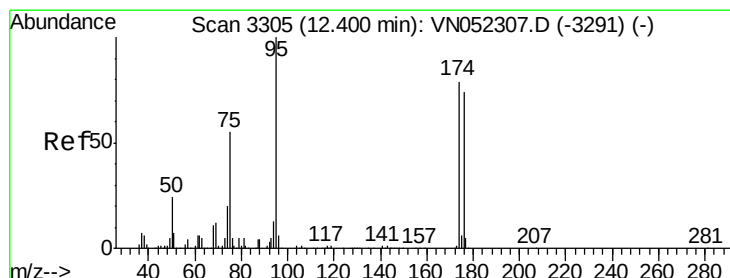
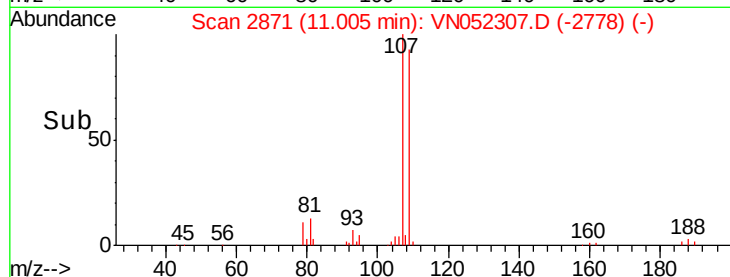
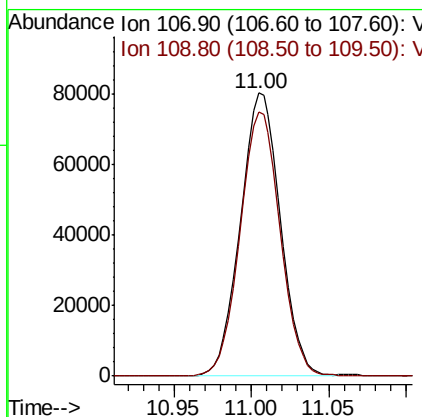
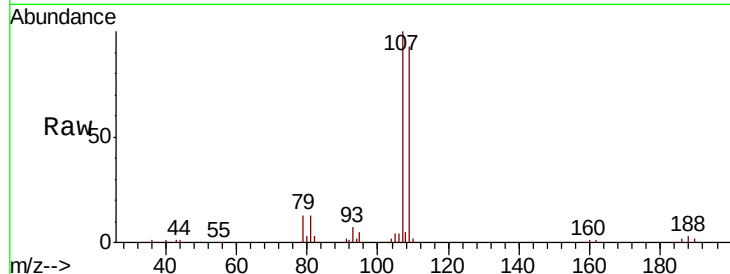
#61
 1,2-Dibromoethane
 Concen: 51.448 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.9	112.3

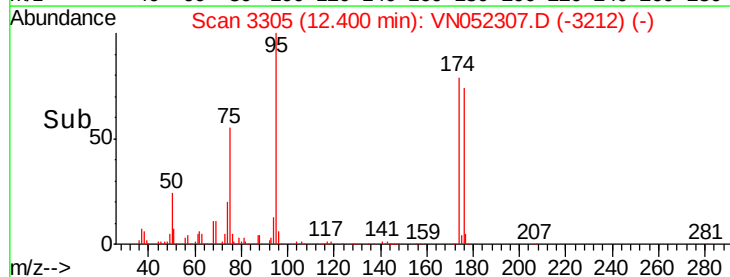
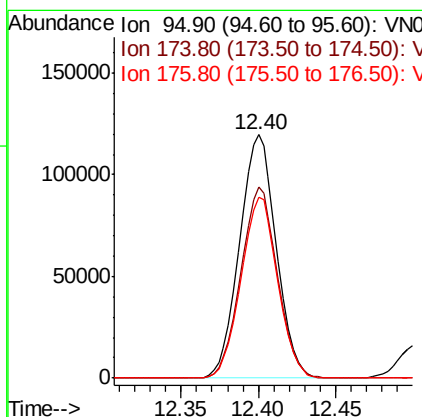
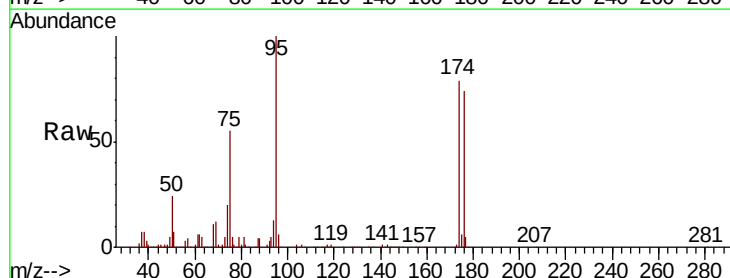
Manual Integrations
 APPROVED

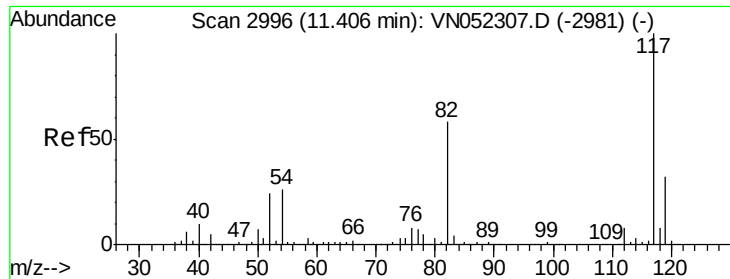
MMDadoda
 11/20/2018 2:58:18 PM



#62
 4-Bromofluorobenzene
 Concen: 51.448 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	156.0
176	74.2	0.0	148.4





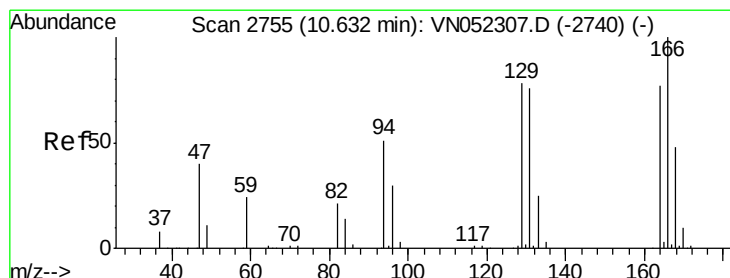
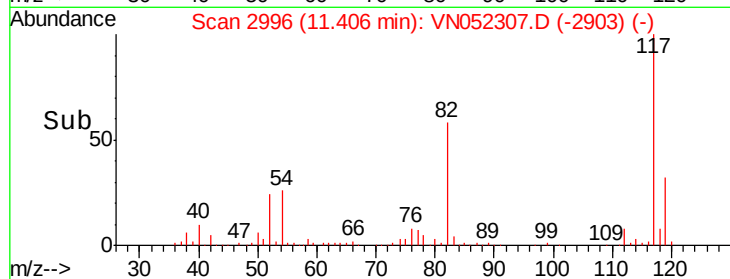
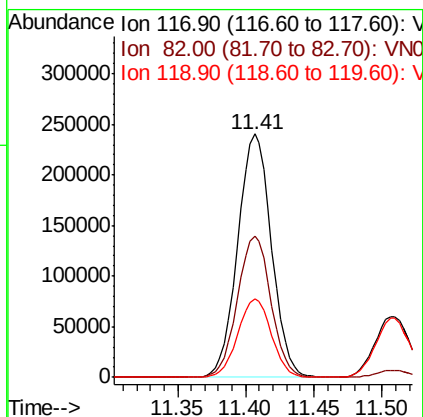
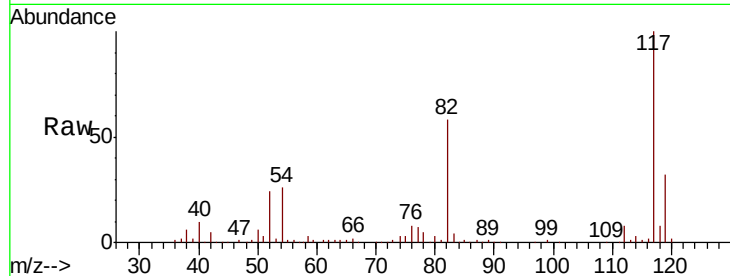
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.5	69.7
119	32.1	25.7	38.5

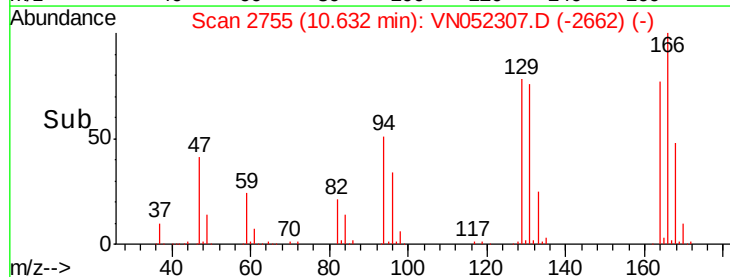
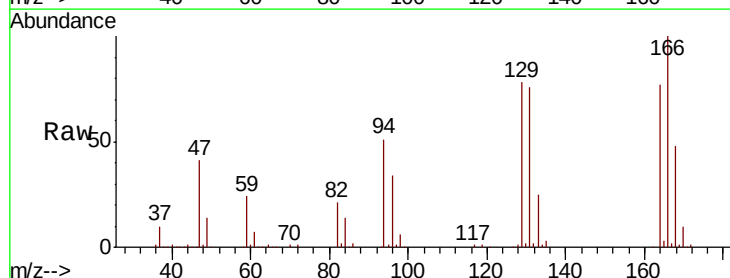
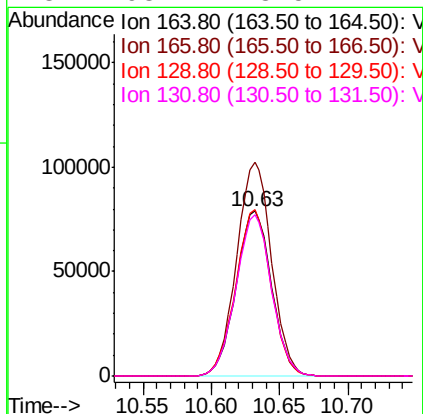
Manual Integrations
APPROVED

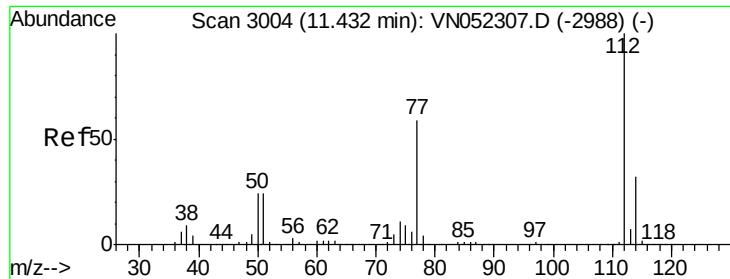
MMDadoda
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#64
Tetrachloroethene
Concen: 48.612 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	103.8	155.6
129	100.9	80.7	121.1
131	98.1	78.5	117.7





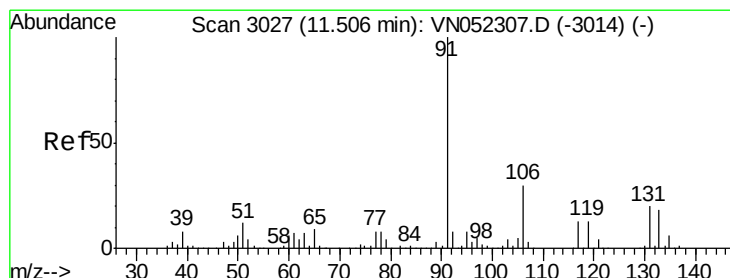
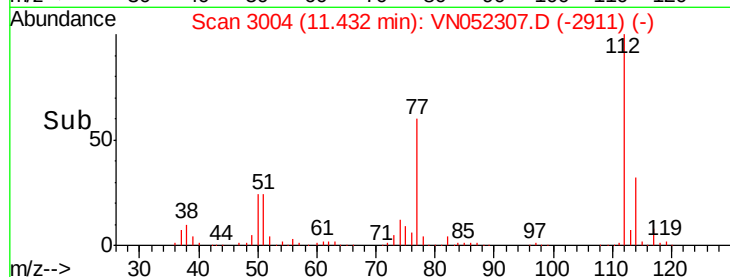
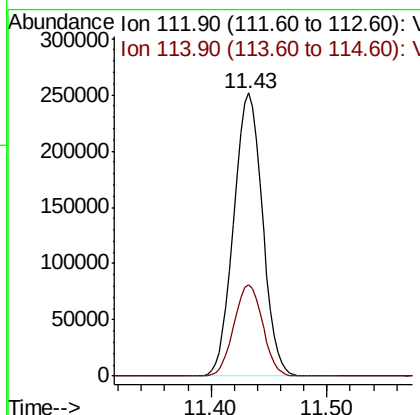
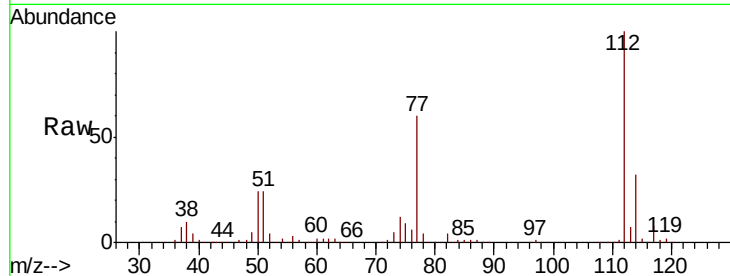
#65
Chlorobenzene
Concen: 49.424 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:112 Resp: 431292
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

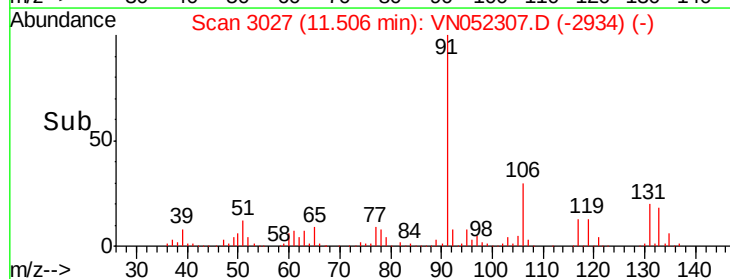
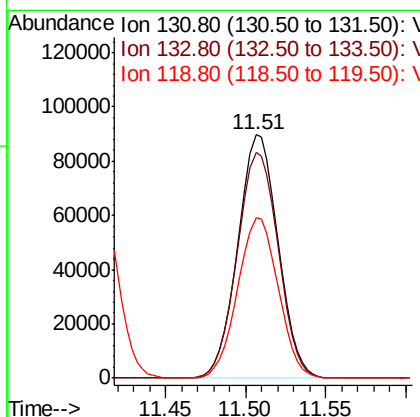
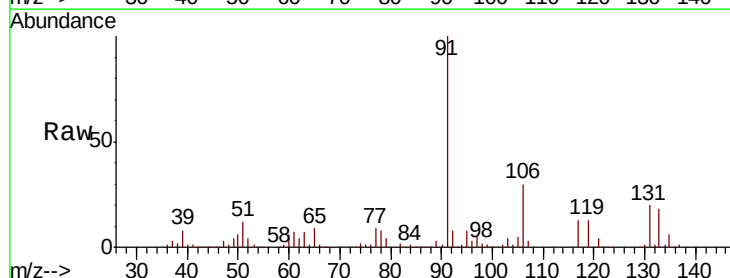
Manual Integrations
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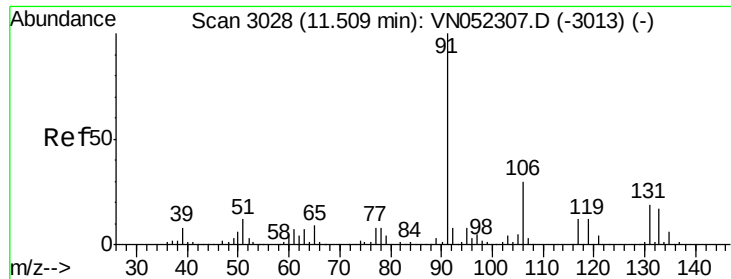
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.653 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion:131 Resp: 153706
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.3
119 66.6 33.3 99.9





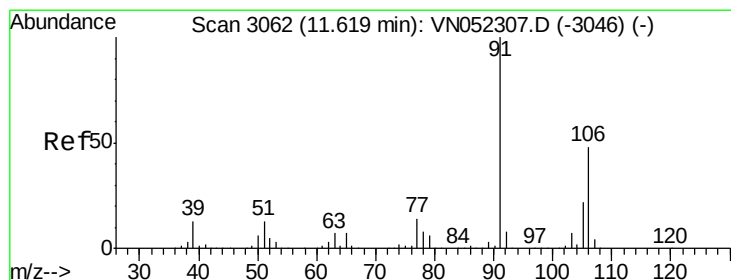
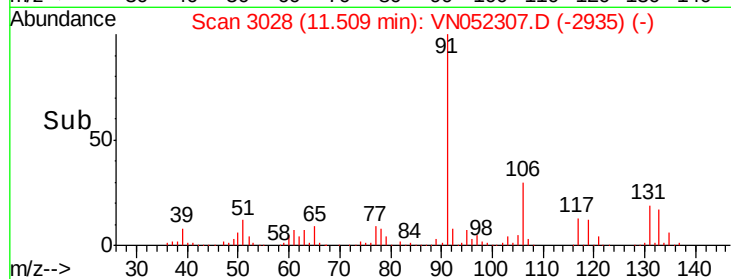
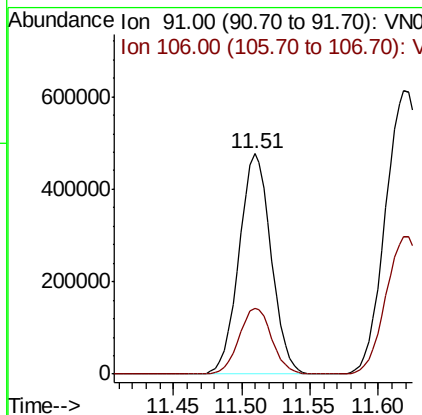
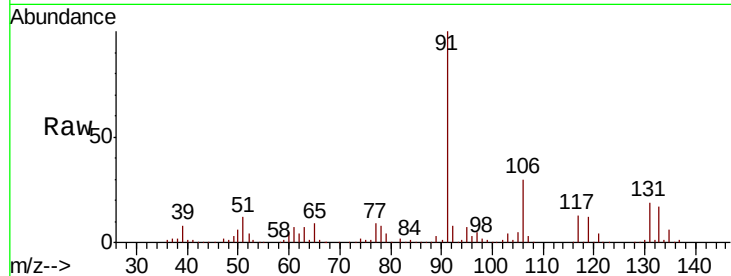
#67
Ethyl Benzene
Concen: 51.233 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 775966
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2

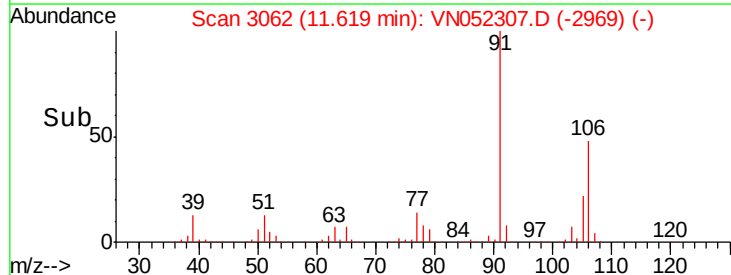
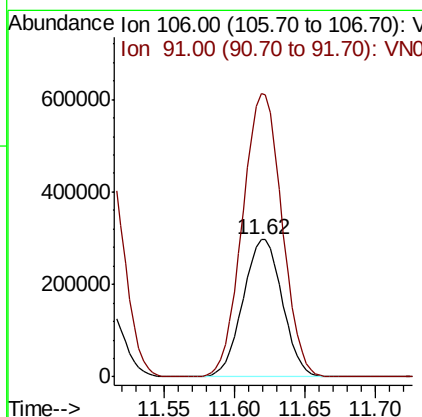
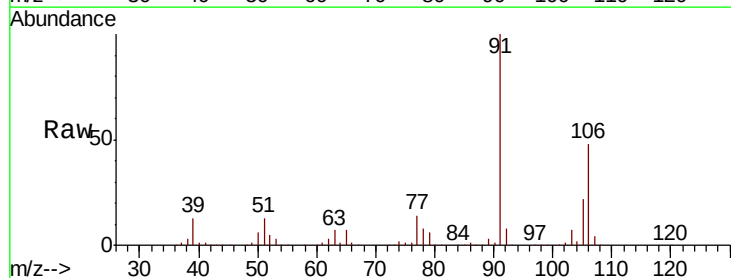
Manual Integrations
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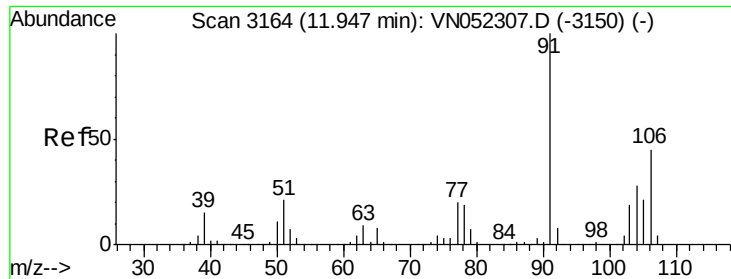
MMDadoda
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#68
m/p-Xylenes
Concen: 104.770 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion: 106 Resp: 579785
Ion Ratio Lower Upper
106 100
91 206.9 165.5 248.3





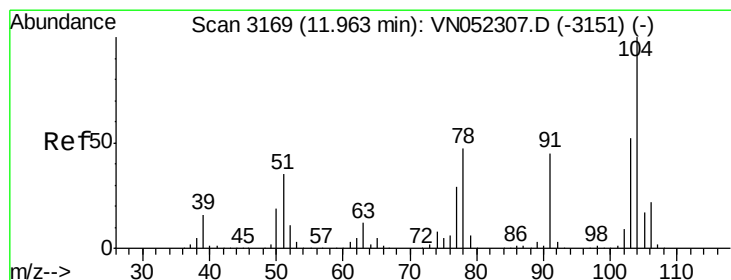
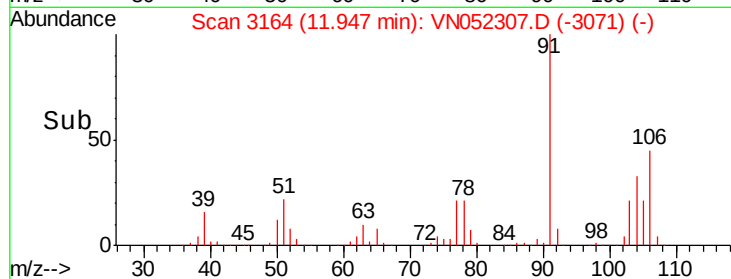
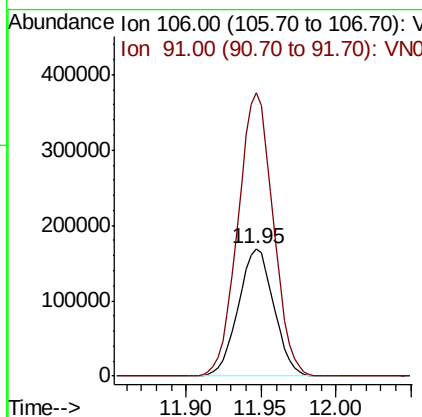
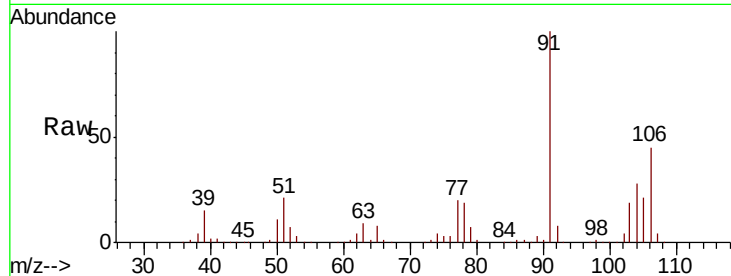
#69
o-Xylene
Concen: 52.836 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 280275
Ion Ratio Lower Upper
106 100
91 220.0 110.0 330.0

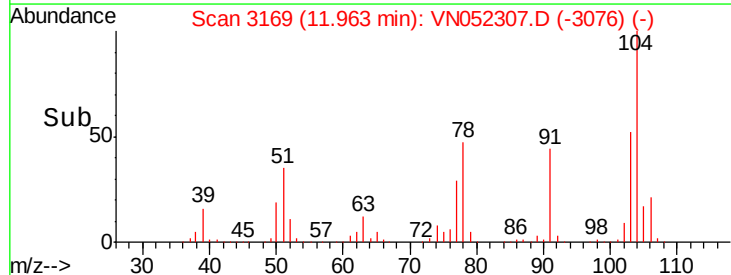
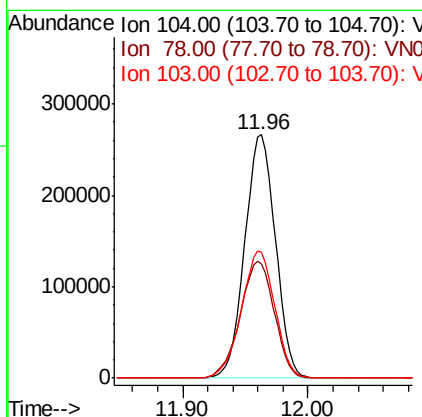
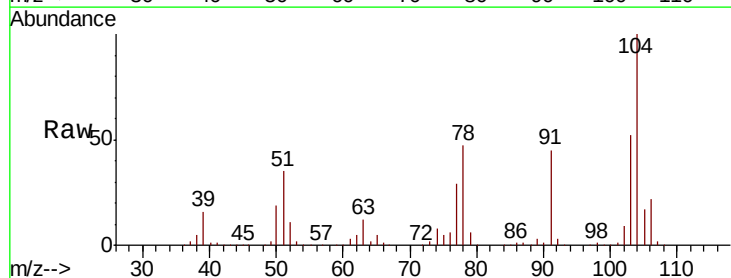
Manual Integrations
APPROVED

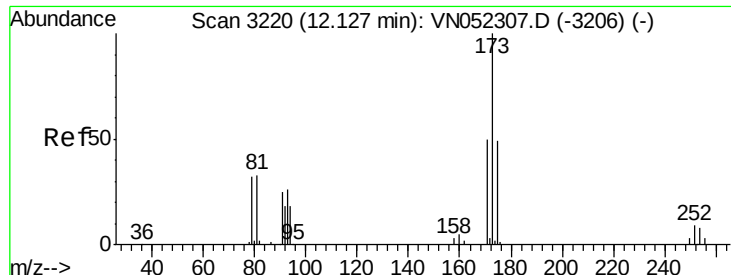
MMDadoda
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#70
Styrene
Concen: 53.456 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion:104 Resp: 454047
Ion Ratio Lower Upper
104 100
78 53.4 42.7 64.1
103 56.7 45.4 68.0





#71

Bromoform

Concen: 52.634 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 92477

Ion Ratio Lower Upper

173 100

175 50.0 25.0 75.0

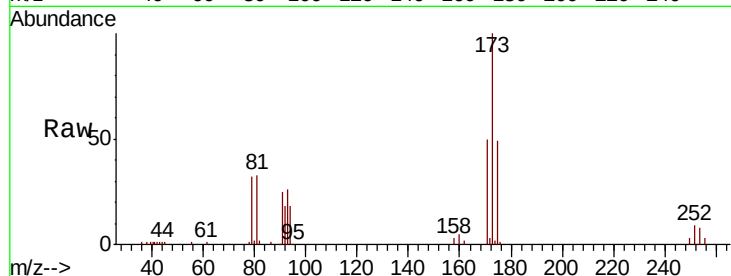
254 0.0 0.0 0.0

Manual Integrations

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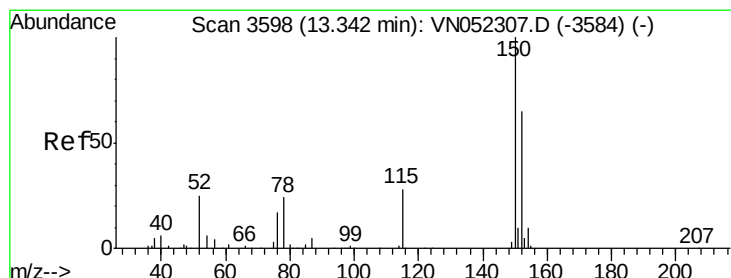
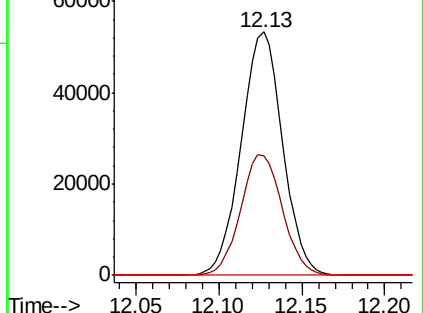
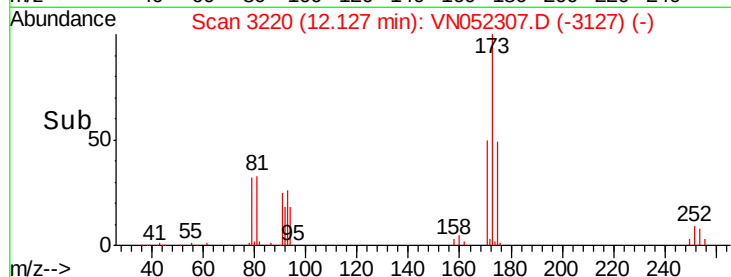
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

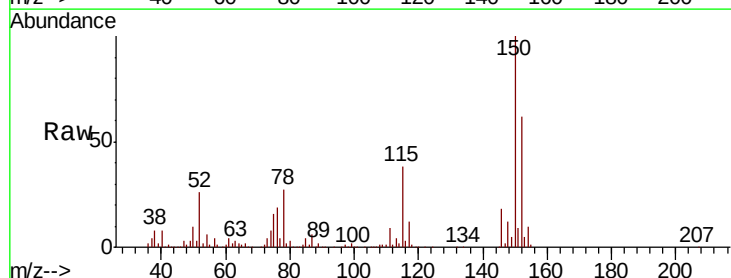
Tgt Ion:152 Resp: 190828

Ion Ratio Lower Upper

152 100

115 60.7 30.3 91.0

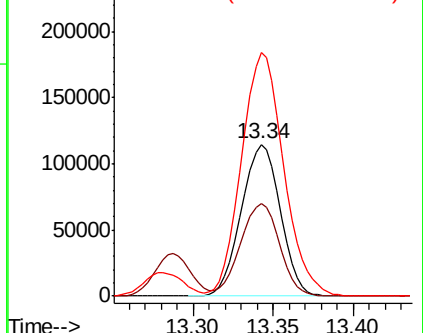
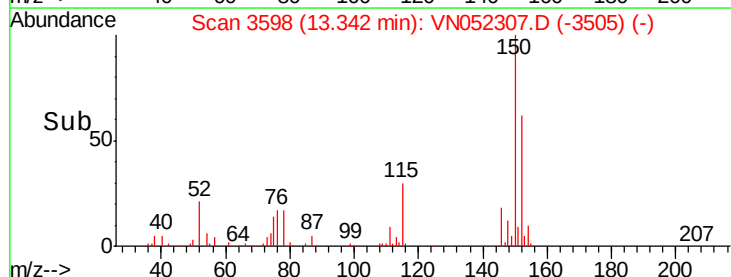
150 174.1 0.0 348.2

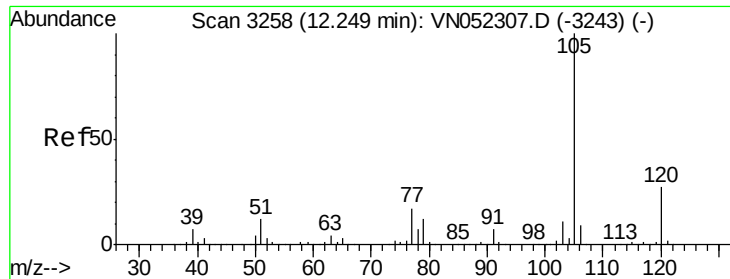


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.797 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 748665

Ion Ratio Lower Upper

105 100

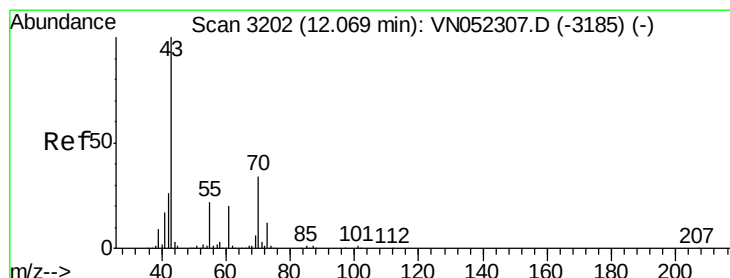
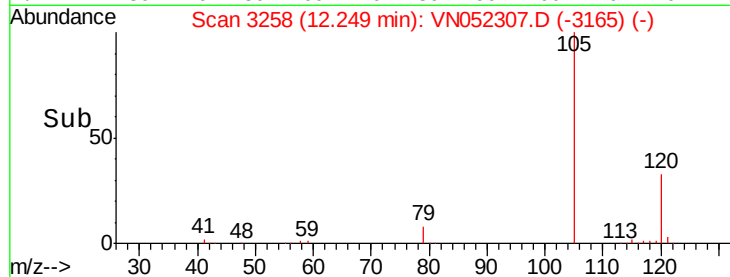
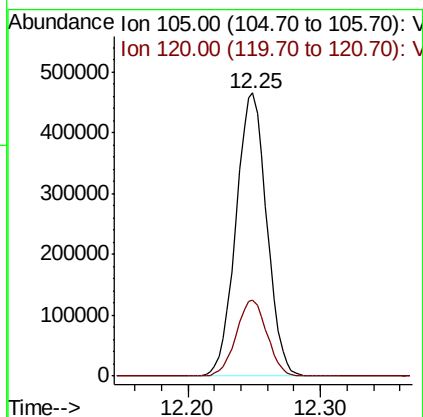
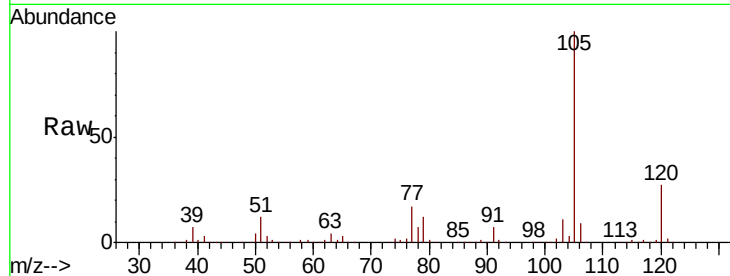
120 26.7 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.477 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Tgt Ion: 43 Resp: 286770

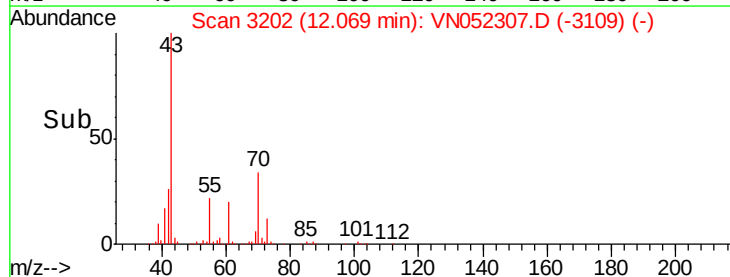
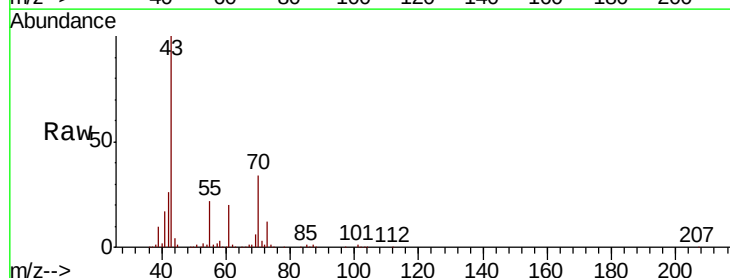
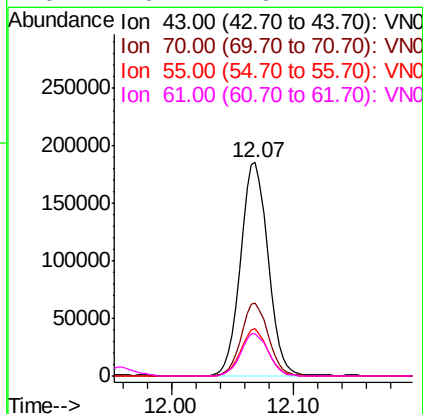
Ion Ratio Lower Upper

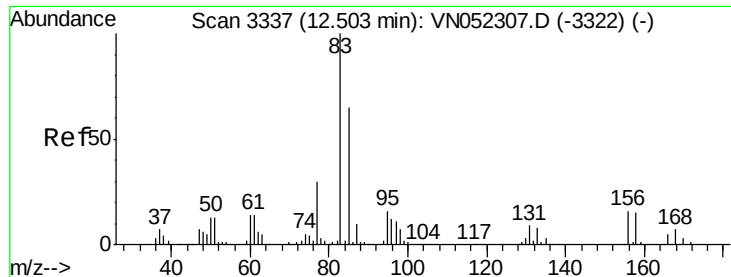
43 100

70 33.9 27.1 40.7

55 21.7 17.4 26.0

61 20.1 16.1 24.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.241 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 178918

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.1

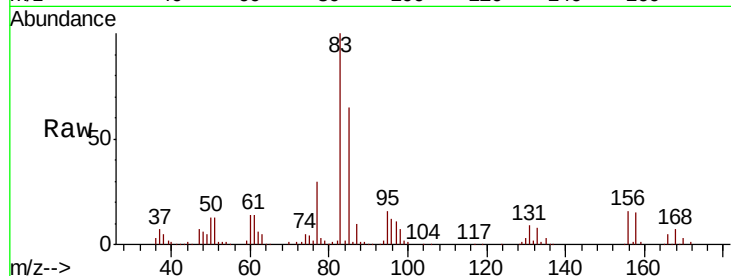
85 64.8 32.4 97.2

Manual Integrations

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MMDadoda

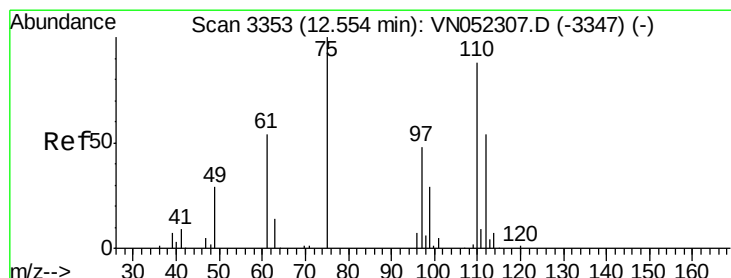
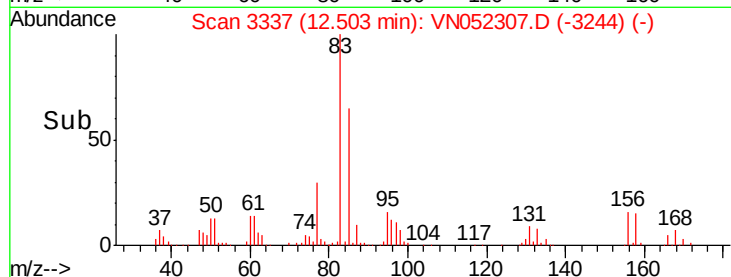
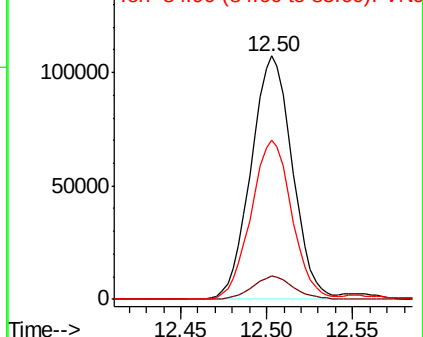
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Abundance Ion 82.90 (82.60 to 83.60): VN052307.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN052307.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN052307.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 53.679 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052307.D

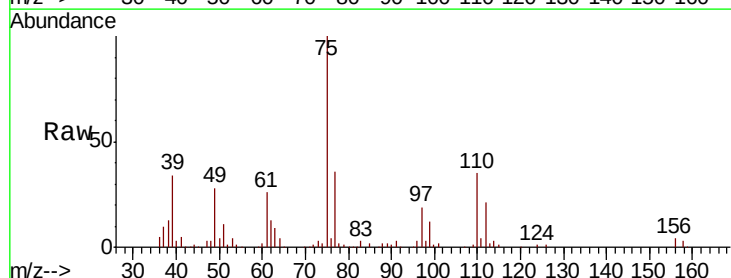
Acq: 14 Nov 2018 11:50

Tgt Ion: 75 Resp: 161051

Ion Ratio Lower Upper

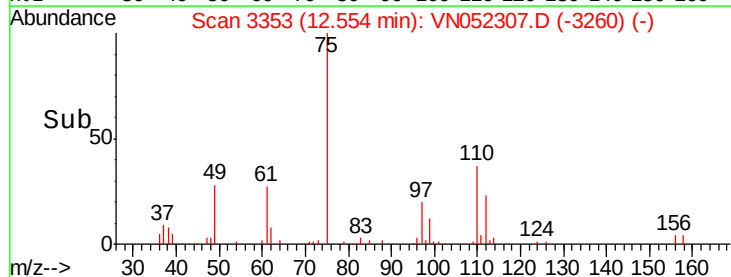
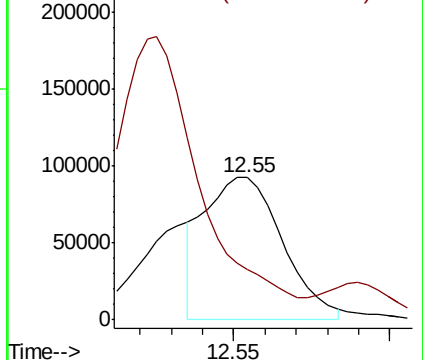
75 100

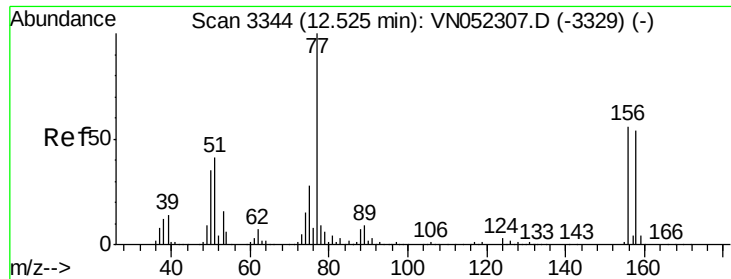
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN052307.D (-3353) (-)





#77

Bromobenzene

Concen: 48.764 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Instrument :

MSVOA_N

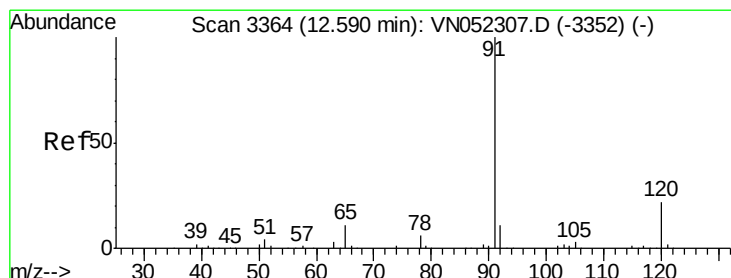
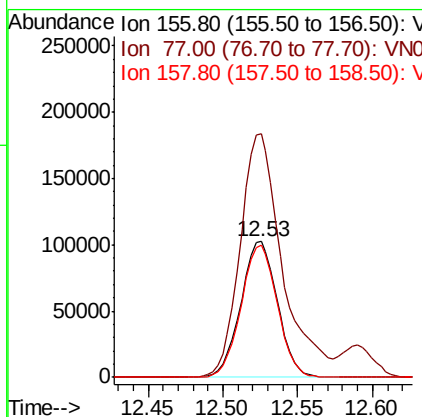
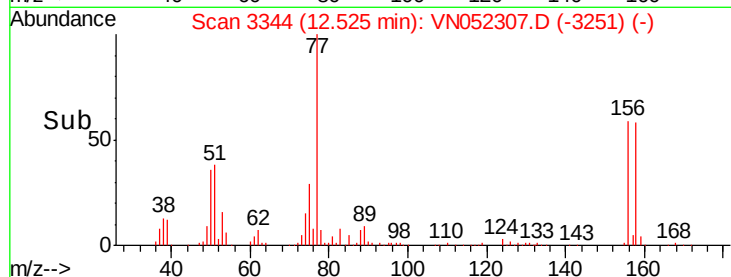
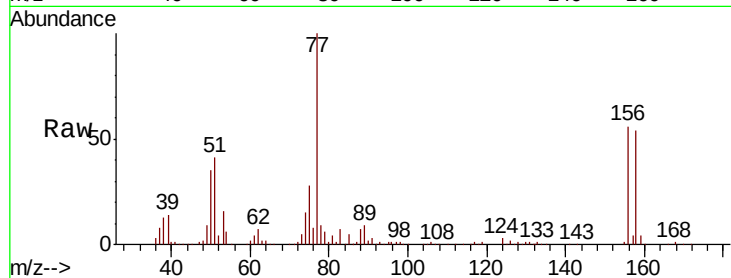
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	174079
Ion Ratio	Lower	Upper	
156	100		
77	207.3	103.6	310.9
158	96.3	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 50.247 ug/l

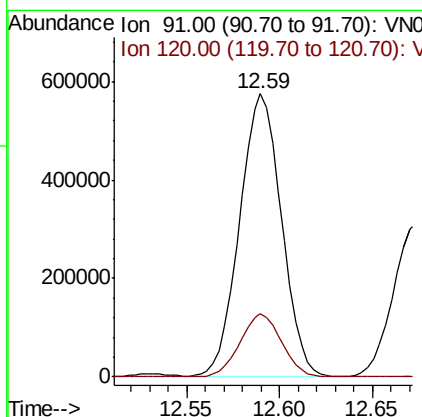
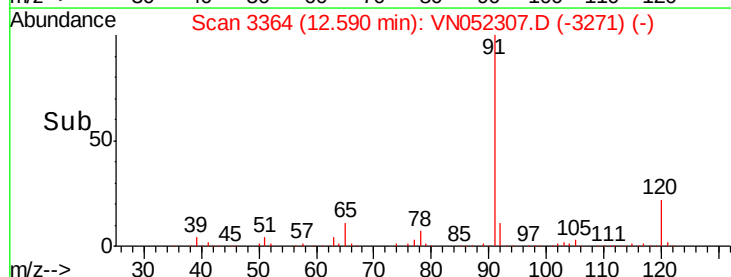
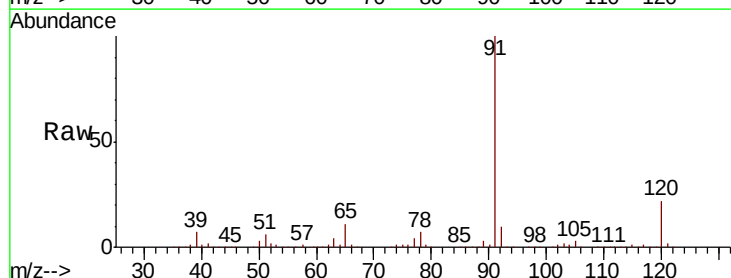
RT: 12.59 min Scan# 3364

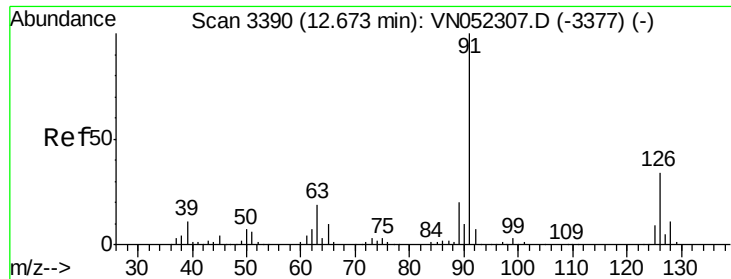
Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Tgt Ion:	91	Resp:	901590
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.1





#79

2-Chlorotoluene

Concen: 48.784 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 511361

Ion Ratio Lower Upper

91 100

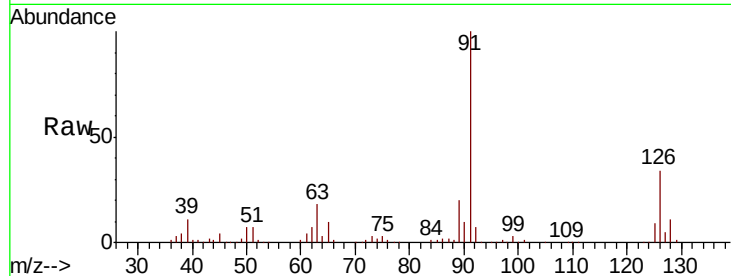
126 34.0 17.0 51.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN052307.D (-3377) (-)

600000

500000

400000

300000

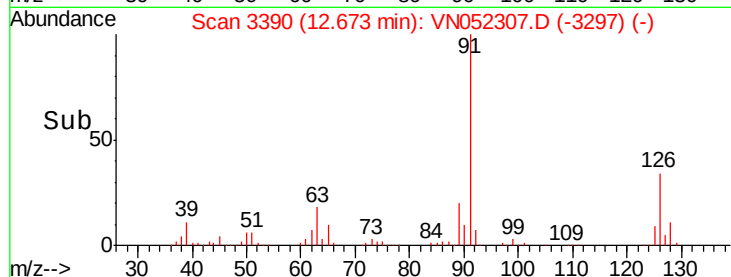
200000

100000

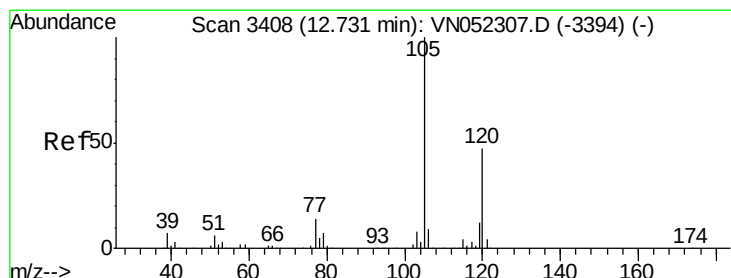
0

12.60 12.65 12.70

12.67



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.876 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052307.D

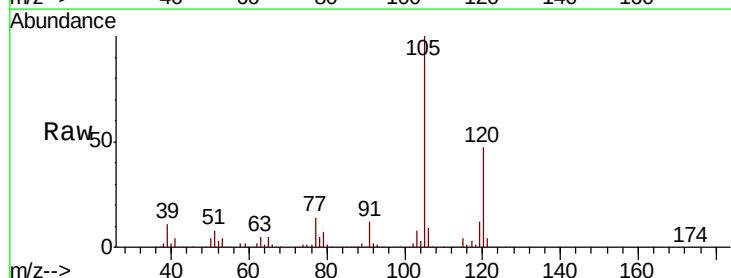
Acq: 14 Nov 2018 11:50

Tgt Ion: 105 Resp: 620735

Ion Ratio Lower Upper

105 100

120 47.4 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3394) (-)

400000

300000

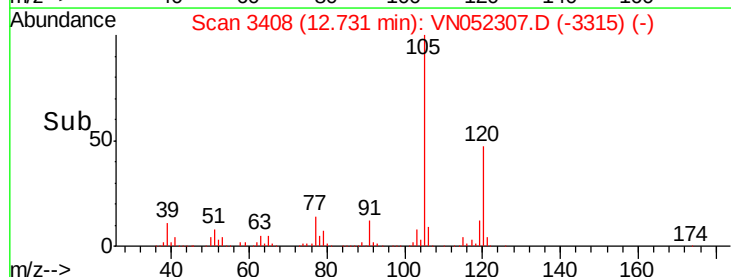
200000

100000

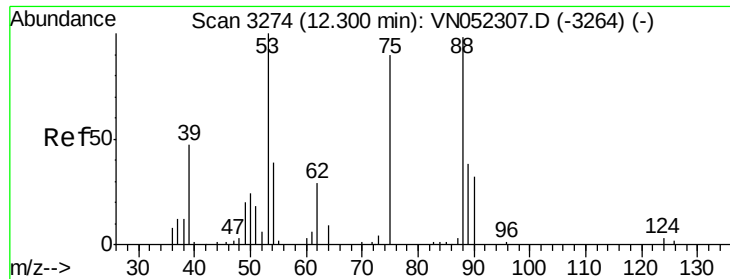
0

12.65 12.70 12.75 12.80

12.73



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 50.414 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 50330

Ion Ratio Lower Upper

75 100

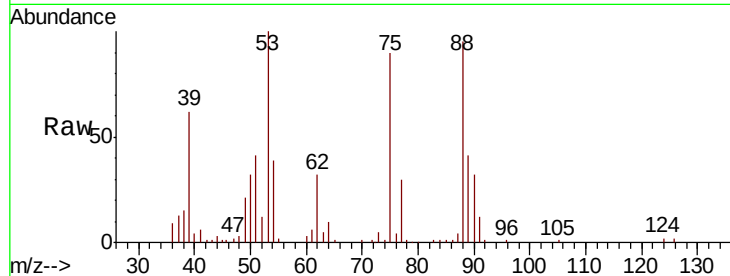
53 112.7 90.2 135.2

89 44.2 35.4 53.0

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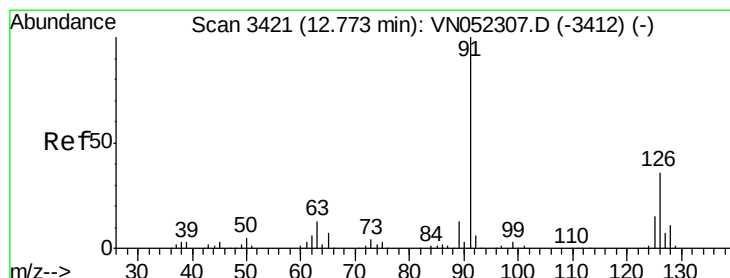
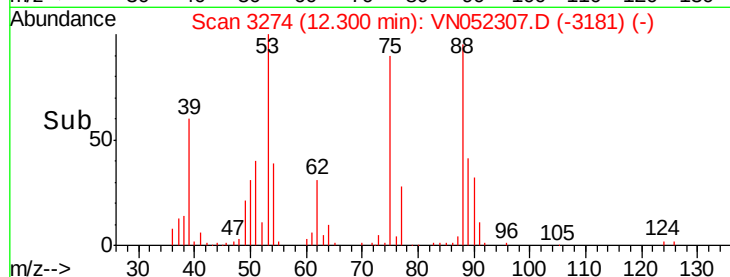
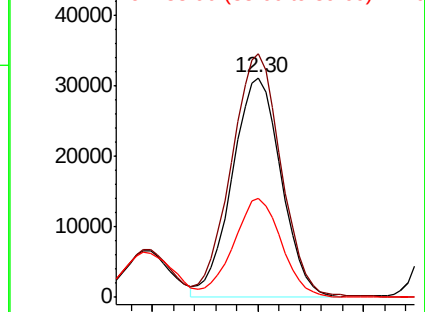
11/20/2018 2:58:18 PM



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052307.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052307.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 48.737 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052307.D

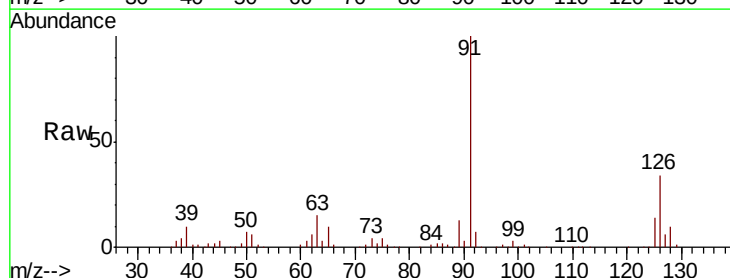
Acq: 14 Nov 2018 11:50

Tgt Ion: 91 Resp: 523401

Ion Ratio Lower Upper

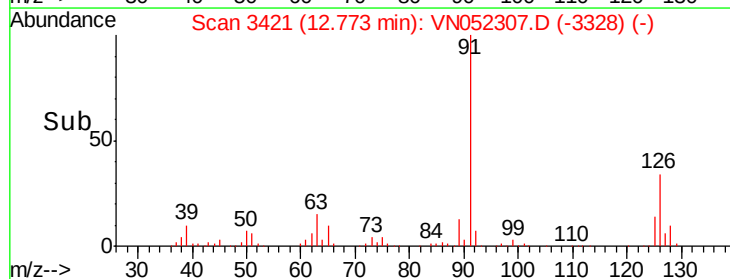
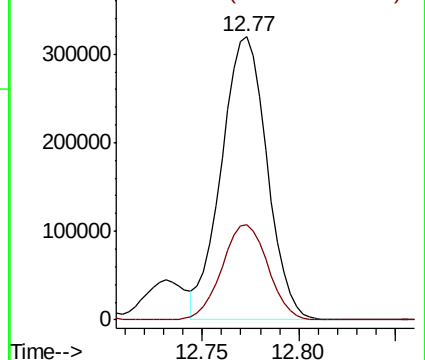
91 100

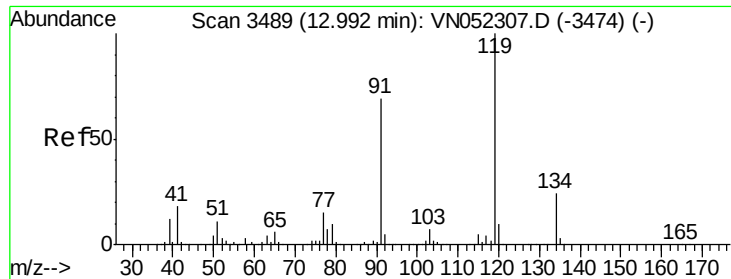
126 33.9 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN052307.D (-3412) (-)





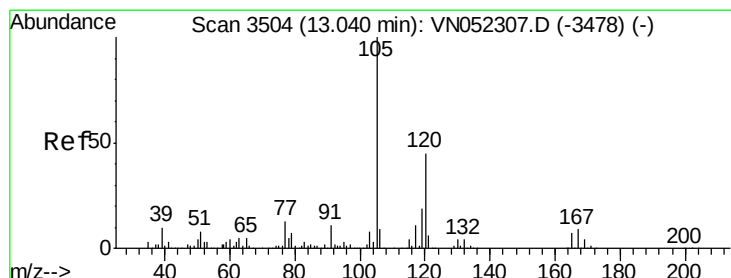
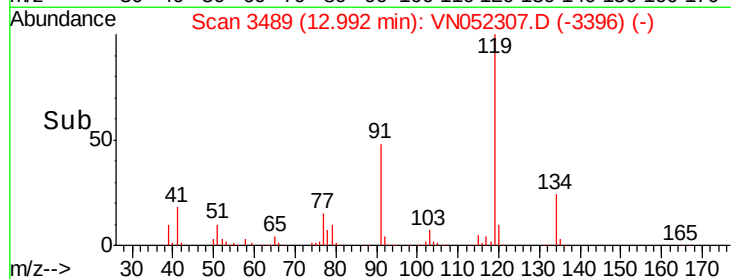
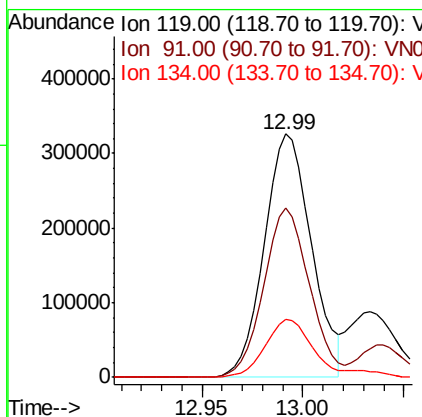
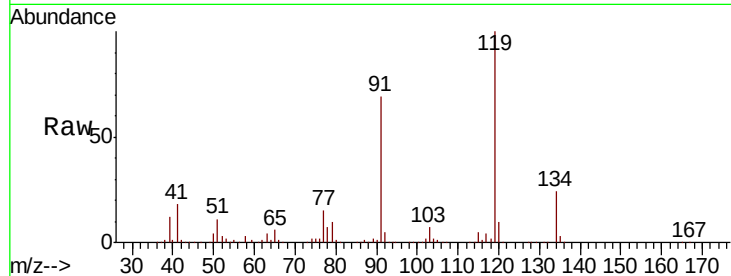
#83
tert-Butylbenzene
Concen: 49.296 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	33.8	101.3
134	23.9	11.9	35.9

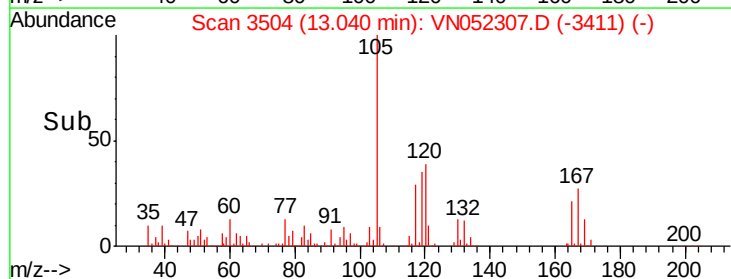
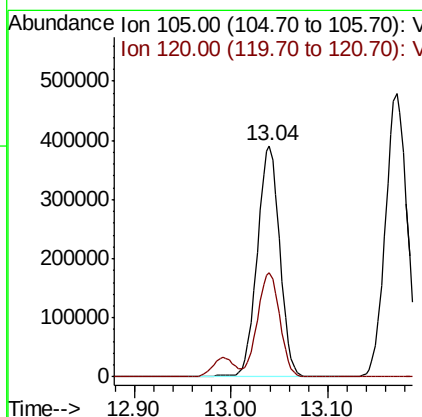
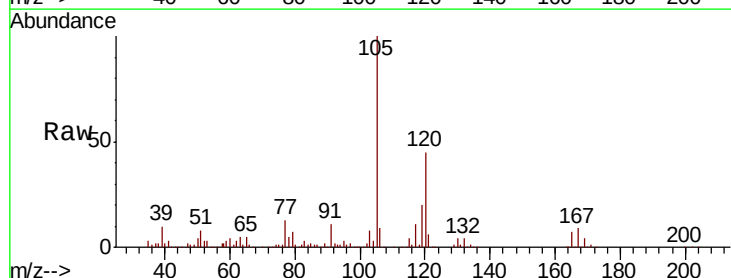
Manual Integrations
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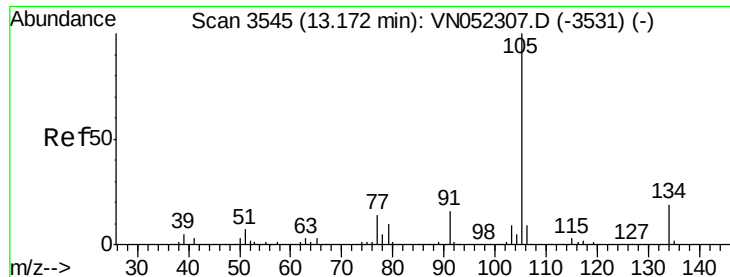
MMDadoda
11/20/2018 2:58:18 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.400 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.5	67.5





#85

sec-Butylbenzene

Concen: 50.879 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 746556

Ion Ratio Lower Upper

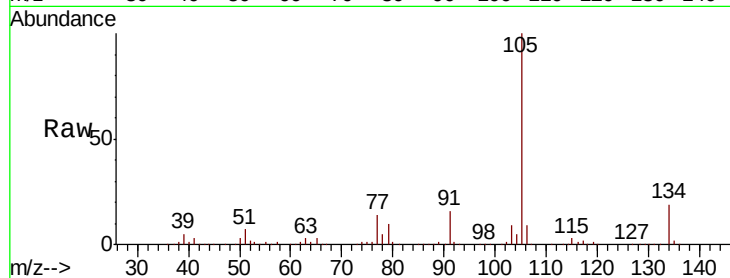
105 100

134 19.0 9.5 28.5

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

500000

400000

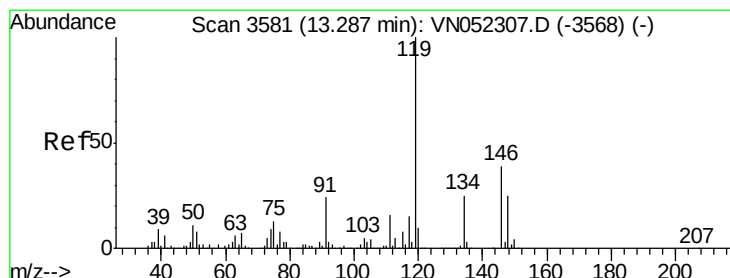
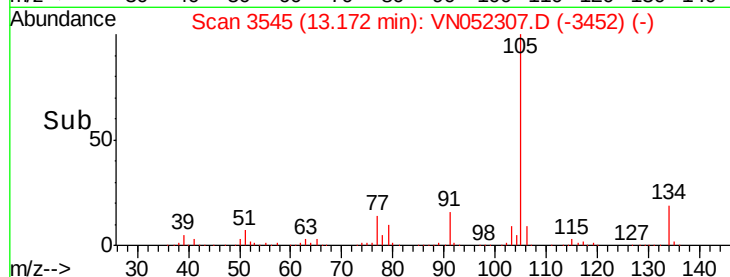
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 51.154 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052307.D

Acq: 14 Nov 2018 11:50

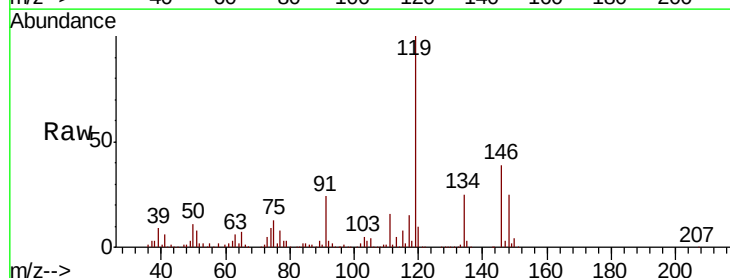
Tgt Ion:119 Resp: 635812

Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 24.7 12.4 37.0



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

13.29

500000

400000

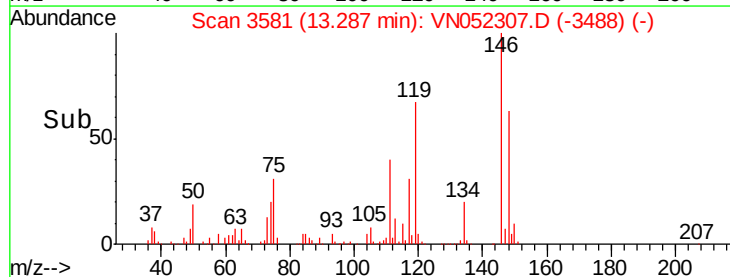
300000

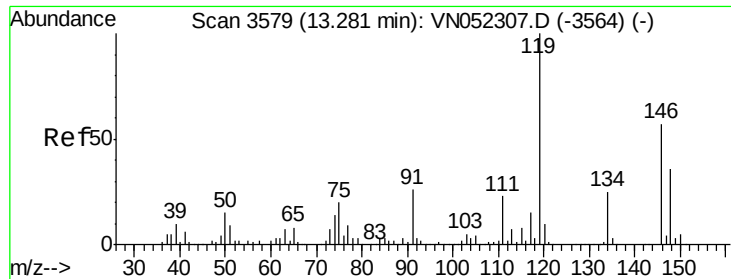
200000

100000

0

Time--> 13.20 13.25 13.30 13.35





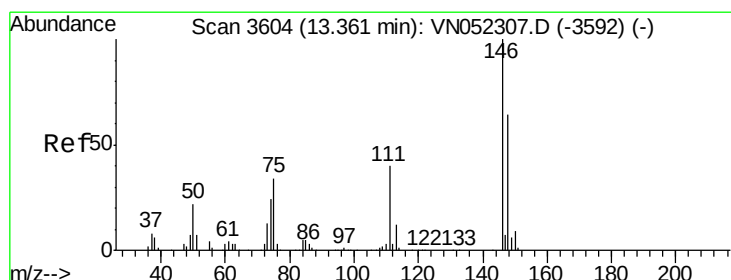
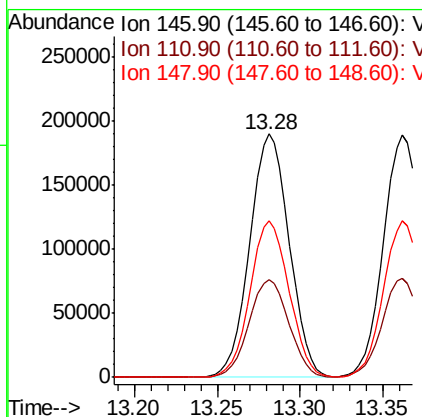
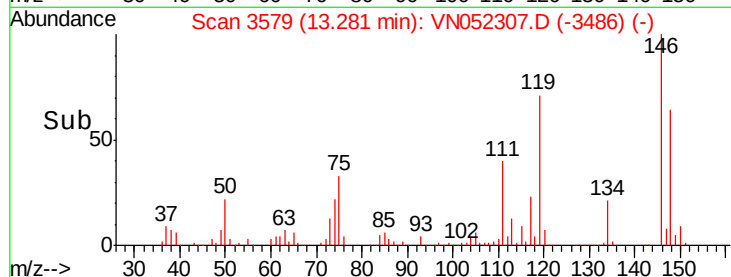
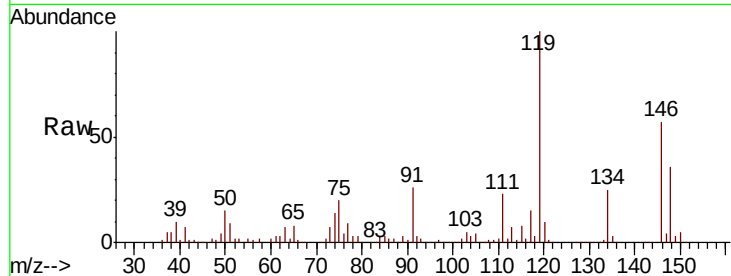
#87
 1,3-Dichlorobenzene
 Concen: 49.473 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	61.0
148	63.6	31.8	95.4

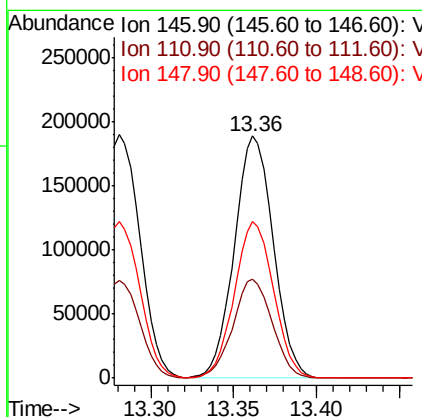
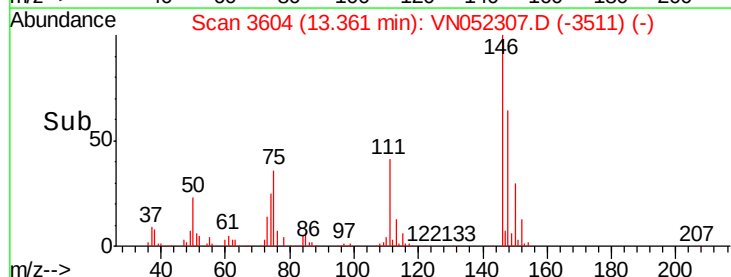
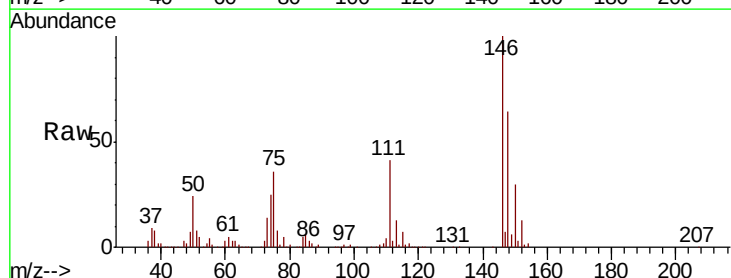
Manual Integrations
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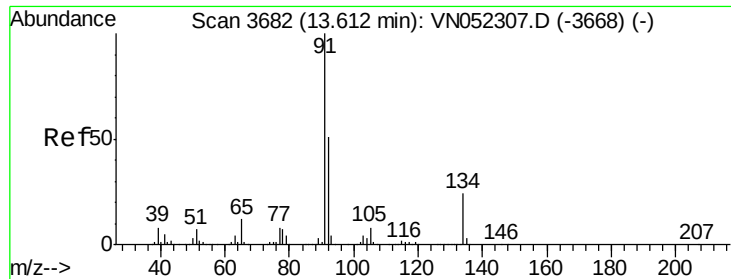
MMDadoda
 11/20/2018 2:58:18 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.013 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.8
148	64.8	32.4	97.2





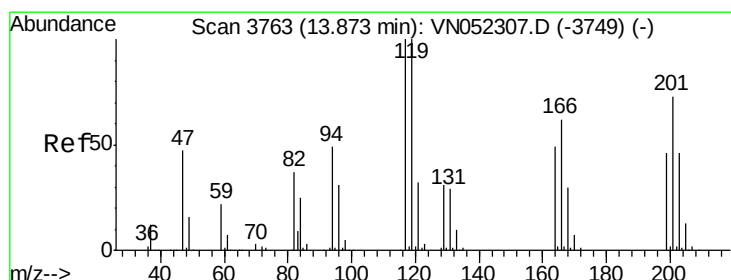
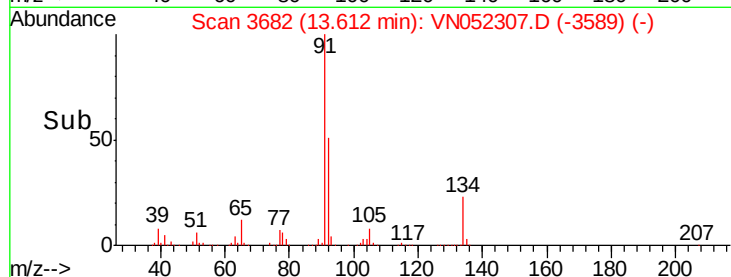
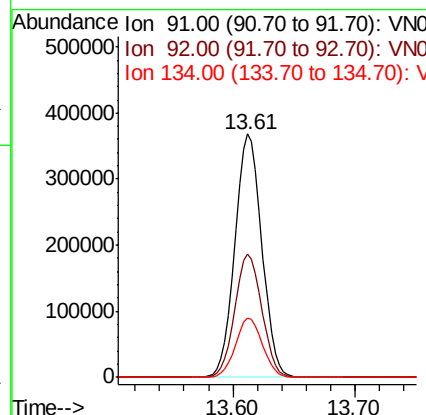
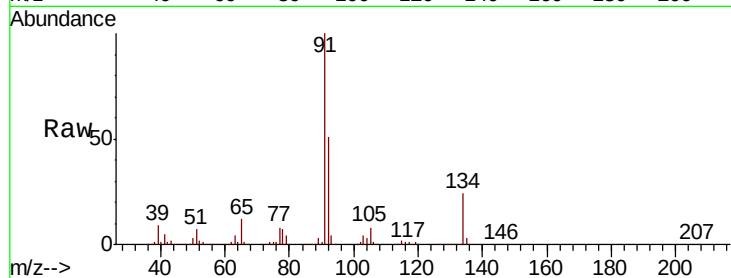
#89
n-Butylbenzene
Concen: 53.047 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.4	76.2
134	24.3	12.2	36.4

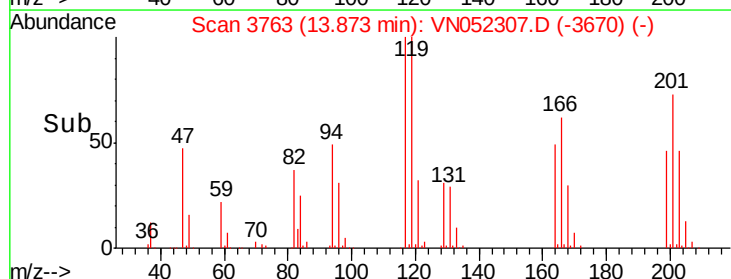
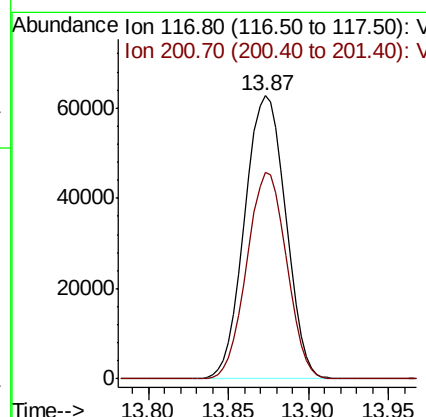
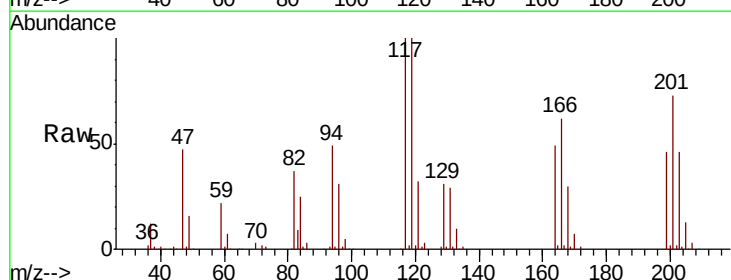
Manual Integrations
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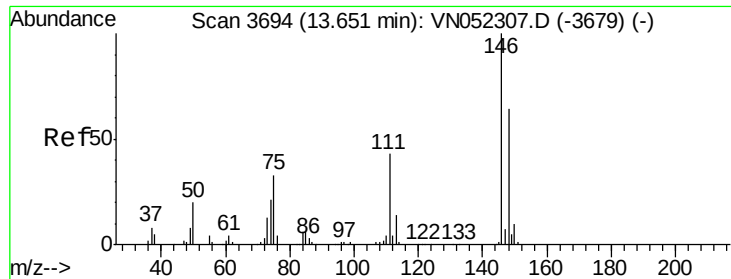
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#90
Hexachloroethane
Concen: 50.058 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.6	35.3	105.9





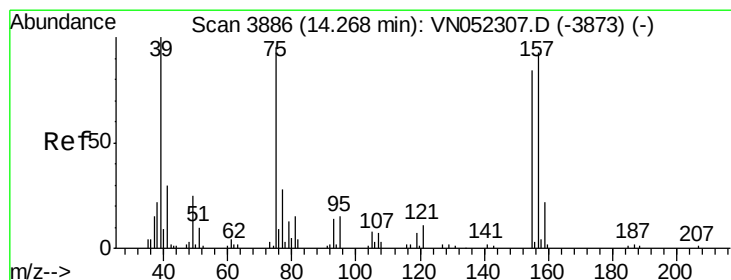
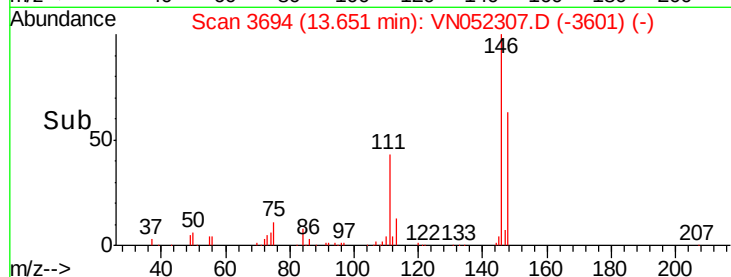
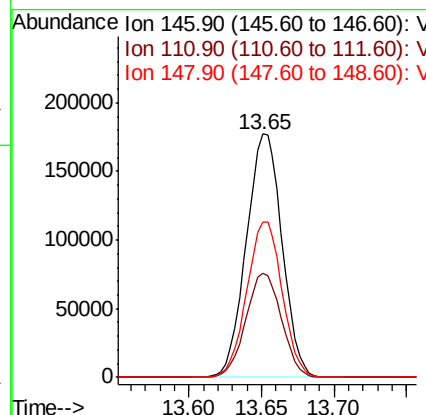
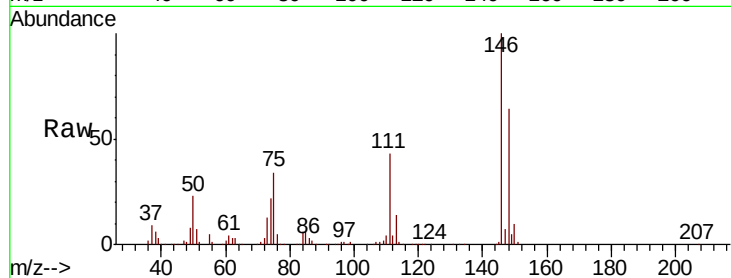
#91
 1,2-Dichlorobenzene
 Concen: 49.556 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	63.2	31.6	94.8

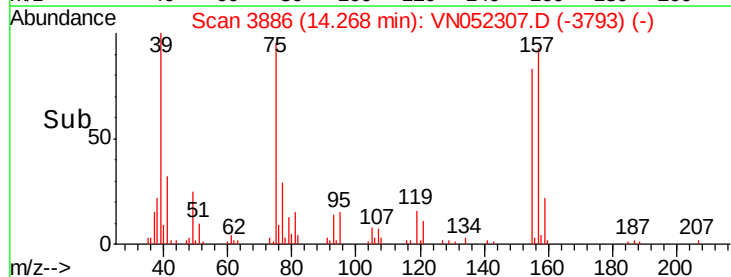
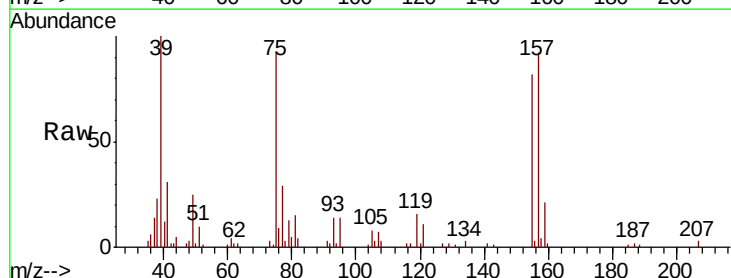
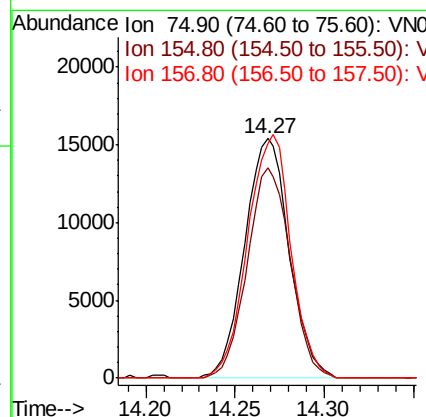
Manual Integrations
 APPROVED

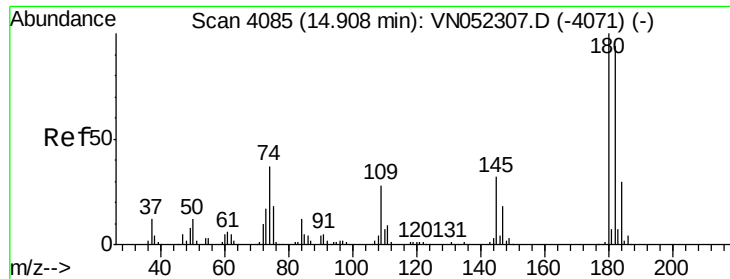
MMDadoda
 11/20/2018 2:58:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.955 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.9	42.4	127.3
157	99.3	49.6	149.0





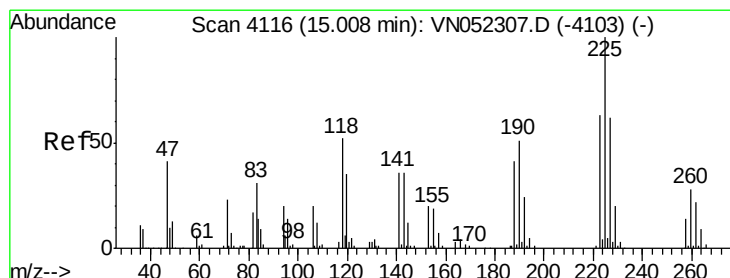
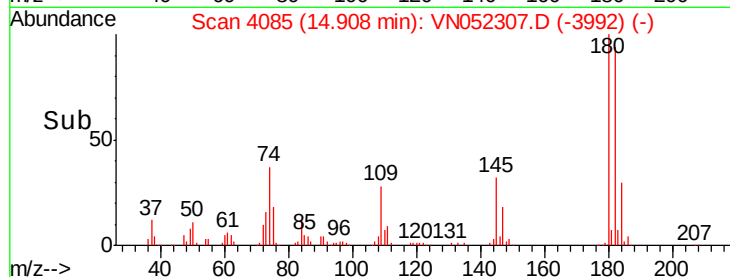
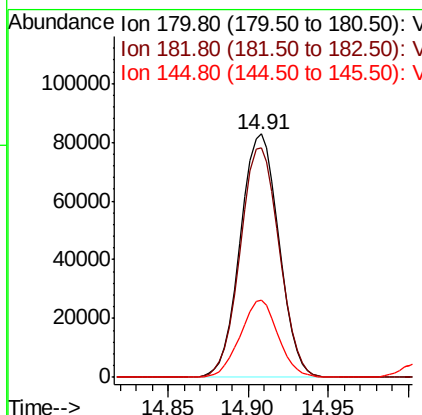
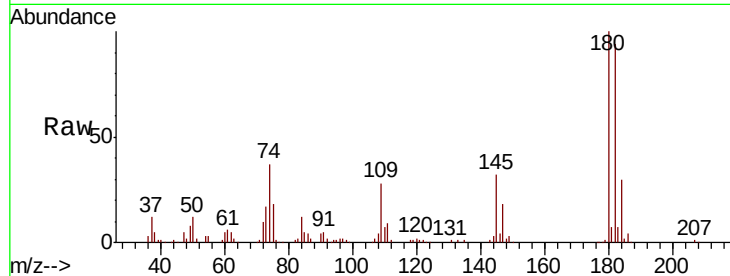
#93
 1,2,4-Trichlorobenzene
 Concen: 53.991 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	47.6	142.9	
145	31.0	15.5	46.5	

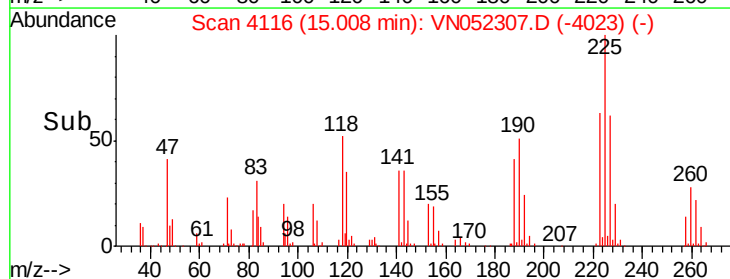
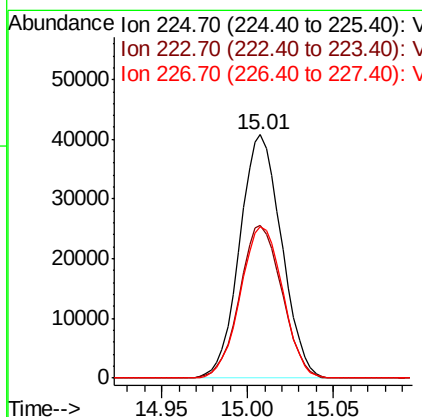
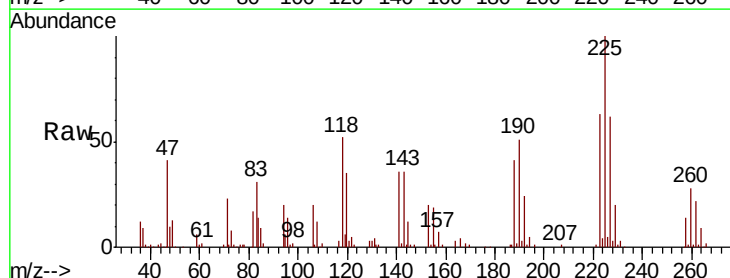
Manual Integrations
 APPROVED

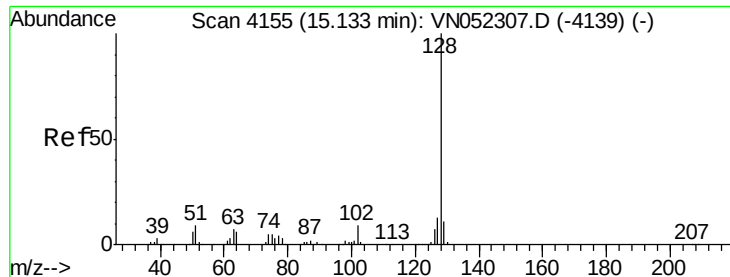
MMDadoda
 11/20/2018 2:58:18 PM



#94
 Hexachlorobutadiene
 Concen: 49.069 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052307.D
 Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	31.9	95.5	
227	63.3	31.6	95.0	





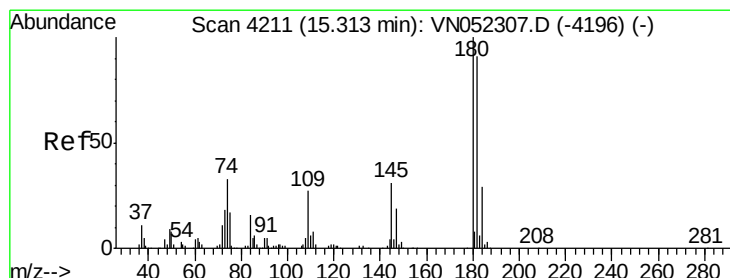
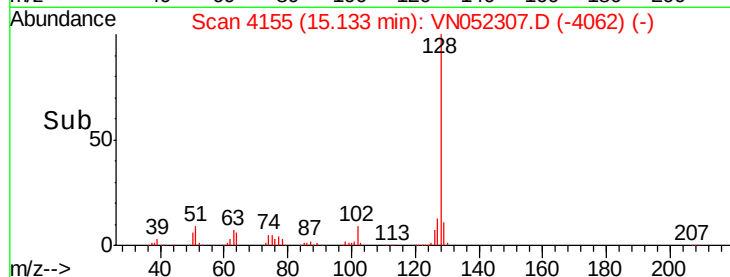
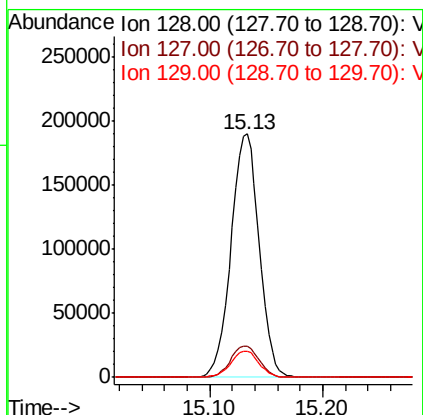
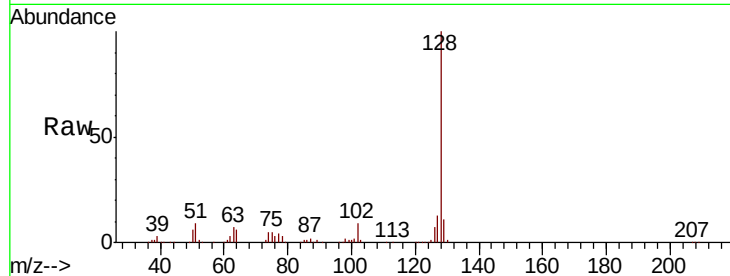
#95
Naphthalene
Concen: 57.357 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/20/2018 2:58:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.190 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052307.D
Acq: 14 Nov 2018 11:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	46.5	139.3
145	32.8	16.4	49.2

