

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\
 Data File : VN053673.D
 Acq On : 8 Feb 2019 11:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 11:00:32 AM

Quant Time: Feb 09 02:43:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	697267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1028477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	895185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	439697	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	327730	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	
35) Dibromofluoromethane	7.59	113	319719	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	10.09	98	1190995	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.40	95	400558	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	365691	46.544	ug/l	99
3) Chloromethane	2.06	50	384737	46.477	ug/l	99
4) Vinyl Chloride	2.19	62	374930	46.658	ug/l	100
5) Bromomethane	2.57	94	259160	49.325	ug/l	96
6) Chloroethane	2.71	64	243099	52.939	ug/l	97
7) Trichlorofluoromethane	3.02	101	549685	50.443	ug/l	98
8) Diethyl Ether	3.41	74	183350	46.072	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	332567	49.347	ug/l	98
10) Methyl Iodide	3.96	142	487569	46.093	ug/l	100
11) Tert butyl alcohol	4.78	59	96857	233.967	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	302754	46.889	ug/l	99
13) Acrolein	3.61	56	61108	271.118	ug/l	100
14) Allyl chloride	4.33	41	480967	46.783	ug/l	99
15) Acrylonitrile	4.99	53	544709	243.733	ug/l	98
16) Acetone	3.81	43	464430	258.848	ug/l	98
17) Carbon Disulfide	4.06	76	882264	43.882	ug/l	100
18) Methyl Acetate	4.32	43	258781	48.701	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	802386	49.020	ug/l	99
20) Methylene Chloride	4.55	84	349780	46.467	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	325977	46.795	ug/l	96
22) Diisopropyl ether	5.95	45	939373	49.313	ug/l	96
23) Vinyl Acetate	5.90	43	3211578	243.707	ug/l	99
24) 1,1-Dichloroethane	5.85	63	596038	46.911	ug/l	100
25) 2-Butanone	6.83	43	618431	241.674	ug/l	99
26) 2,2-Dichloropropane	6.83	77	454131	46.822	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	374064	48.291	ug/l	98
28) Bromochloromethane	7.19	49	273536	49.610	ug/l	97
29) Tetrahydrofuran	7.21	42	388265	236.289	ug/l	98
30) Chloroform	7.37	83	599605	47.606	ug/l	98
31) Cyclohexane	7.65	56	547850	46.299	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	507682	48.435	ug/l	99
36) 1,1-Dichloropropene	7.79	75	464215	50.071	ug/l	99
37) Ethyl Acetate	6.93	43	259565	50.129	ug/l	99
38) Carbon Tetrachloride	7.77	117	459332	49.181	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	556521	50.597	ug/l	99
40) Benzene	8.04	78	1382628	48.361	ug/l	100
41) Methacrylonitrile	7.17	41	142956	49.398	ug/l	91
42) 1,2-Dichloroethane	8.12	62	411420	48.466	ug/l	98
43) Isopropyl Acetate	8.16	43	450923	45.094	ug/l	99
44) Trichloroethene	8.83	130	393166	48.305	ug/l	97
45) 1,2-Dichloropropane	9.12	63	361078	49.378	ug/l	100
46) Dibromomethane	9.21	93	215191	48.817	ug/l	97
47) Bromodichloromethane	9.40	83	457464	49.913	ug/l	99
48) Methyl methacrylate	9.20	41	222114	46.533	ug/l	93
49) 1,4-Dioxane	9.20	88	65383	947.459	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1201585	244.529	ug/l	99
52) Toluene	10.16	92	845531	49.832	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	457784	49.881	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	539079	49.569	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	308447	50.448	ug/l	99
56) Ethyl methacrylate	10.43	69	360966	49.905	ug/l	98
57) 1,3-Dichloropropane	10.71	76	510484	48.852	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	912296	204.868	ug/l	98
59) 2-Hexanone	10.75	43	790998	237.118	ug/l	99
60) Dibromochloromethane	10.90	129	353340	51.247	ug/l	100
61) 1,2-Dibromoethane	11.01	107	291293	48.135	ug/l	100
64) Tetrachloroethene	10.63	164	378118	49.275	ug/l	98
65) Chlorobenzene	11.44	112	932890	49.062	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	341478	51.422	ug/l	100
67) Ethyl Benzene	11.51	91	1561231	49.983	ug/l	100
68) m/p-Xylenes	11.62	106	1231530	103.305	ug/l	99
69) o-Xylene	11.95	106	593400	51.523	ug/l	99
70) Styrene	11.97	104	963823	51.632	ug/l	100
71) Bromoform	12.13	173	242649	53.298	ug/l #	99
73) Isopropylbenzene	12.25	105	1555180	50.313	ug/l	100
74) N-amyl acetate	12.07	43	370254	49.813	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	349830	47.290	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	284769m	50.423	ug/l	
77) Bromobenzene	12.53	156	404895	48.604	ug/l	98
78) n-propylbenzene	12.59	91	1817886	50.875	ug/l	100
79) 2-Chlorotoluene	12.67	91	1069614	50.455	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1352600	52.770	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	96894	48.243	ug/l	99
82) 4-Chlorotoluene	12.77	91	1082108	49.744	ug/l	99
83) tert-Butylbenzene	12.99	119	1178705	52.030	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1383543	52.980	ug/l	100
85) sec-Butylbenzene	13.17	105	1618770	52.510	ug/l	100
86) p-Isopropyltoluene	13.29	119	1443177	53.527	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	745381	49.774	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	729108	49.219	ug/l	99
89) n-Butylbenzene	13.62	91	1245961	53.390	ug/l	100
90) Hexachloroethane	13.88	117	239344	53.818	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	714268	49.821	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50909	48.288	ug/l	99

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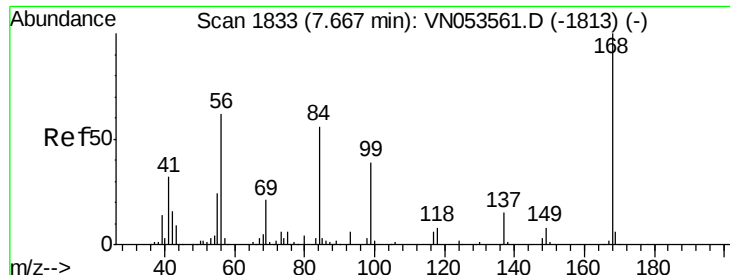
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	426950	51.925	ug/l	98
94) Hexachlorobutadiene	15.01	225	272711	53.257	ug/l	99
95) Naphthalene	15.13	128	838777	43.654	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	394647	51.727	ug/l	99

(#) = 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: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 697267

Ion Ratio Lower Upper

168 100

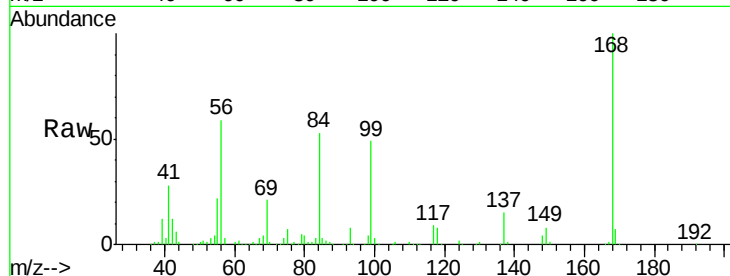
99 48.1 39.1 58.7

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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

250000

200000

150000

100000

50000

0

Time-->

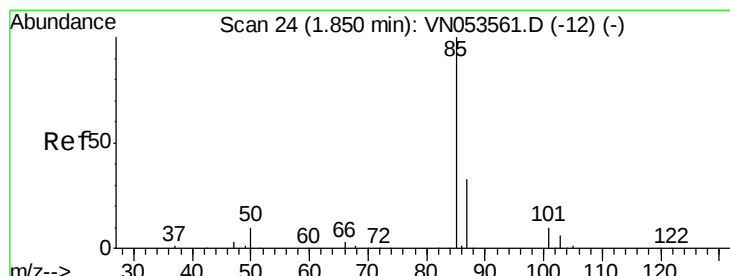
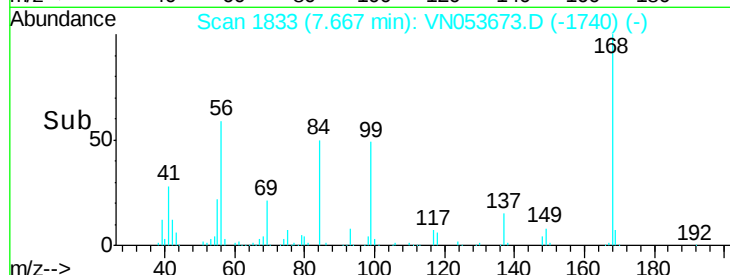
7.50

7.60

7.70

7.80

7.90



#2

Dichlorodifluoromethane

Concen: 46.544 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053673.D

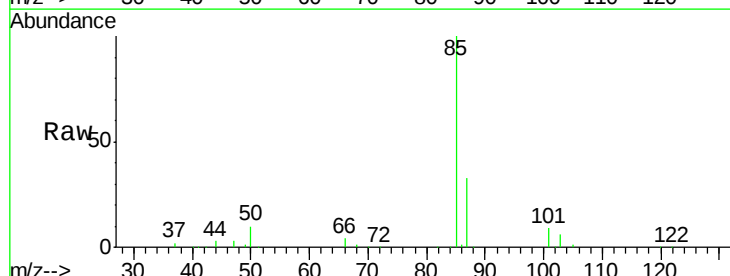
Acq: 8 Feb 2019 11:02

Tgt Ion: 85 Resp: 365691

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

100000

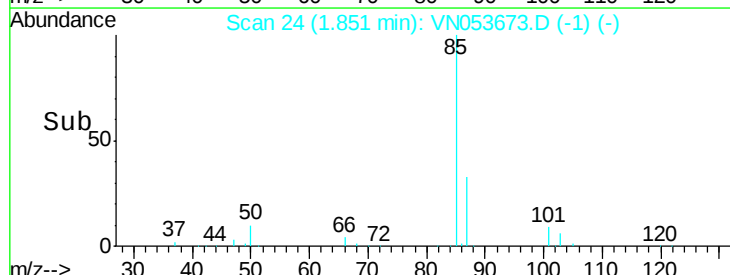
50000

0

Time-->

1.80

1.90





#3

Chloromethane

Concen: 46.477 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 384737

Ion Ratio Lower Upper

50 100

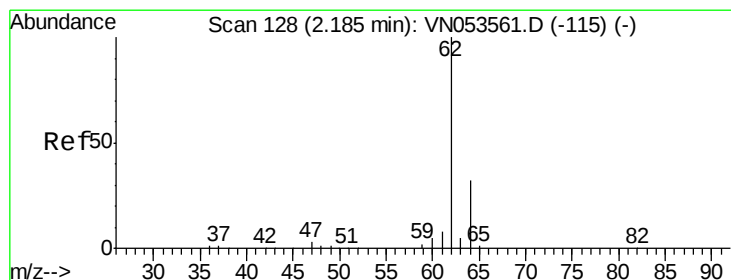
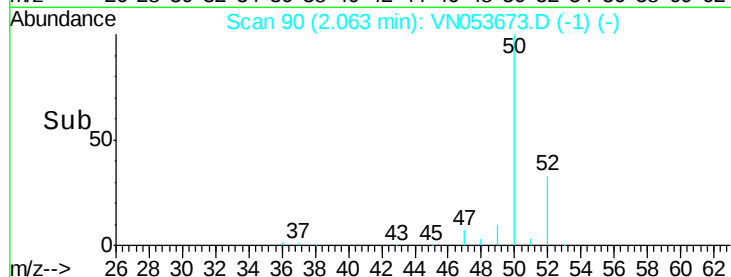
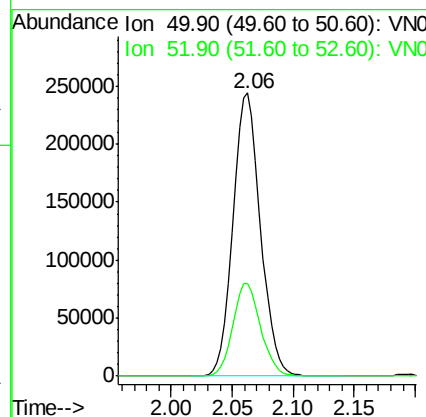
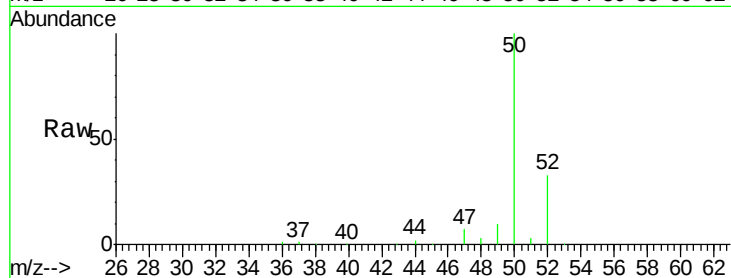
52 32.9 26.6 40.0

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#4

Vinyl Chloride

Concen: 46.658 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053673.D

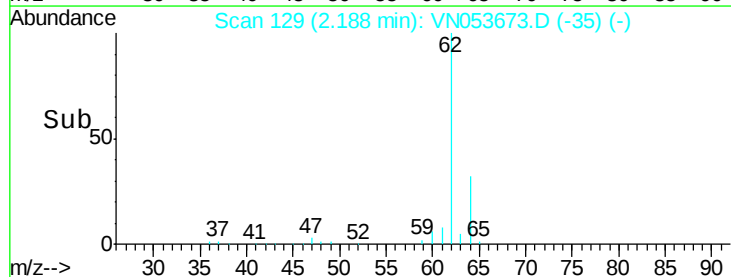
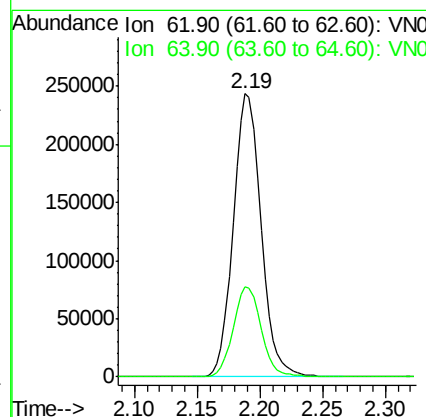
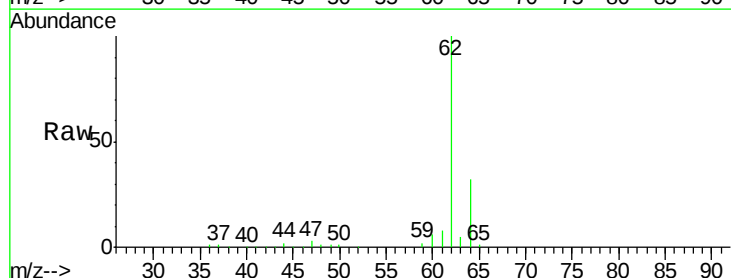
Acq: 8 Feb 2019 11:02

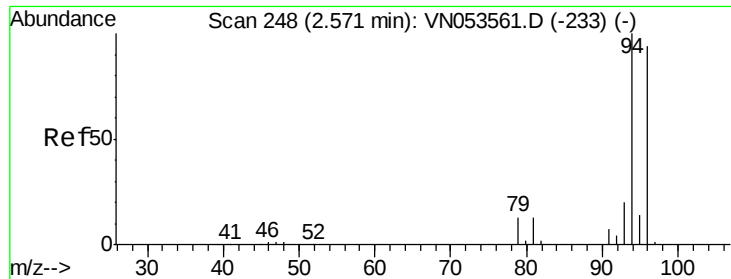
Tgt Ion: 62 Resp: 374930

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 49.325 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 259160

Ion Ratio Lower Upper

94 100

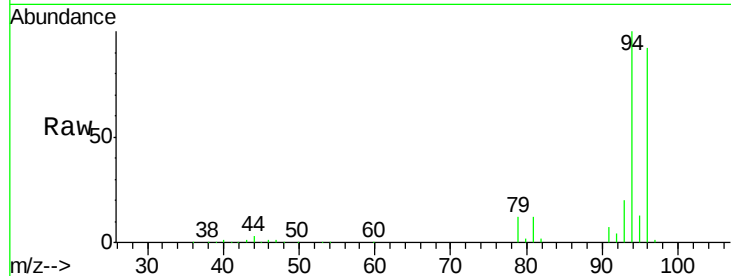
96 92.5 76.8 115.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

150000

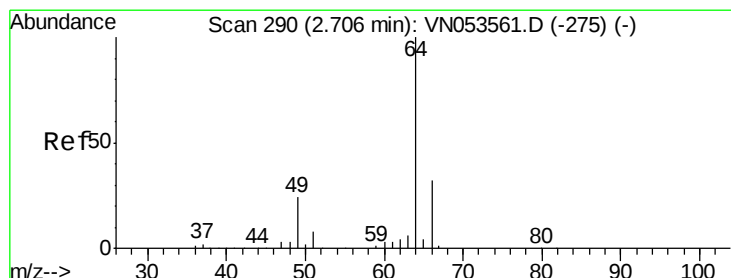
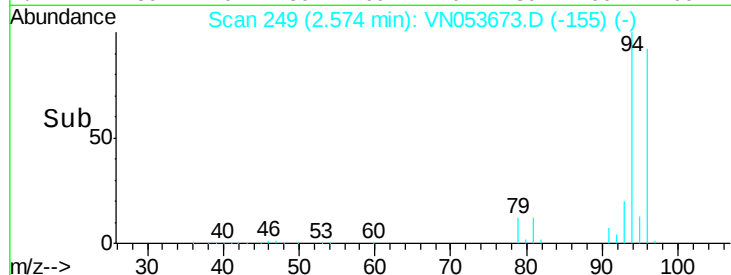
100000

50000

0

Time-->

2.50 2.60 2.70



#6

Chloroethane

Concen: 52.939 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053673.D

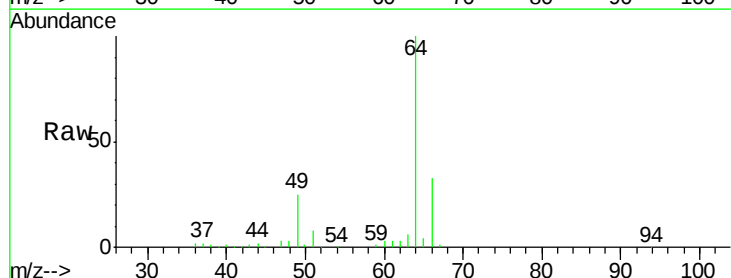
Acq: 8 Feb 2019 11:02

Tgt Ion: 64 Resp: 243099

Ion Ratio Lower Upper

64 100

66 33.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.71

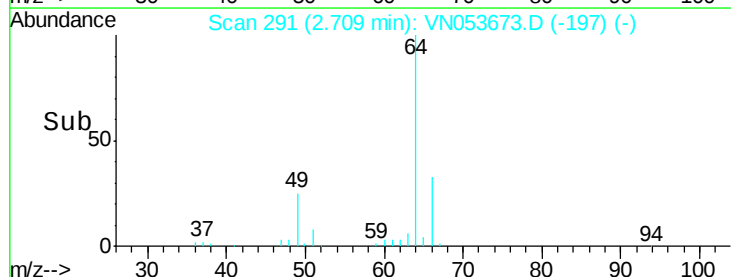
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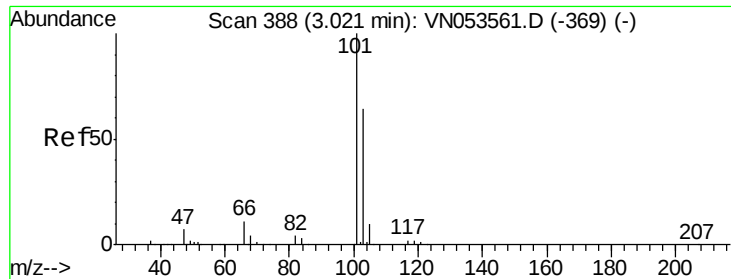
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Time-->

2.60 2.70 2.80





#7

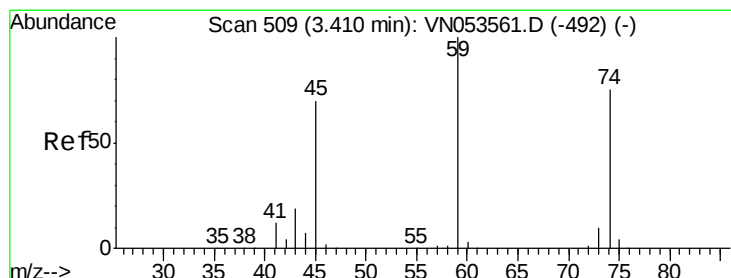
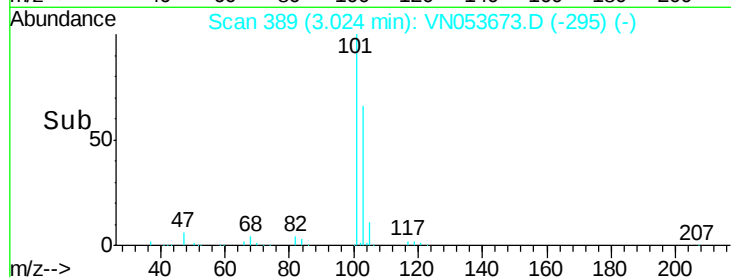
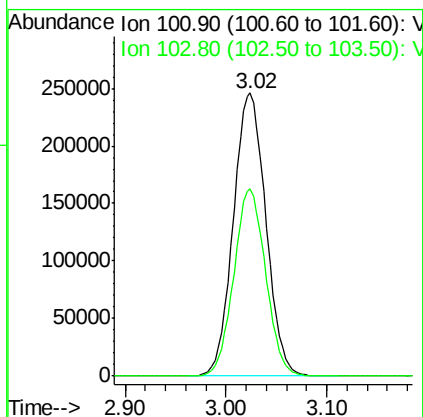
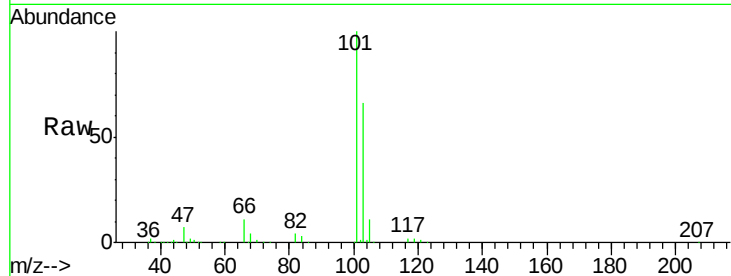
Trichlorofluoromethane
Concen: 50.443 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053673.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.6	77.4

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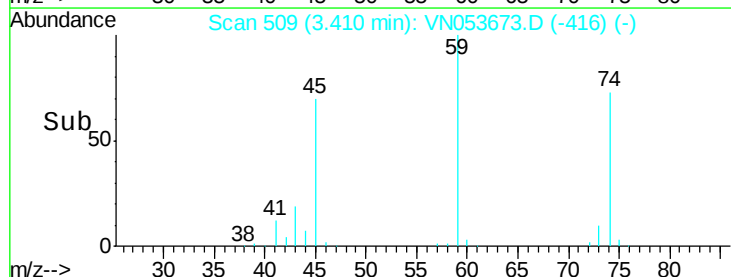
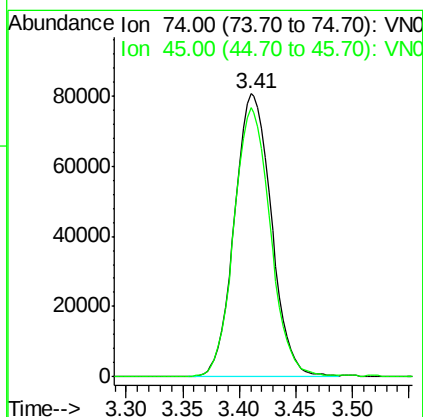
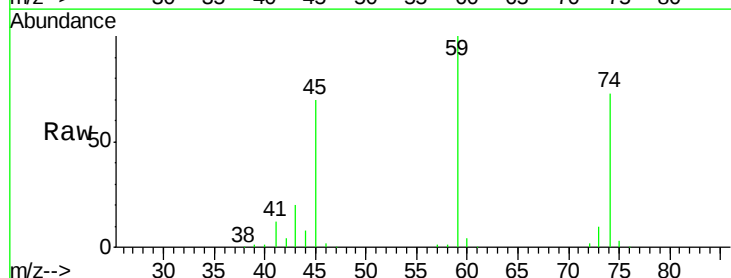
MMDadoda
2/11/2019 11:00:32 AM



#8

Diethyl Ether
Concen: 46.072 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.347 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

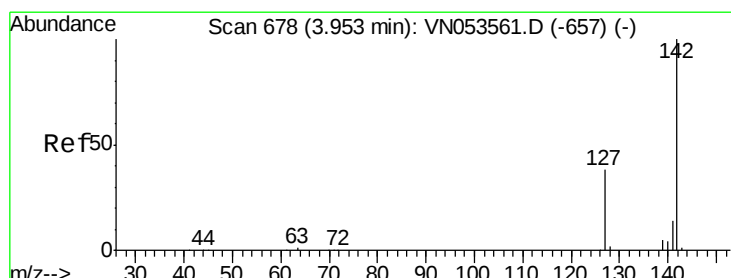
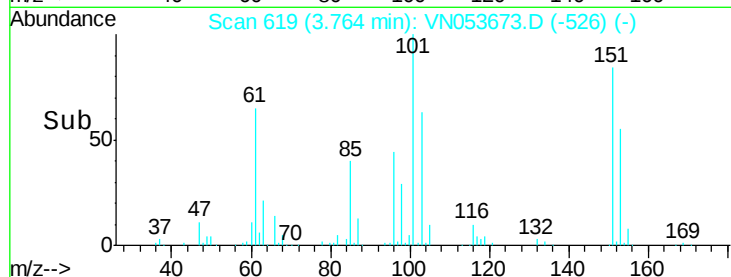
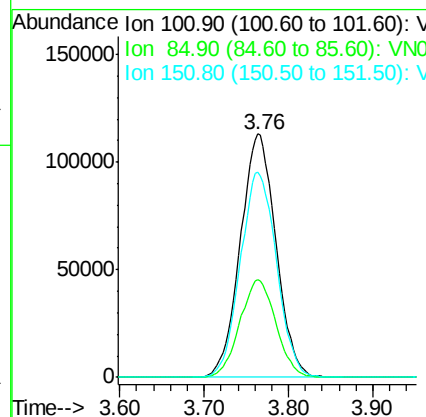
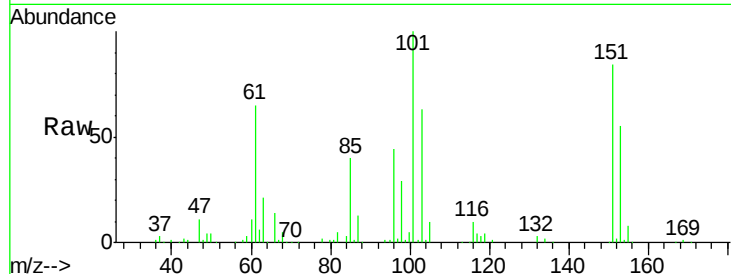
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	332567
Ion Ratio	Lower	Upper	
101	100		
85	40.6	32.8	49.2
151	85.8	66.9	100.3

Manual Integrations
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2/11/2019 11:00:32 AM



#10

Methyl Iodide

Concen: 46.093 ug/l

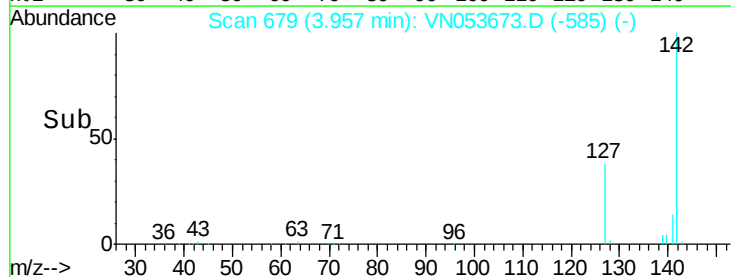
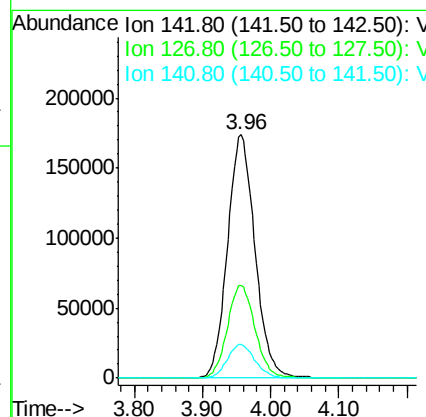
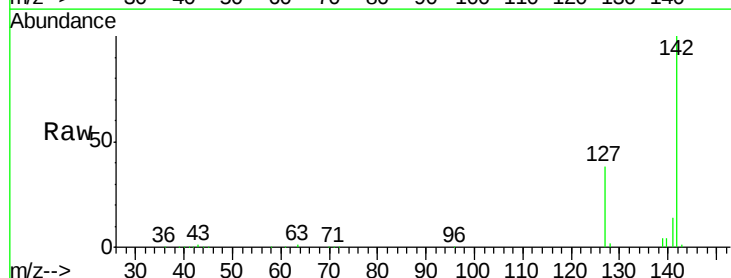
RT: 3.96 min Scan# 679

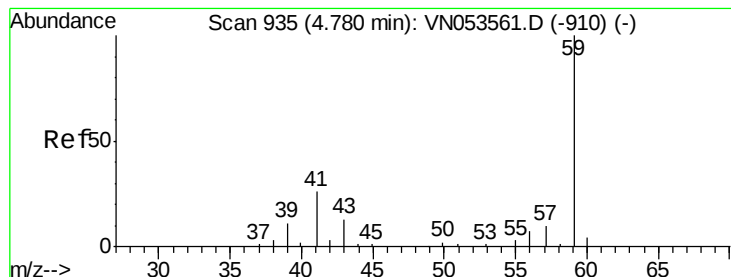
Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Tgt Ion:	142	Resp:	487569
Ion Ratio	Lower	Upper	
142	100		
127	38.6	31.0	46.4
141	13.9	11.1	16.7





#11

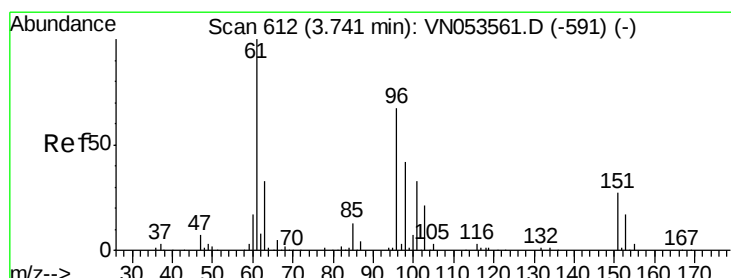
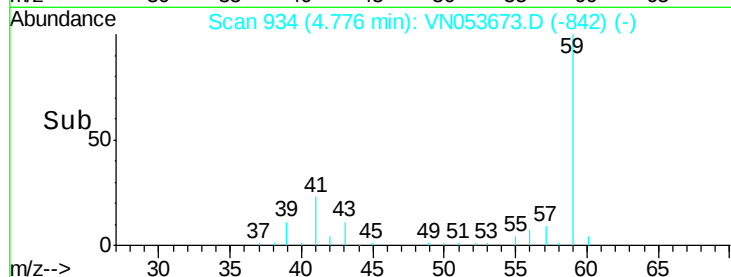
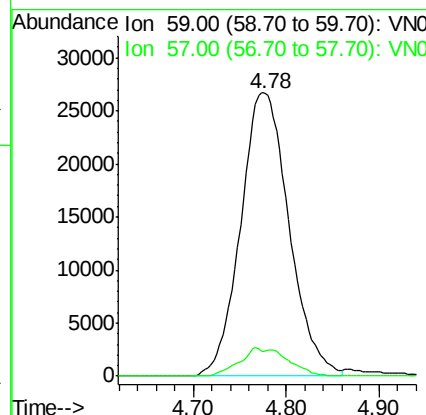
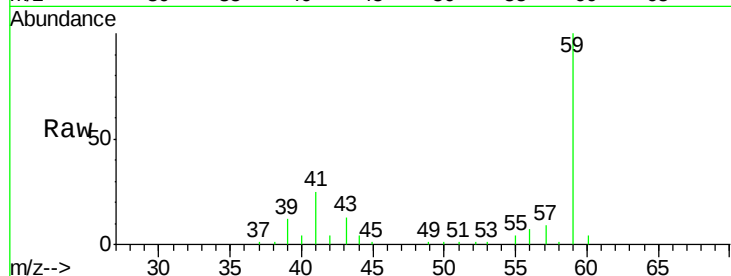
Tert butyl alcohol
 Concen: 233.967 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	96857		
57	5.1		8.2	12.4#

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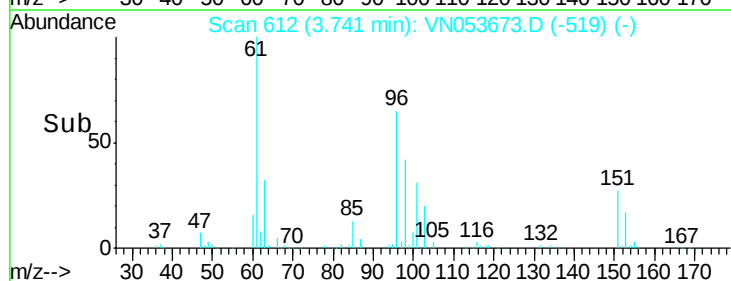
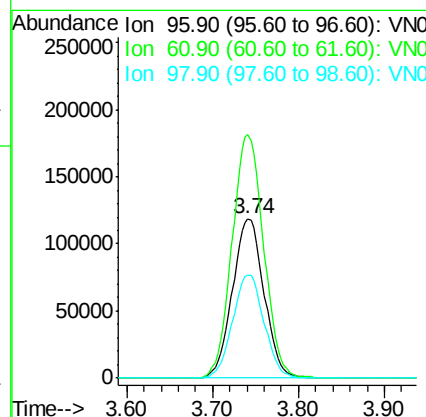
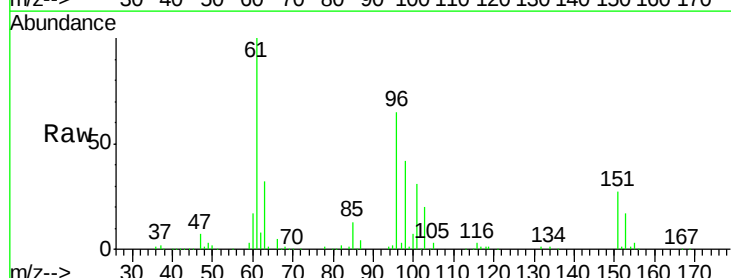
MMDadoda
 2/11/2019 11:00:32 AM

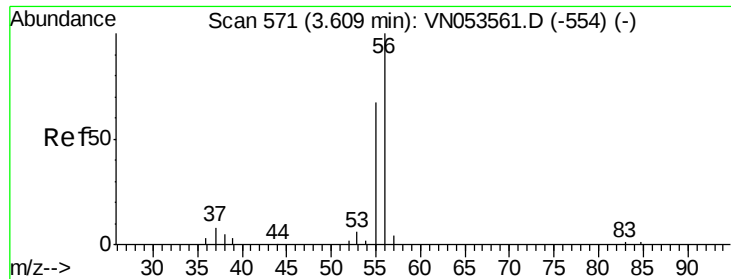


#12

1,1-Dichloroethene
 Concen: 46.889 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	302754		
61	152.9		122.9	184.3
98	64.5		49.4	74.0





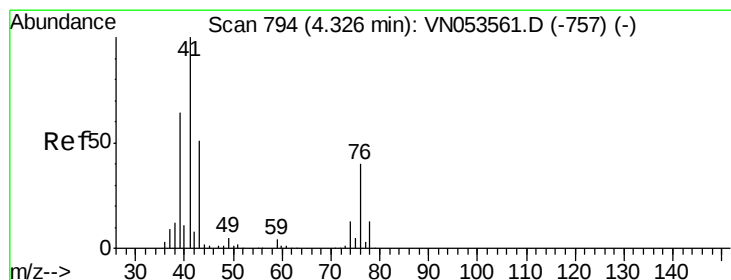
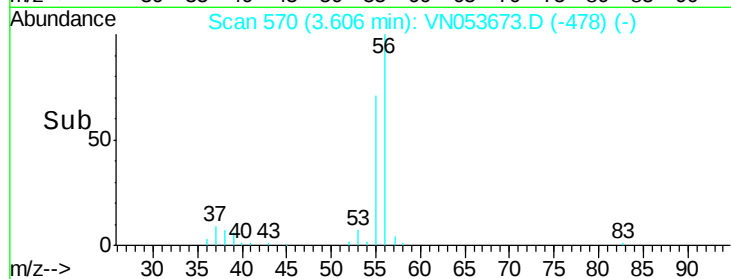
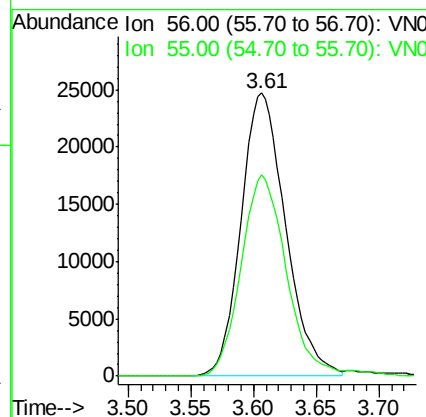
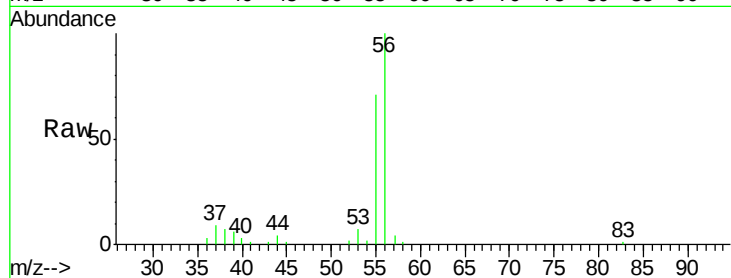
#13
Acrolein
Concen: 271.118 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	61108
Ion Ratio	100	Lower	Upper
55	71.4	57.4	86.0

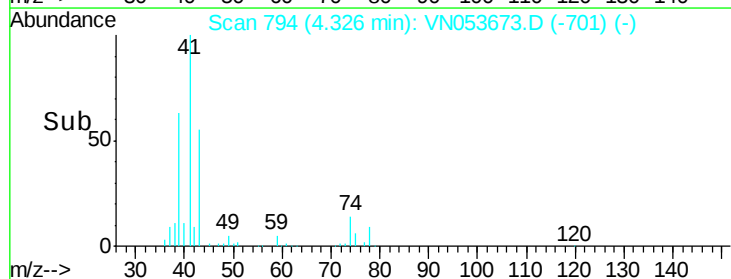
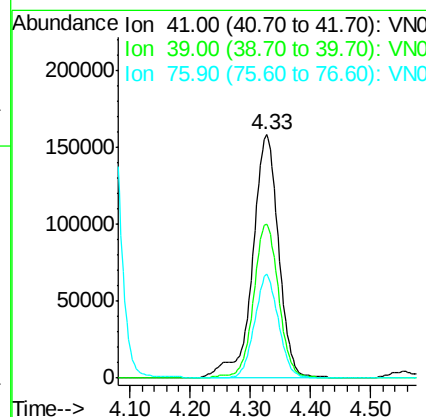
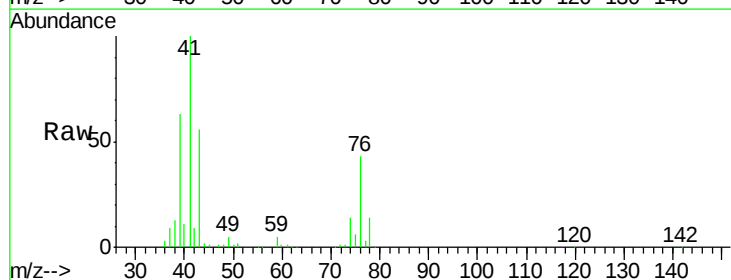
Manual Integrations
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2/11/2019 11:00:32 AM



#14
Allyl chloride
Concen: 46.783 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion	41	Resp	480967
Ion Ratio	100	Lower	Upper
39	60.9	48.9	73.3
76	38.3	29.4	44.2





#15

Acrylonitrile

Concen: 243.733 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

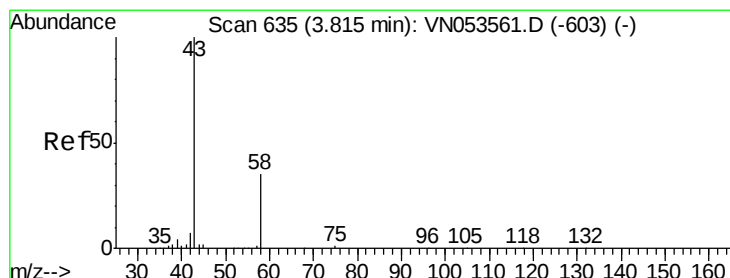
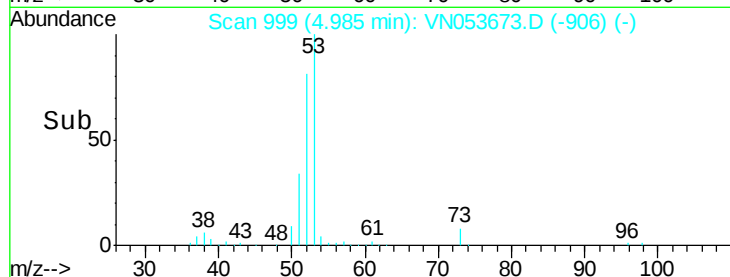
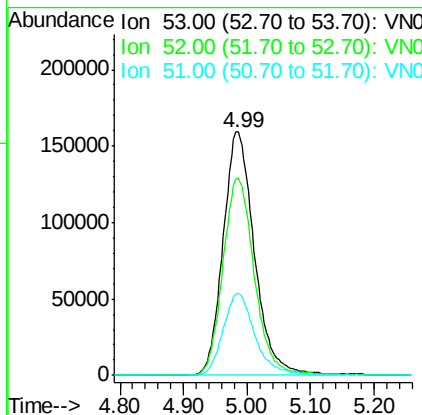
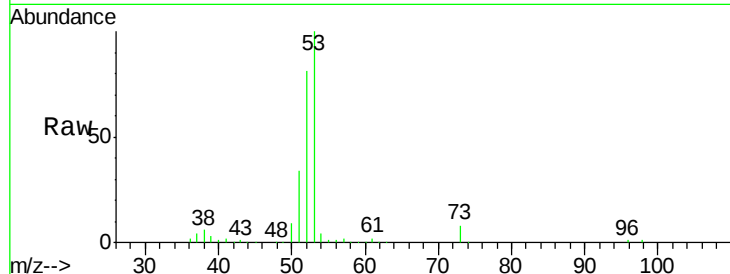
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	544709
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.0	99.0
51	34.4	28.3	42.5

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#16

Acetone

Concen: 258.848 ug/l

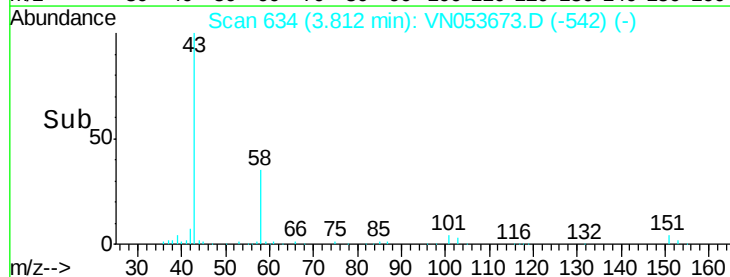
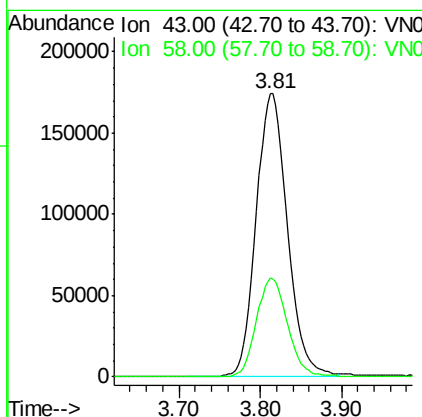
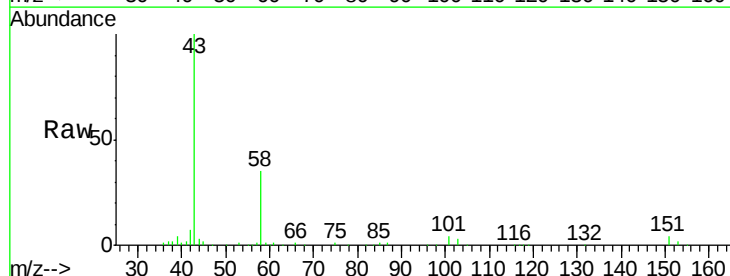
RT: 3.81 min Scan# 634

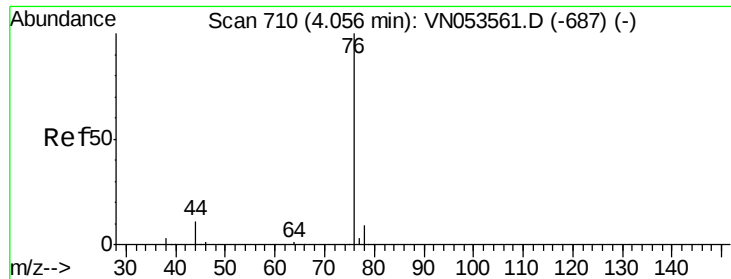
Delta R.T. -0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Tgt Ion:	43	Resp:	464430
Ion	Ratio	Lower	Upper
43	100		
58	34.8	27.1	40.7





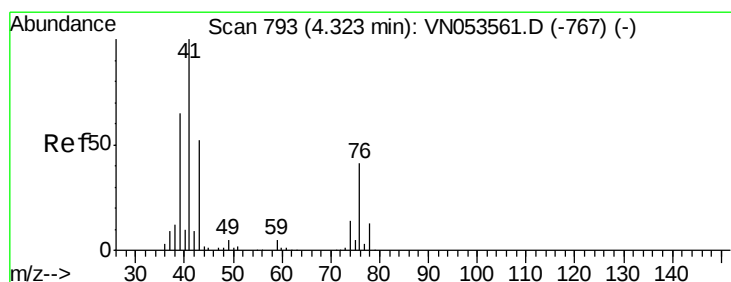
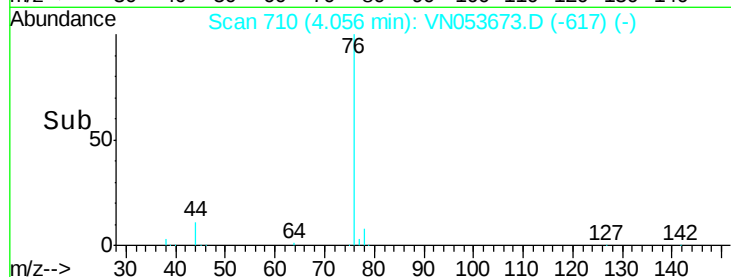
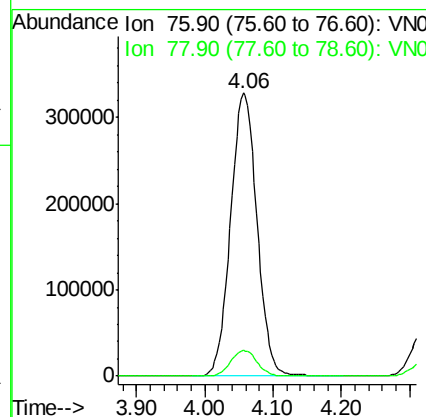
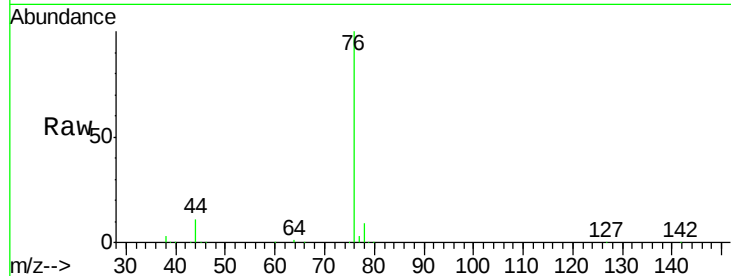
#17
Carbon Disulfide
Concen: 43.882 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

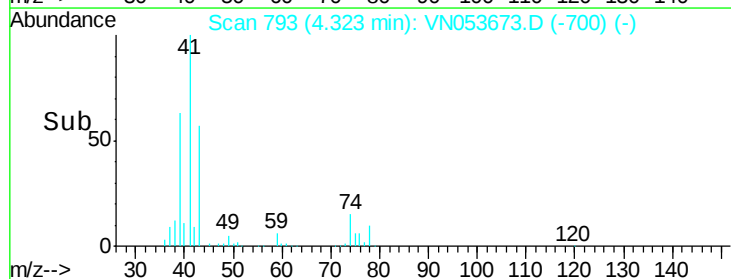
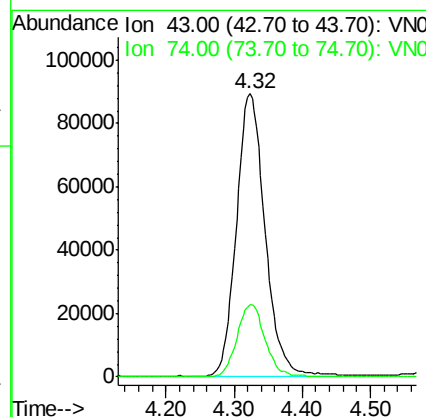
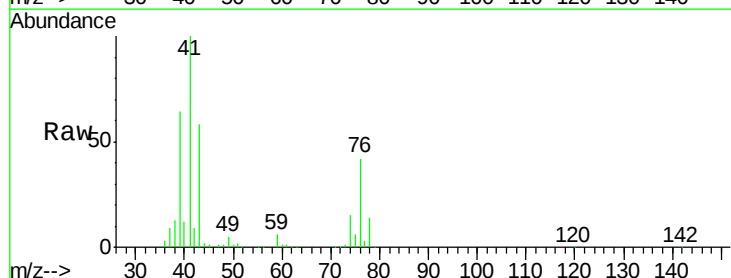
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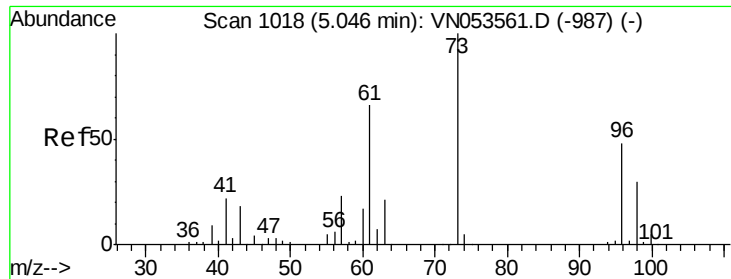
MMDadoda
2/11/2019 11:00:32 AM



#18
Methyl Acetate
Concen: 48.701 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	19.4	29.2





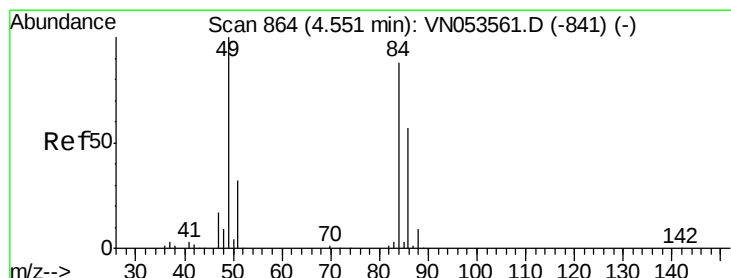
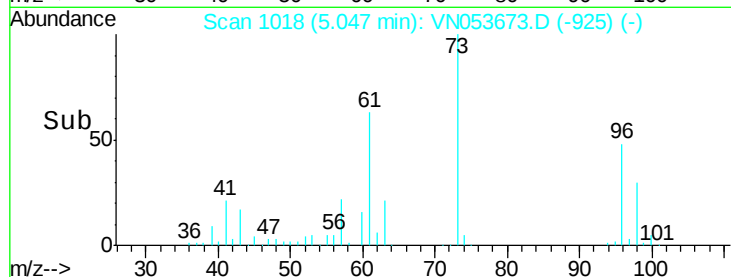
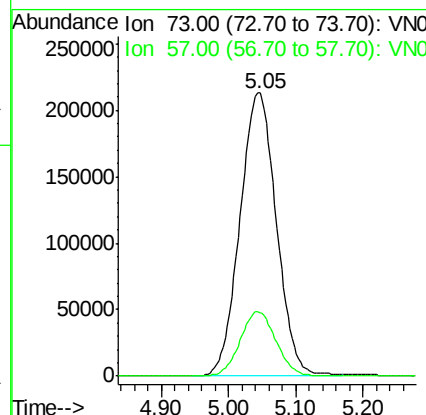
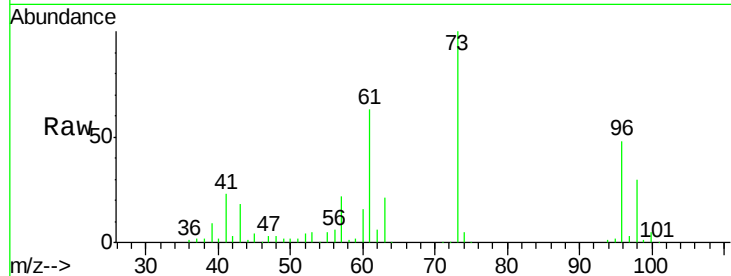
#19
Methvl tert-butvl Ether
Concen: 49.020 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 802386
Ion Ratio Lower Upper
73 100
57 22.4 18.3 27.5

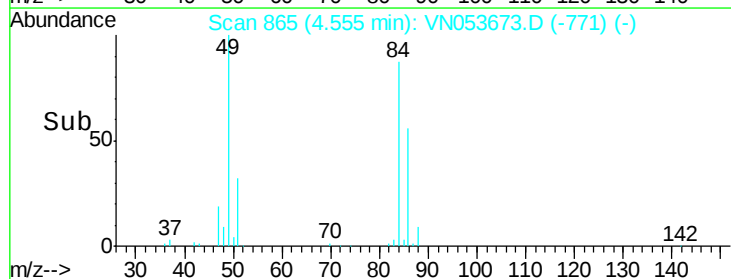
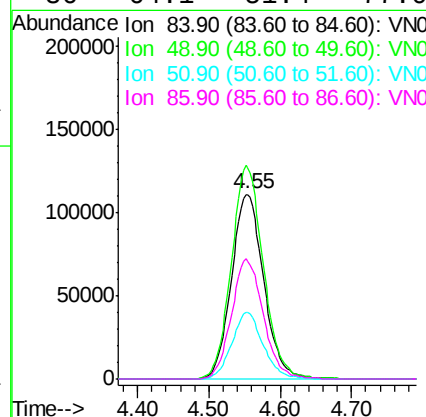
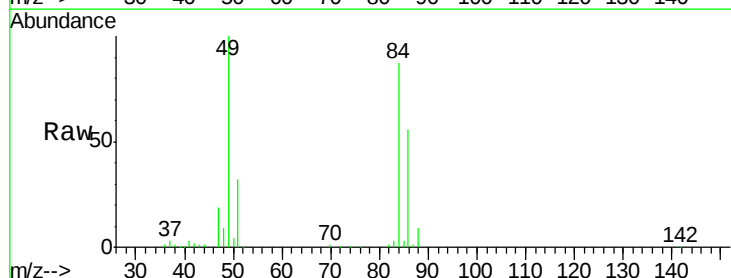
Manual Integrations
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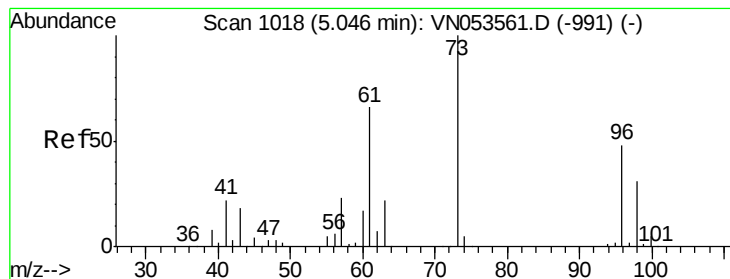
MMDadoda
2/11/2019 11:00:32 AM



#20
Methylene Chloride
Concen: 46.467 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion: 84 Resp: 349780
Ion Ratio Lower Upper
84 100
49 114.8 94.3 141.5
51 36.3 29.4 44.2
86 64.1 51.4 77.0





#21

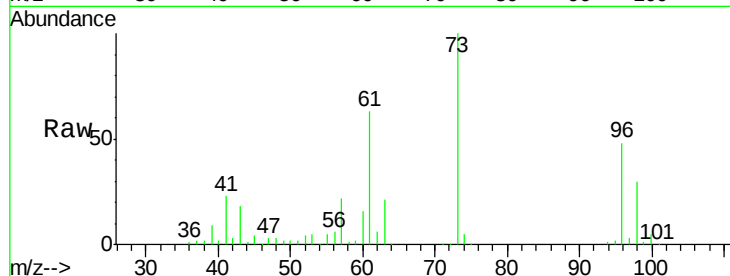
trans-1,2-Dichloroethene
Concen: 46.795 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	110.1	165.1
98	63.0	50.0	75.0

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2/11/2019 11:00:32 AM

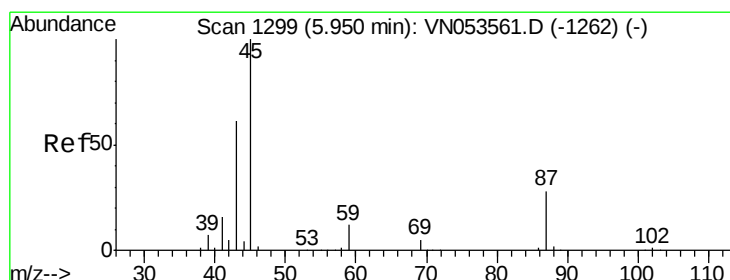
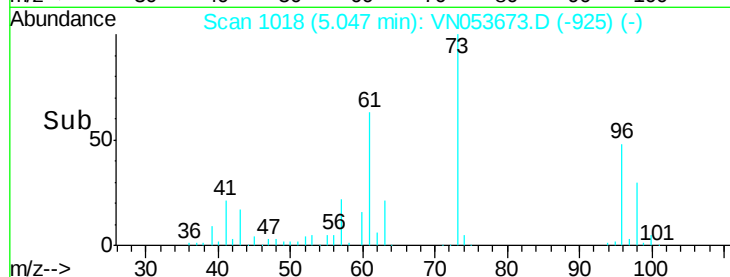
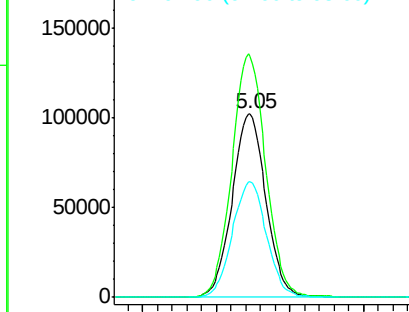


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

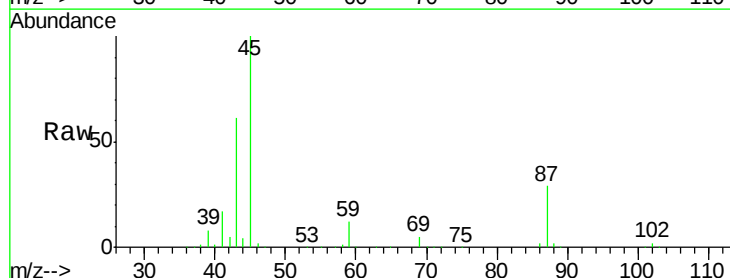
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether
Concen: 49.313 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.5	44.2	66.4
87	28.8	22.7	34.1
59	12.0	9.4	14.2



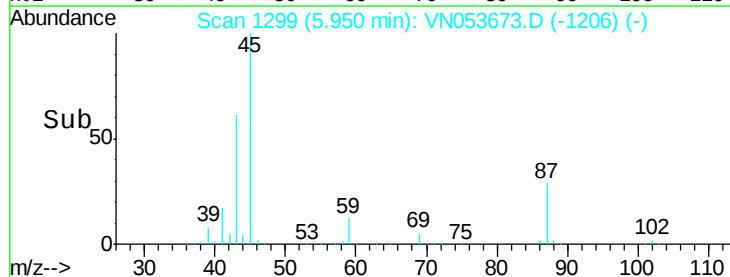
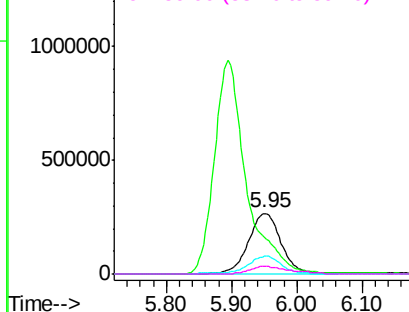
Abundance

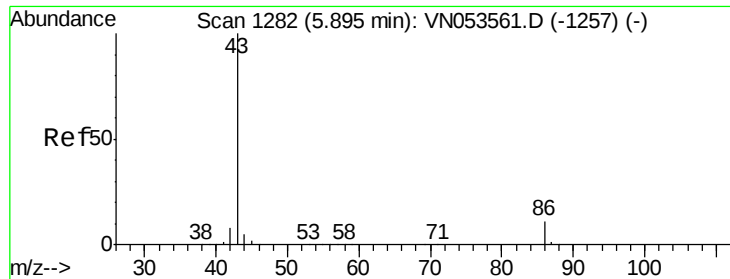
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 243.707 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3211578

Ion Ratio Lower Upper

43 100

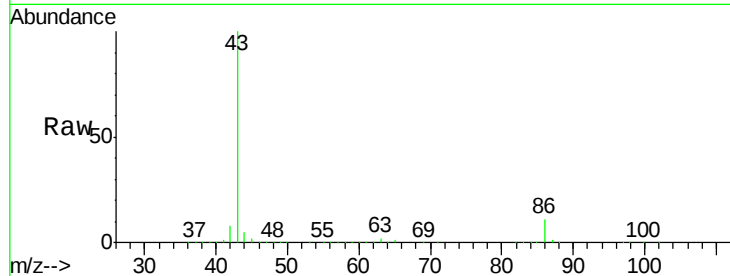
86 10.9 8.4 12.6

Manual Integrations

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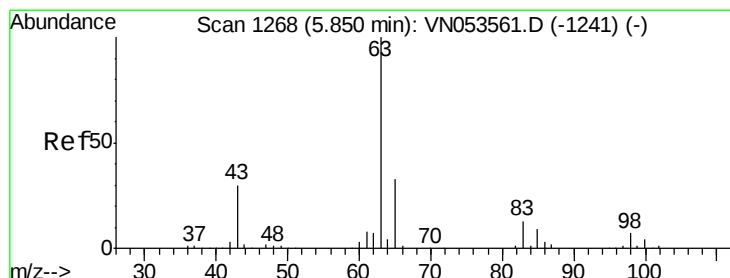
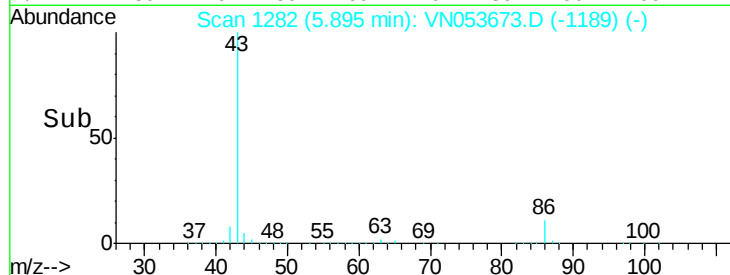
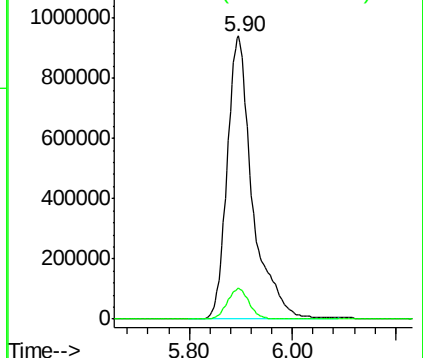
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2/11/2019 11:00:32 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 46.911 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

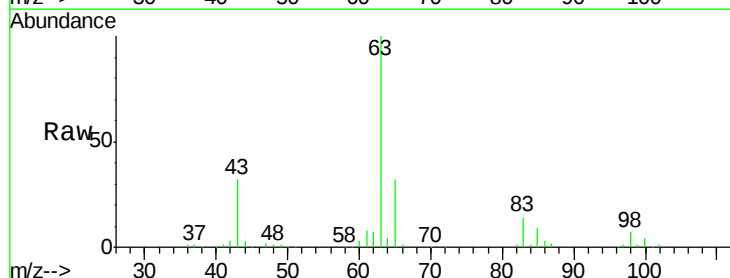
Tgt Ion: 63 Resp: 596038

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

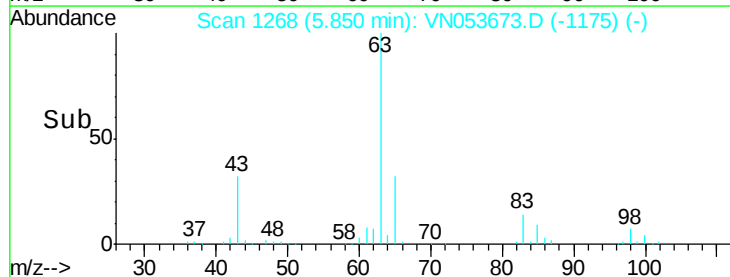
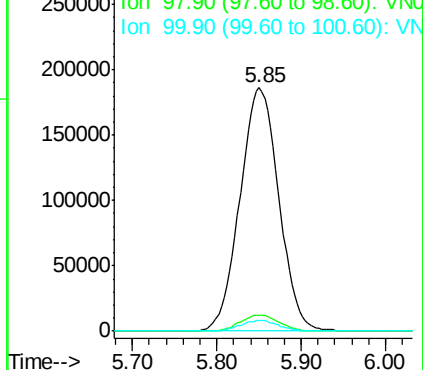
100 4.5 2.1 6.5

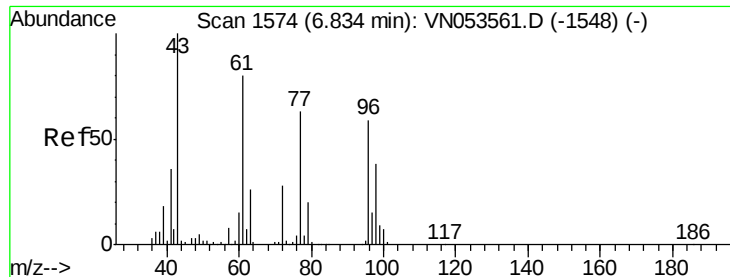


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





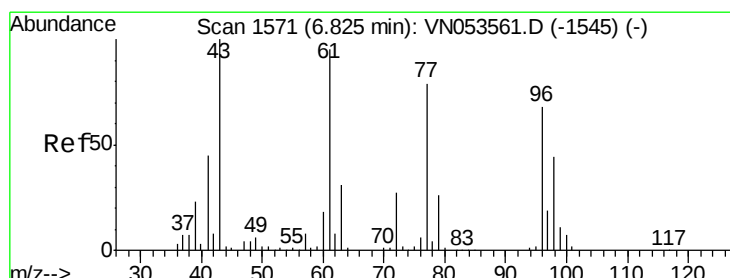
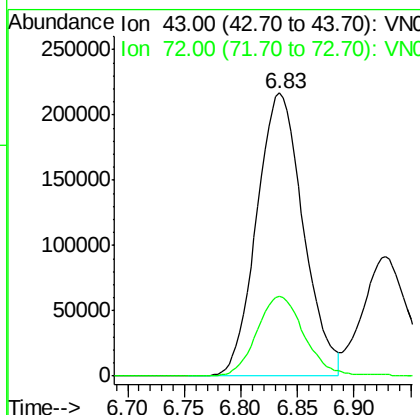
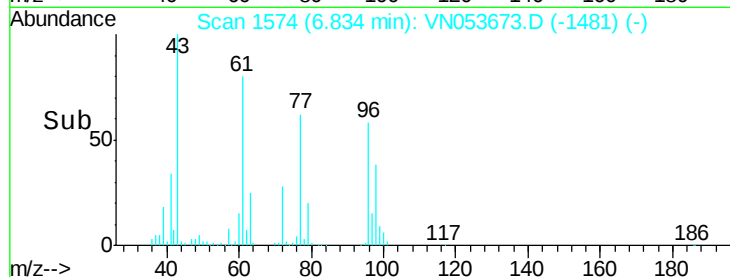
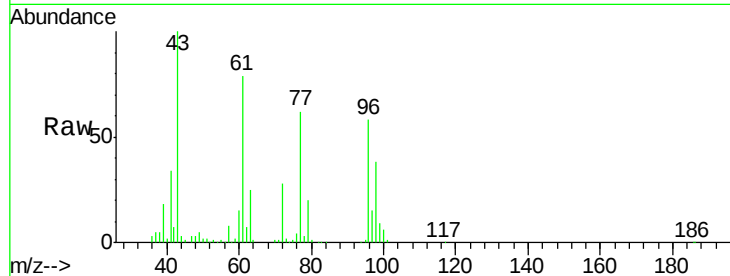
#25
2-Butanone
Concen: 241.674 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 618431
Ion Ratio Lower Upper
43 100
72 28.2 22.0 33.0

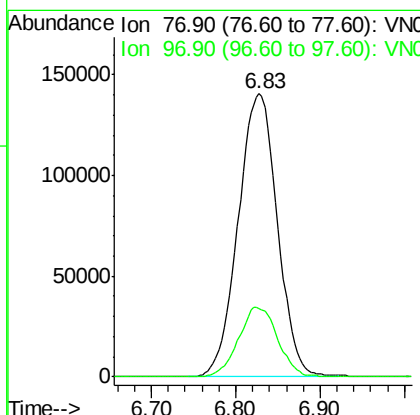
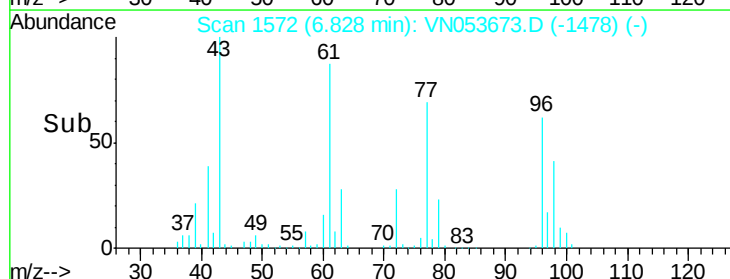
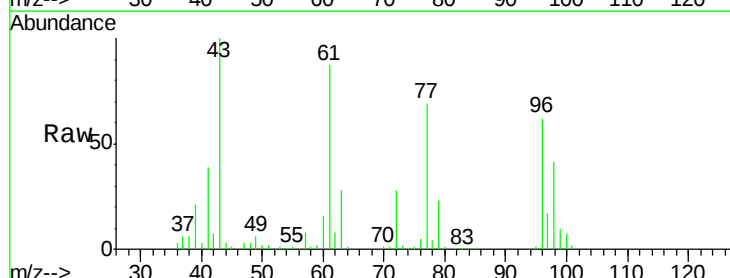
Manual Integrations
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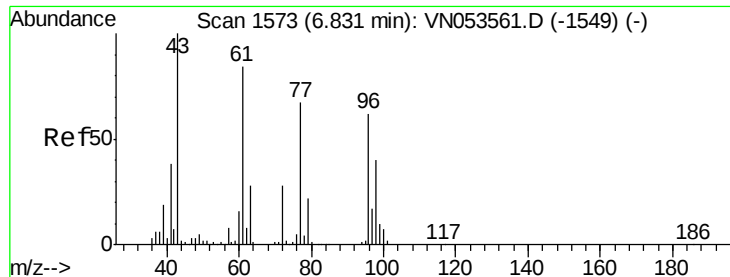
MMDadoda
2/11/2019 11:00:32 AM



#26
2,2-Dichloropropane
Concen: 46.822 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion: 77 Resp: 454131
Ion Ratio Lower Upper
77 100
97 24.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 48.291 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

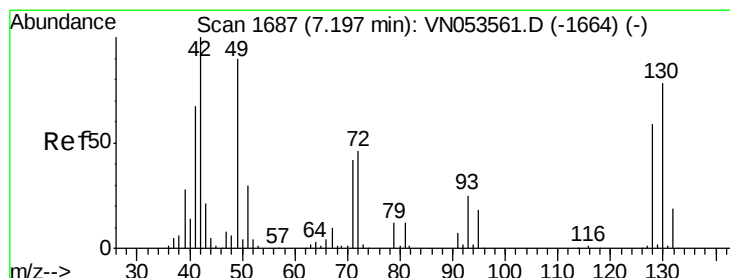
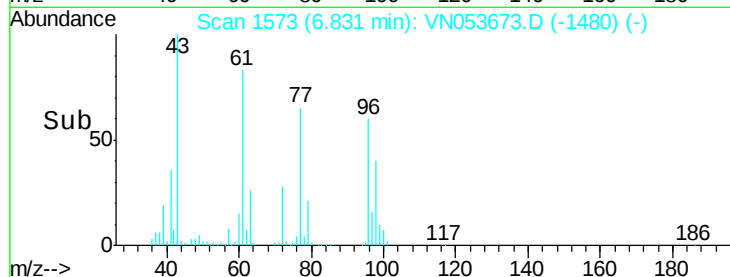
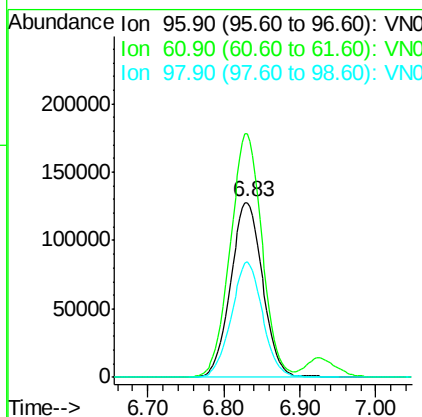
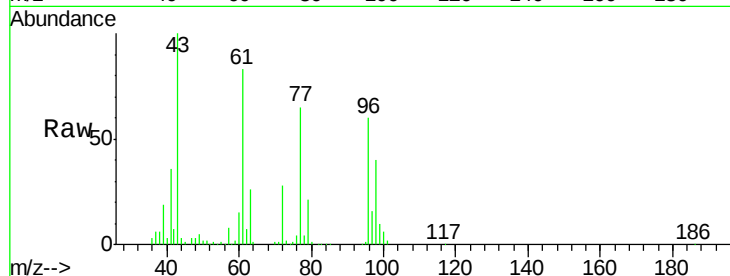
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	374064
Ion Ratio	Lower	Upper	
96	100		
61	138.1	0.0	283.8
98	64.3	0.0	129.2

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#28

Bromochloromethane

Concen: 49.610 ug/l

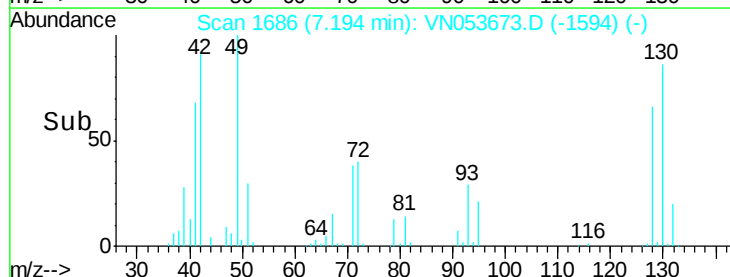
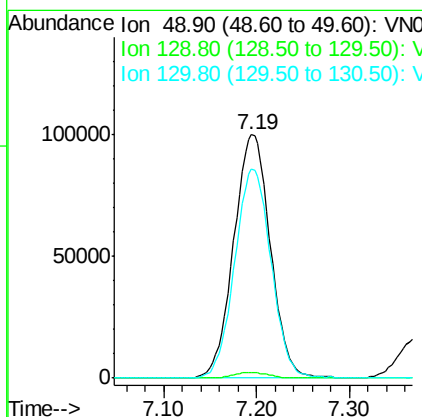
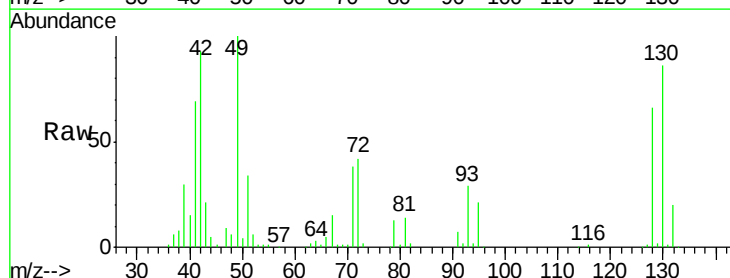
RT: 7.19 min Scan# 1686

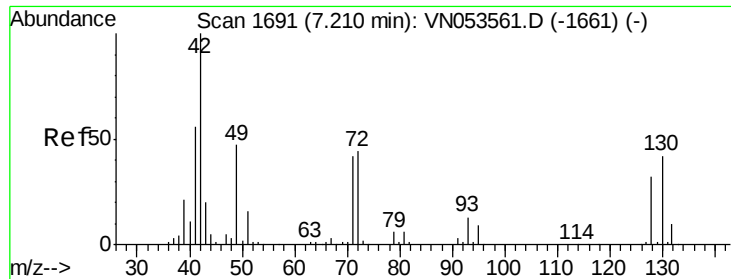
Delta R.T. -0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Tgt Ion:	49	Resp:	273536
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.0
130	85.4	66.3	99.5





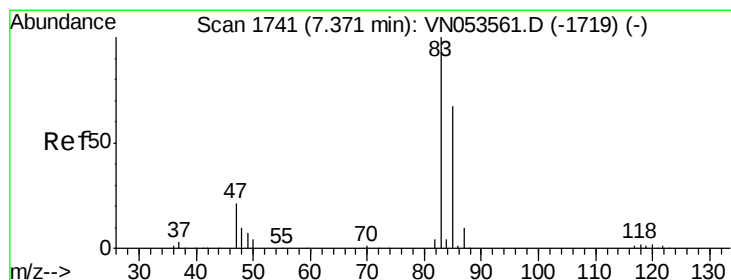
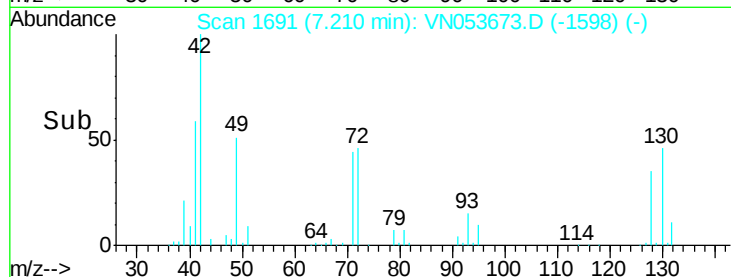
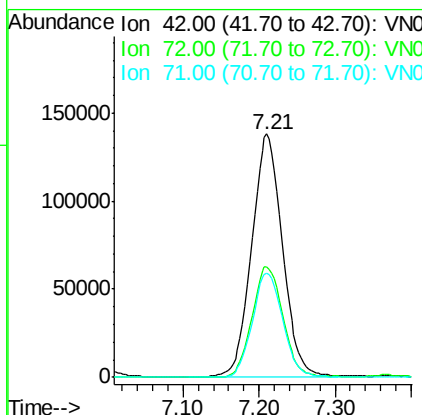
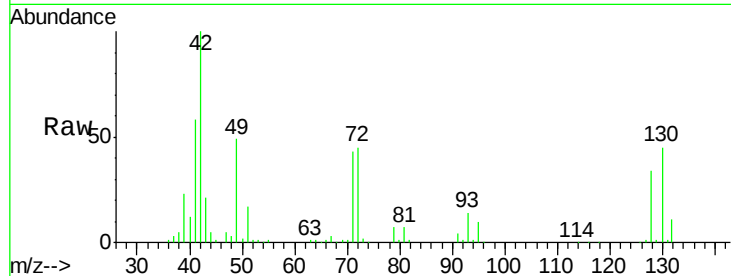
#29
Tetrahydrofuran
Concen: 236.289 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.2	52.8
71	42.5	33.0	49.4

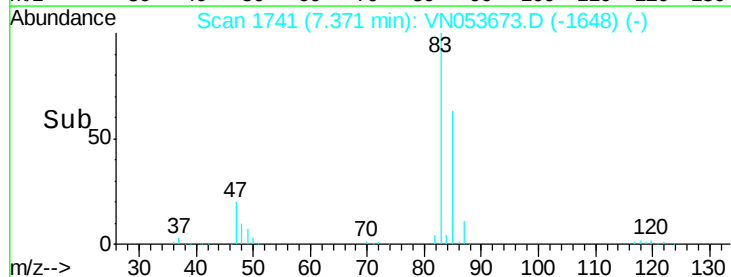
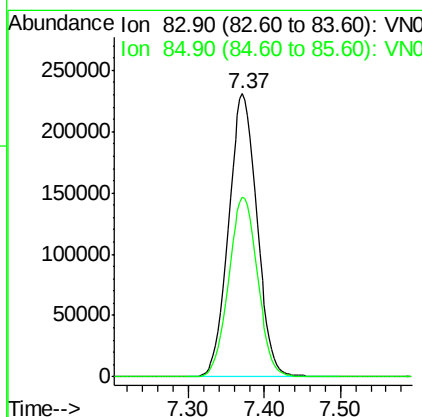
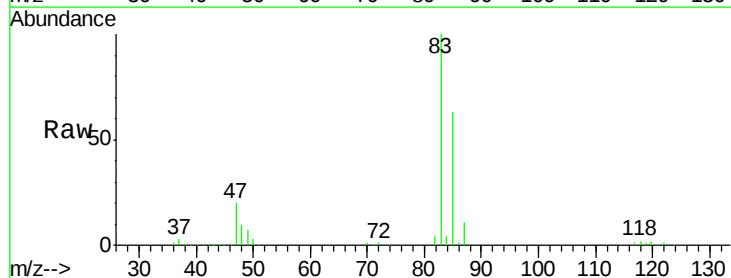
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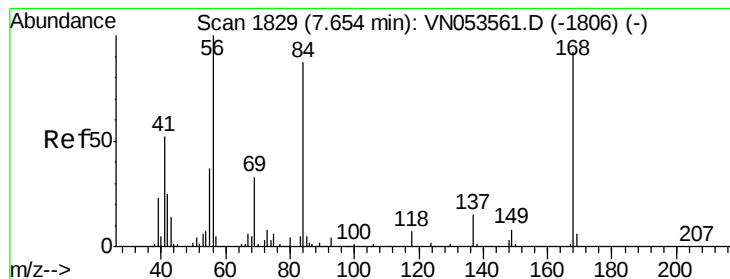
MMDadoda
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#30
Chloroform
Concen: 47.606 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.2	78.2





#31

Cyclohexane

Concen: 46.299 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

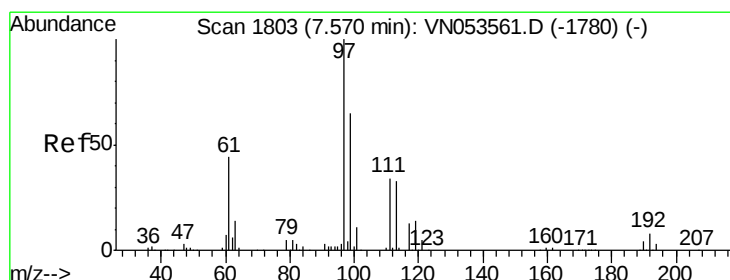
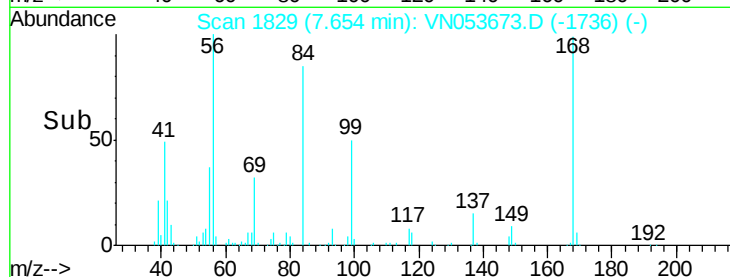
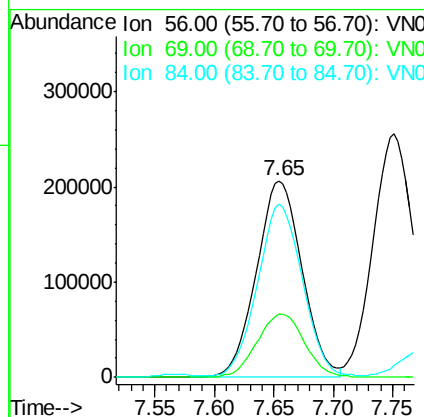
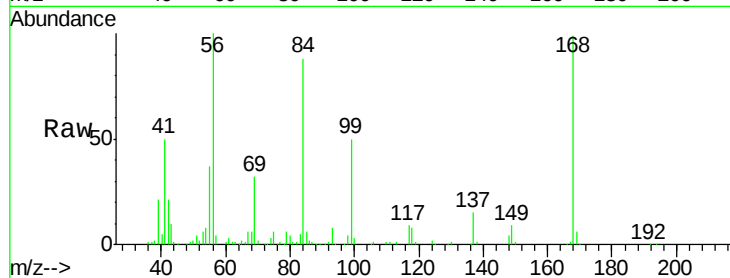
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	547850
Ion Ratio	Lower	Upper	
56	100		
69	31.9	26.4	39.6
84	87.0	67.9	101.9

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#32

1,1,1-Trichloroethane

Concen: 48.435 ug/l

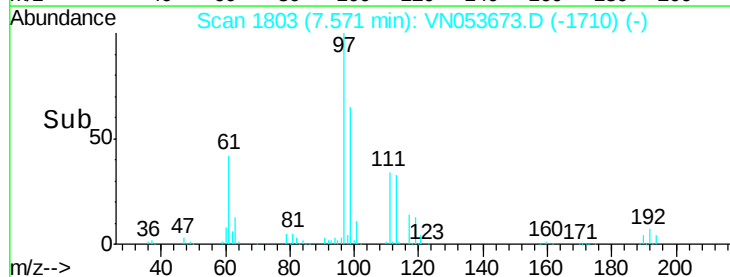
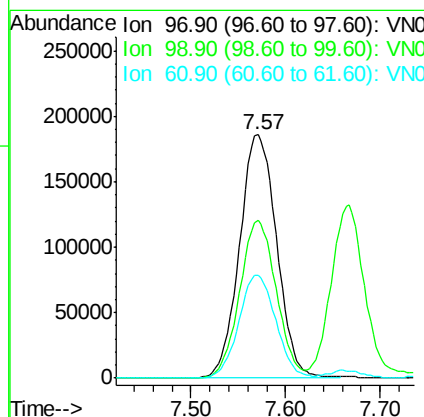
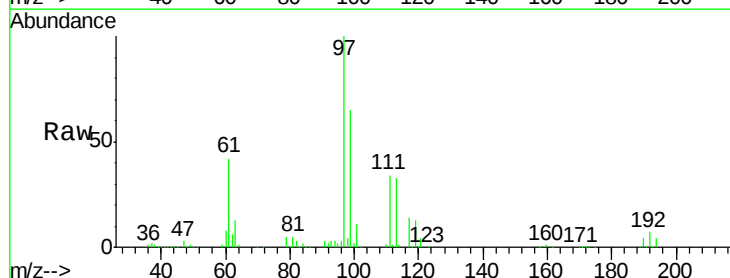
RT: 7.57 min Scan# 1803

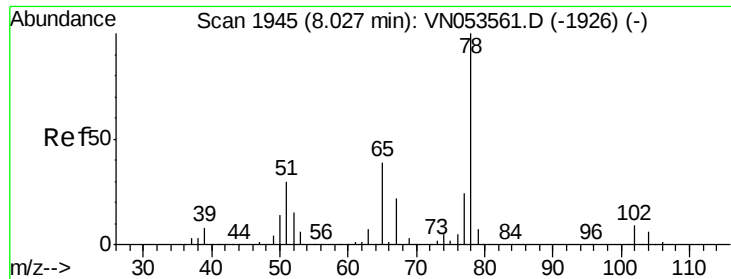
Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Tgt Ion:	97	Resp:	507682
Ion Ratio	Lower	Upper	
97	100		
99	63.9	52.0	78.0
61	42.2	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 46.853 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 327730

Ion Ratio Lower Upper

65 100

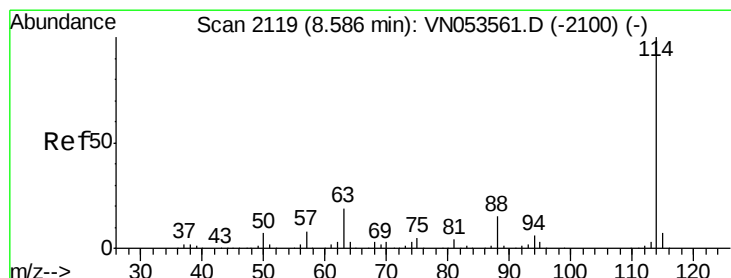
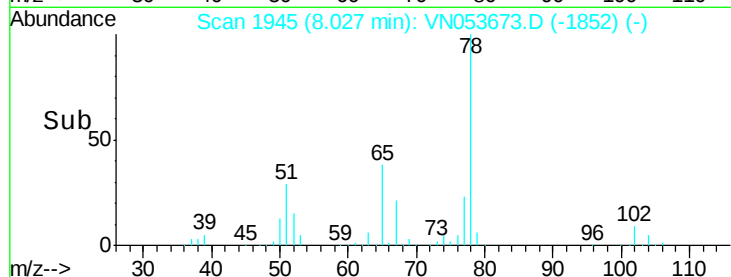
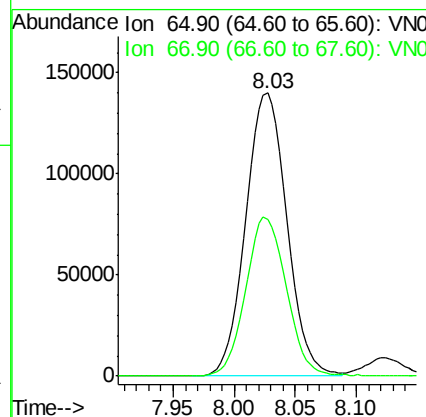
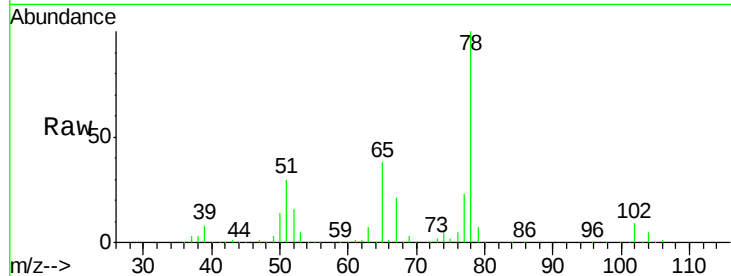
67 55.4 0.0 111.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

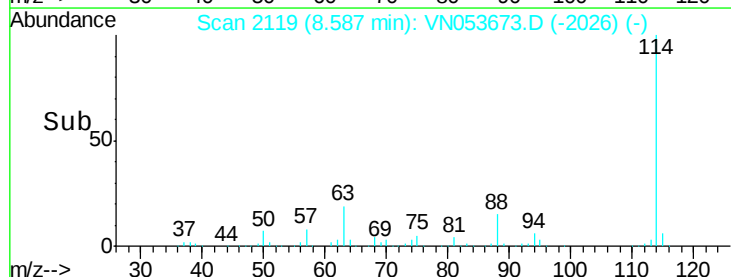
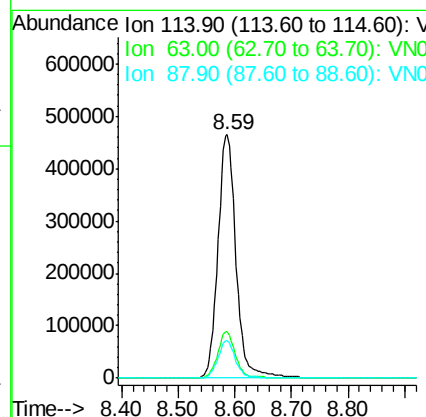
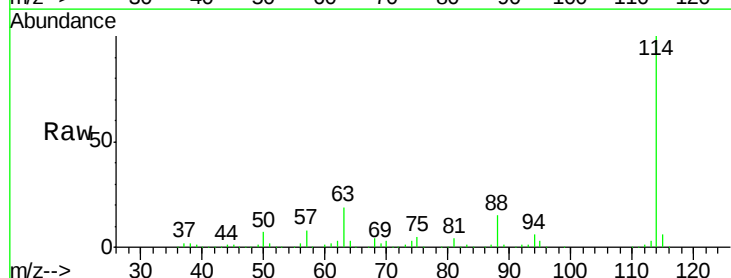
Tgt Ion: 114 Resp: 1028477

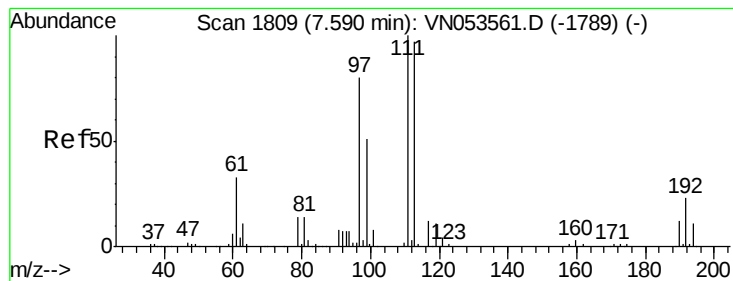
Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.198 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

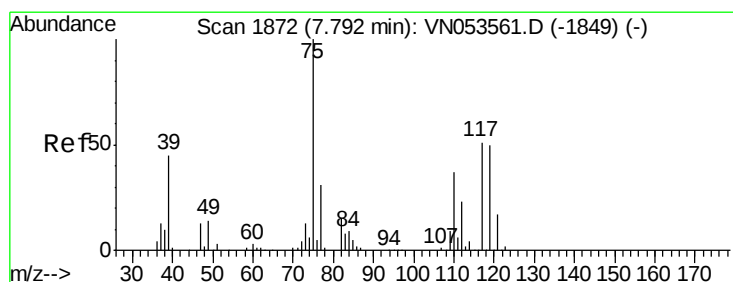
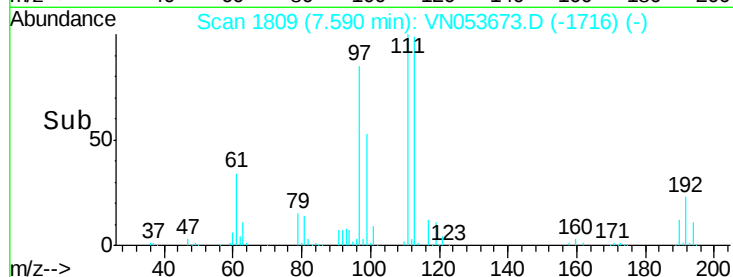
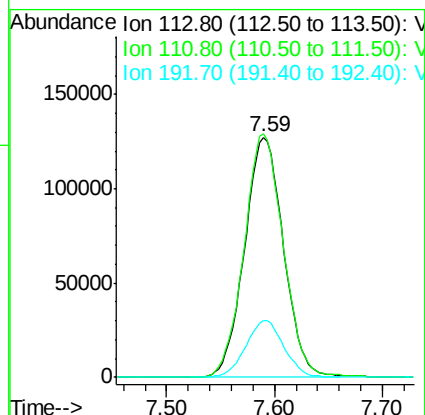
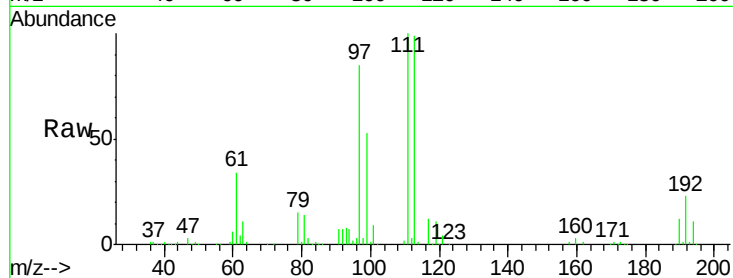
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	319719
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.1	121.7
192	23.2	18.2	27.2

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#36

1,1-Dichloropropene

Concen: 50.071 ug/l

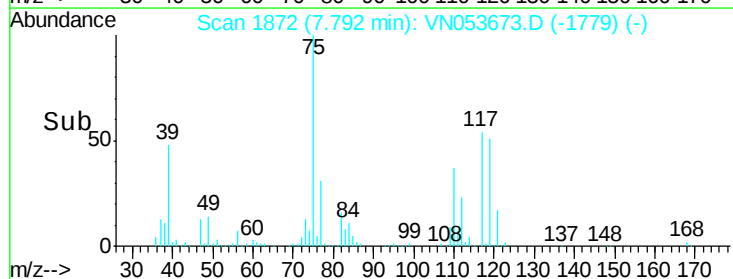
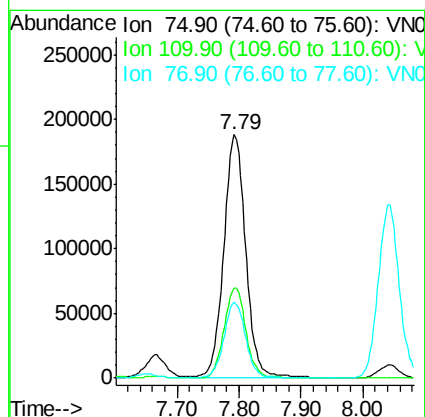
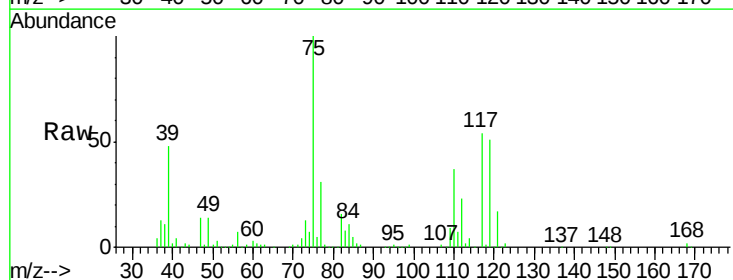
RT: 7.79 min Scan# 1872

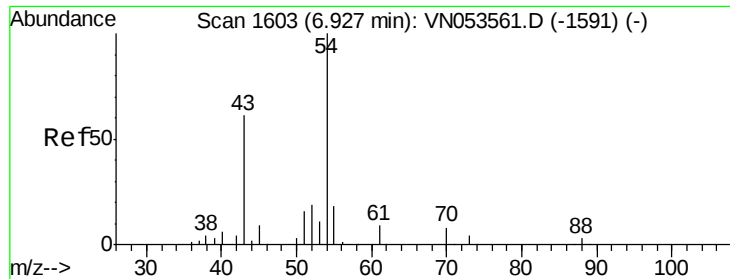
Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Tgt Ion:	75	Resp:	464215
Ion Ratio	Lower	Upper	
75	100		
110	36.8	18.1	54.3
77	31.1	25.1	37.7





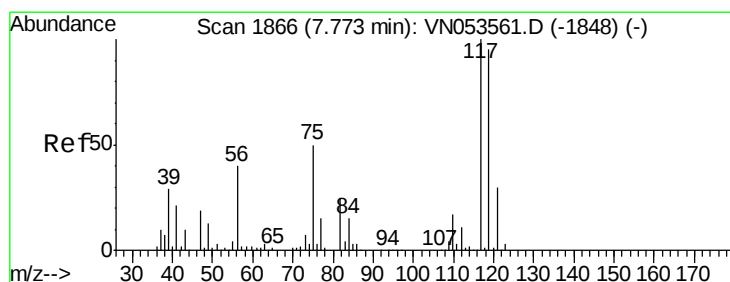
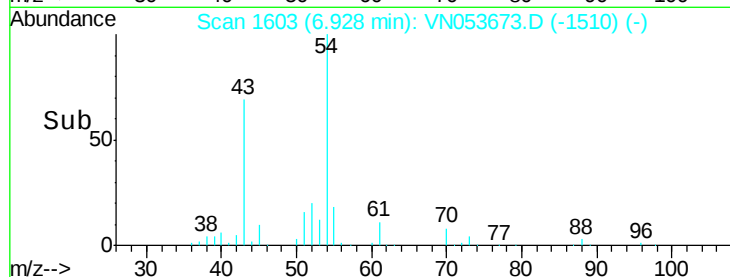
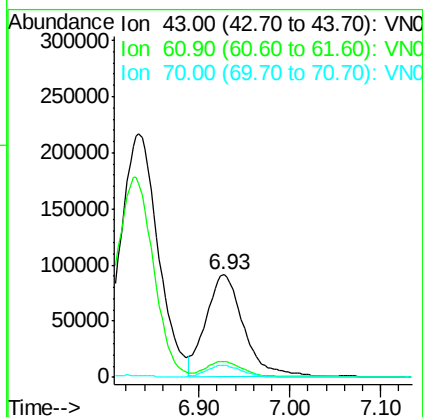
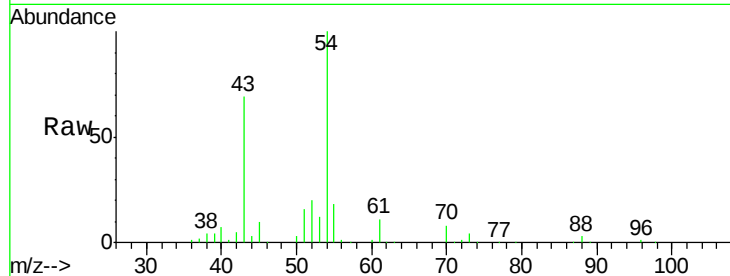
#37
Ethyl Acetate
Concen: 50.129 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.8	17.6
70	10.8	8.6	12.8

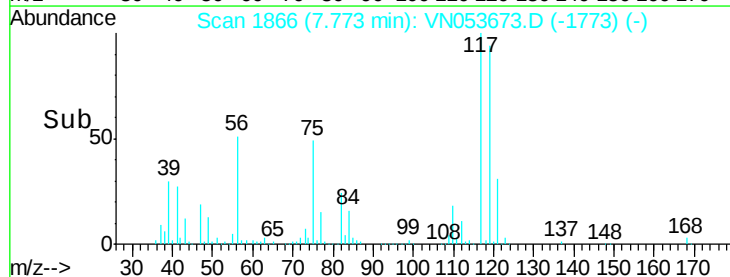
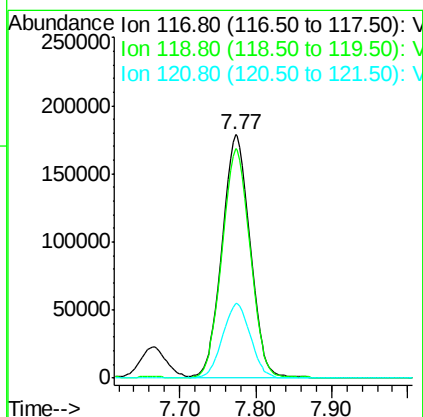
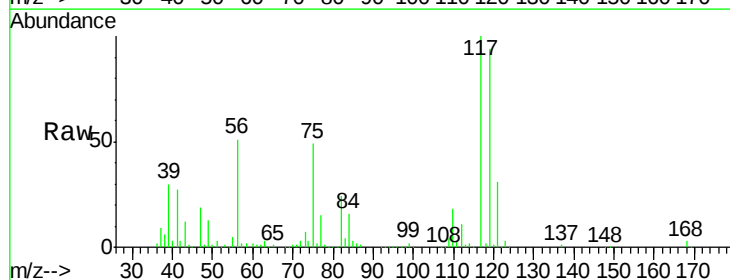
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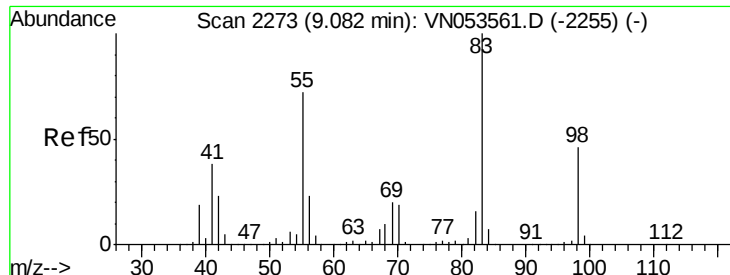
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#38
Carbon Tetrachloride
Concen: 49.181 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.2	115.8
121	30.6	24.6	37.0





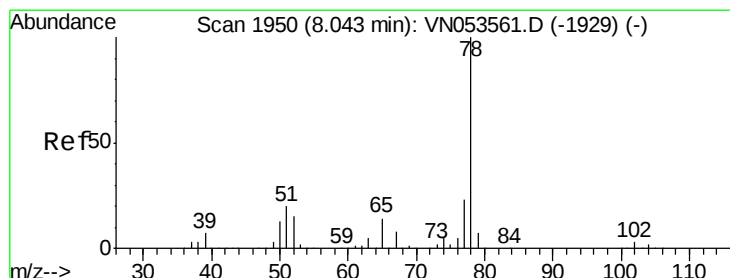
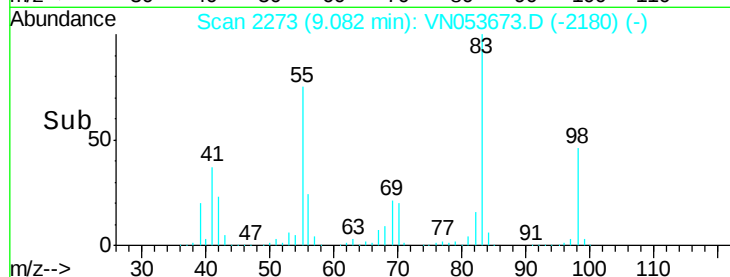
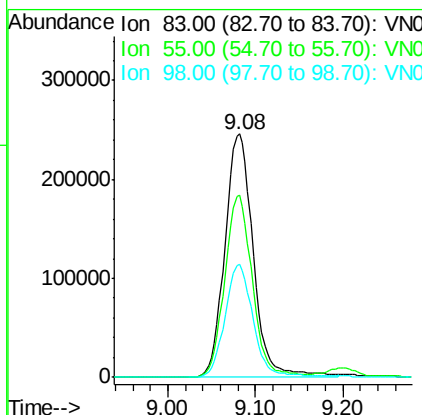
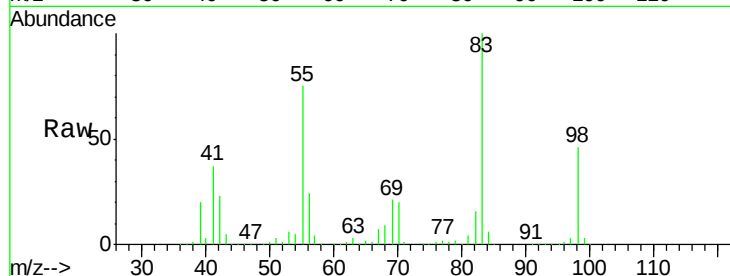
#39
Methvlcvclohexane
Concen: 50.597 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.7	60.1	90.1	
98	46.2	36.6	55.0	

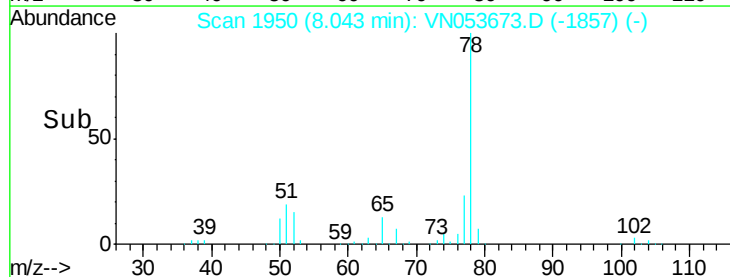
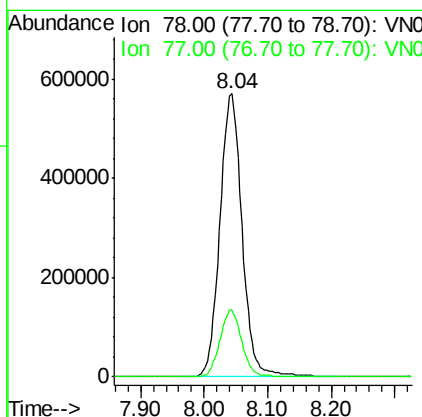
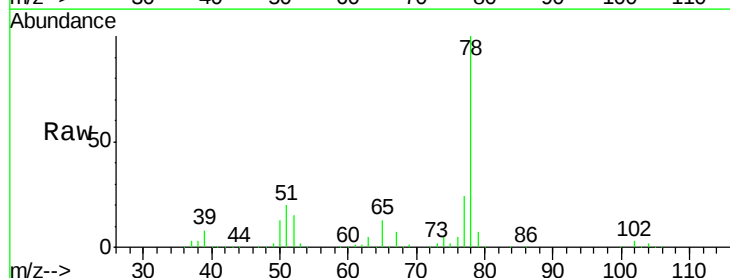
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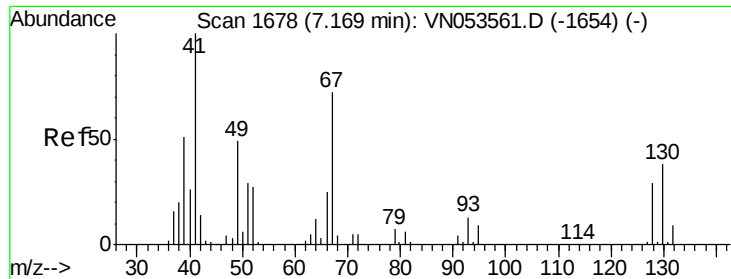
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#40
Benzene
Concen: 48.361 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.8	28.2	





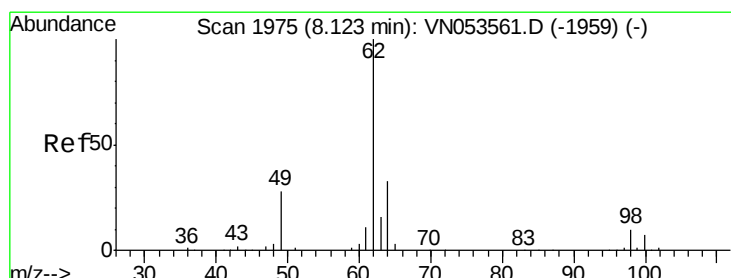
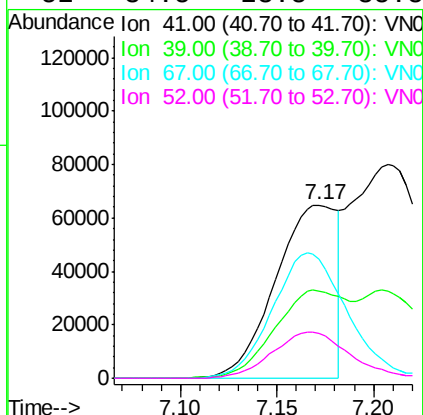
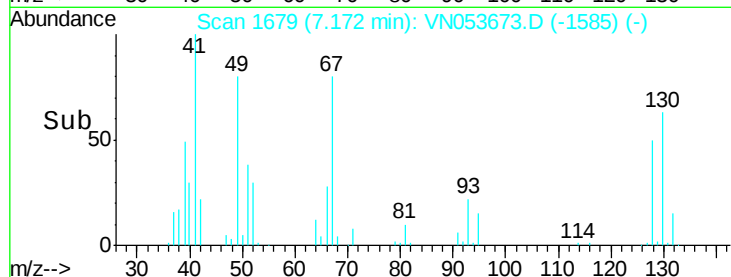
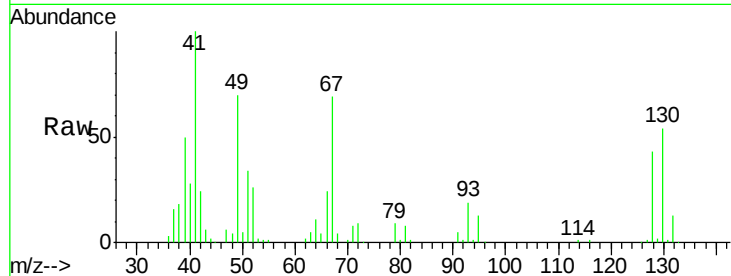
#41
Methacrylonitrile
Concen: 49.398 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.9	46.8	70.2	
67	89.0	63.0	94.6	
52	34.5	23.8	35.8	

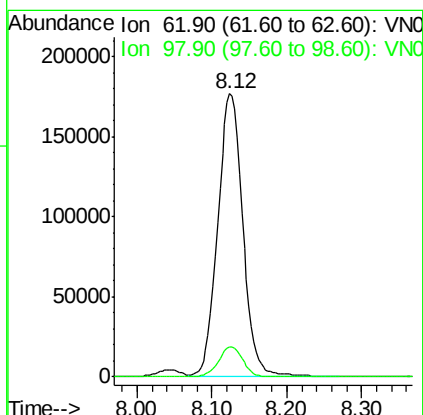
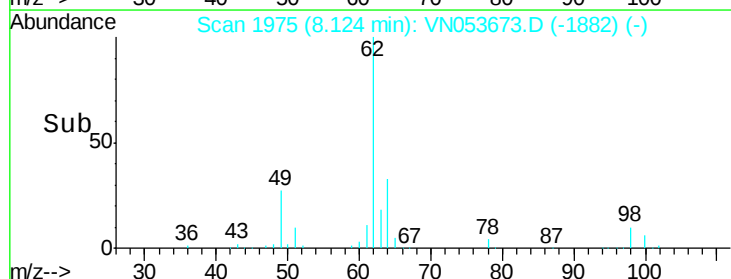
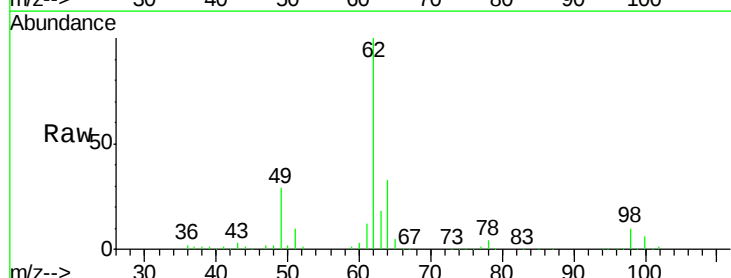
Manual Integrations
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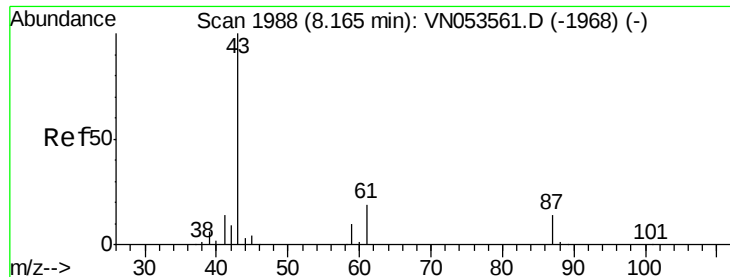
MMDadoda
2/11/2019 11:00:32 AM



#42
1,2-Dichloroethane
Concen: 48.466 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	19.6	





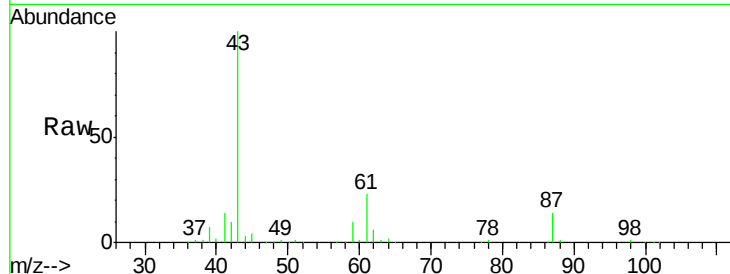
#43
Isopropyl Acetate
Concen: 45.094 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

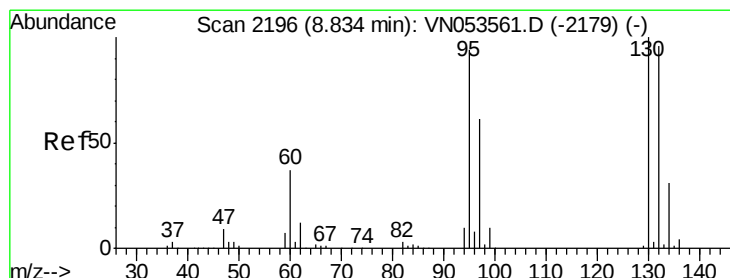
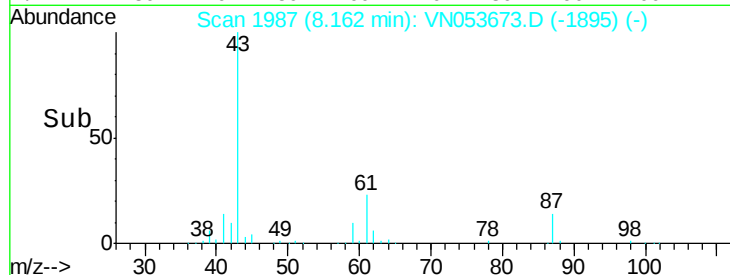
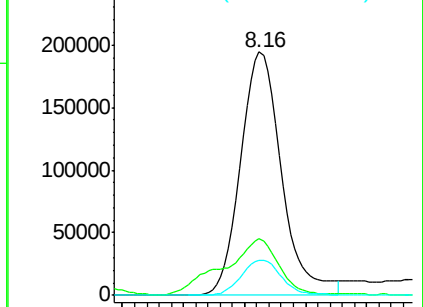
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.7	23.9	35.9
87	14.2	11.0	16.6

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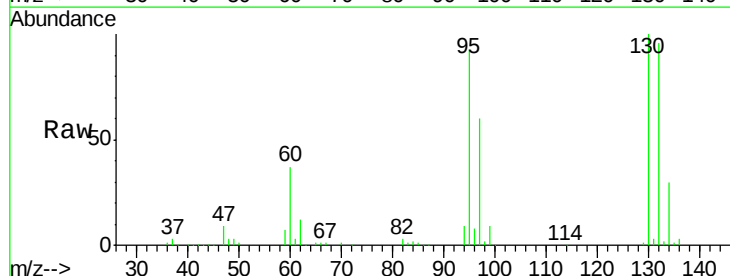


Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1968) (-)
Ion 61.00 (60.70 to 61.70): VN053561.D (-1968) (-)
Ion 87.00 (86.70 to 87.70): VN053561.D (-1968) (-)

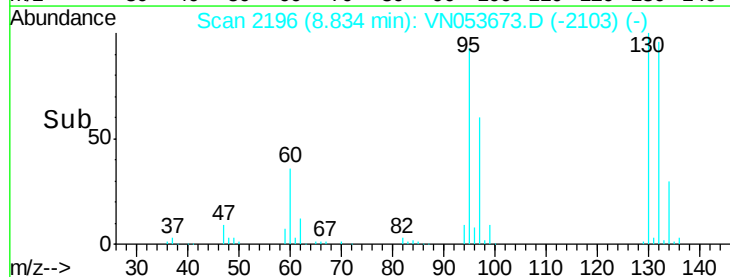
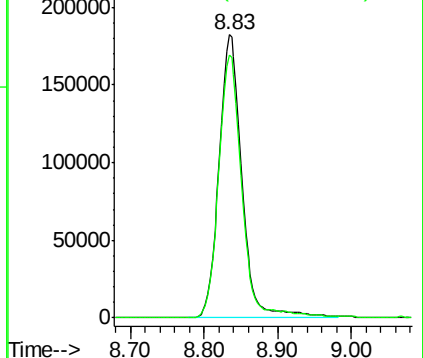


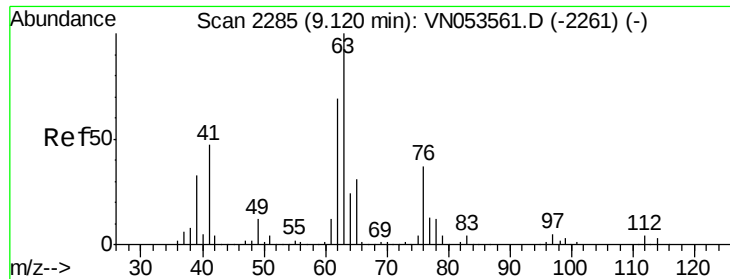
#44
Trichloroethene
Concen: 48.305 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053561.D (-2179) (-)
Ion 94.90 (94.60 to 95.60): VN053561.D (-2179) (-)





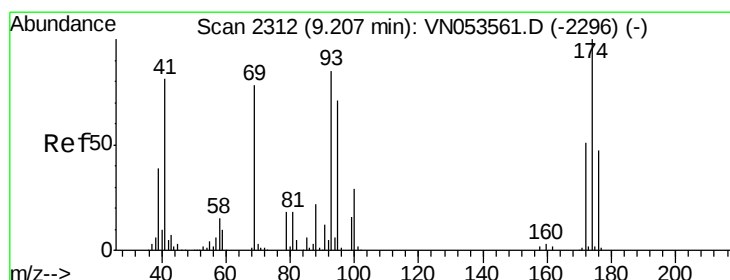
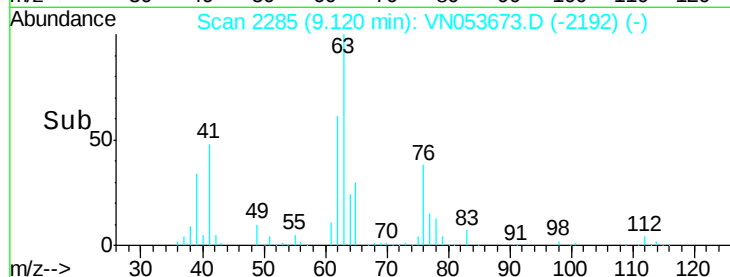
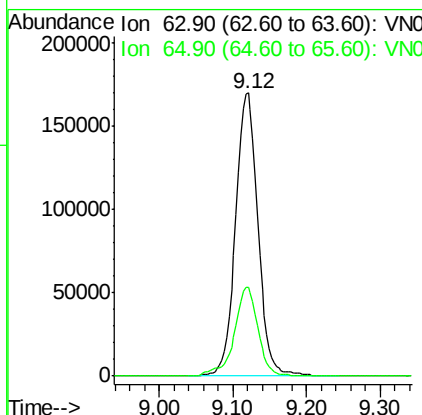
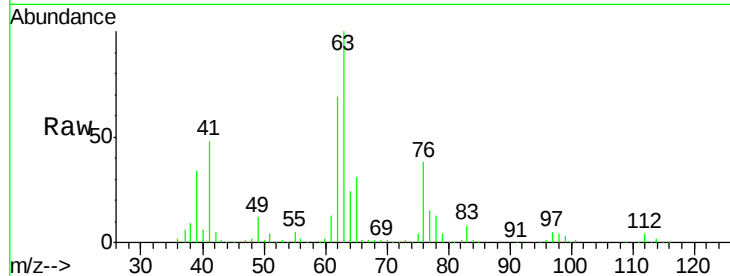
#45
 1,2-Dichloropropane
 Concen: 49.378 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 361078
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4

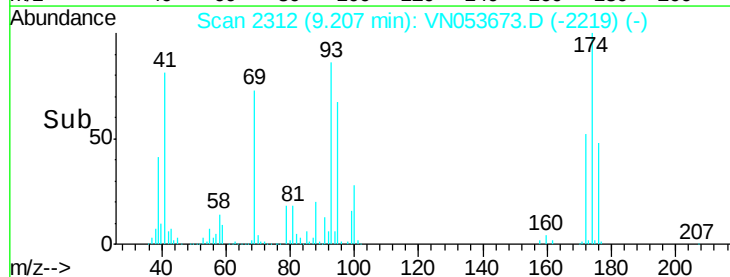
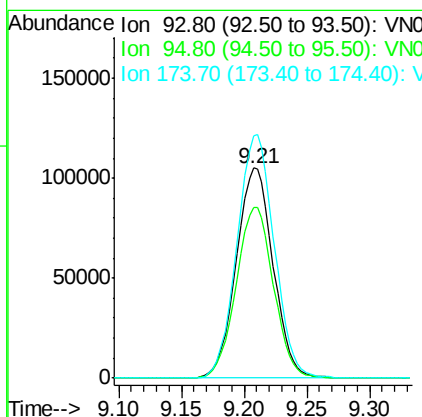
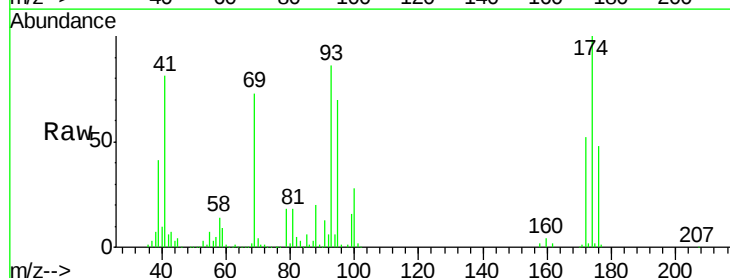
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#46
 Dibromomethane
 Concen: 48.817 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Tgt Ion: 93 Resp: 215191
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.3 100.9
 174 117.0 91.0 136.4





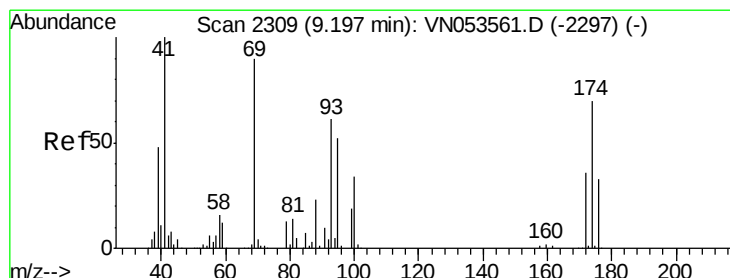
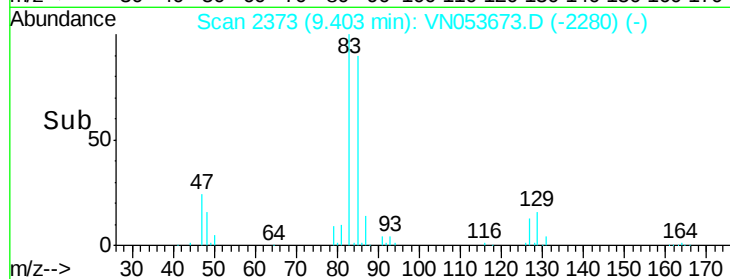
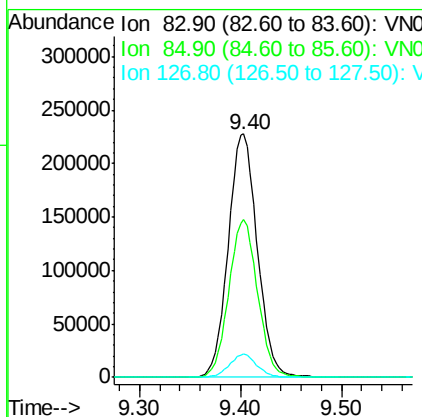
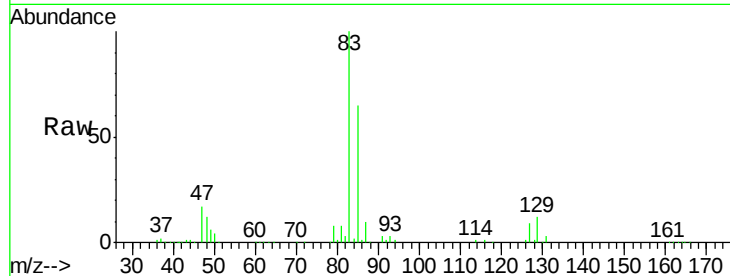
#47
Bromodichloromethane
Concen: 49.913 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	457464
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	51.0	76.6
127	9.5	7.0	10.6

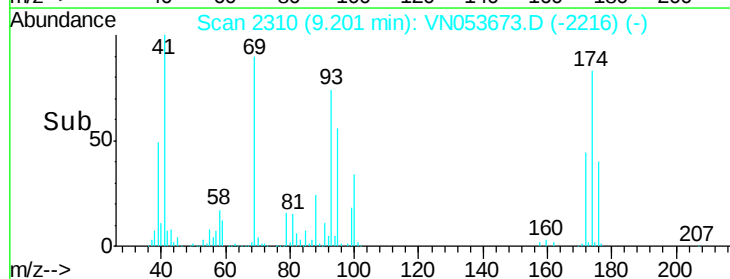
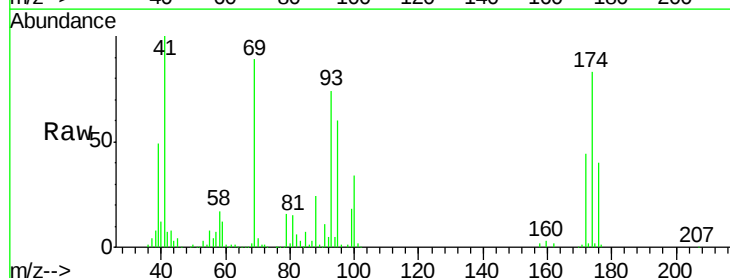
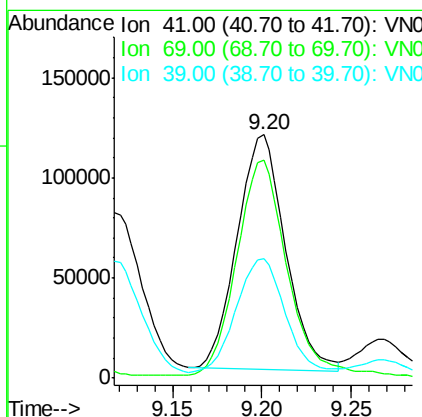
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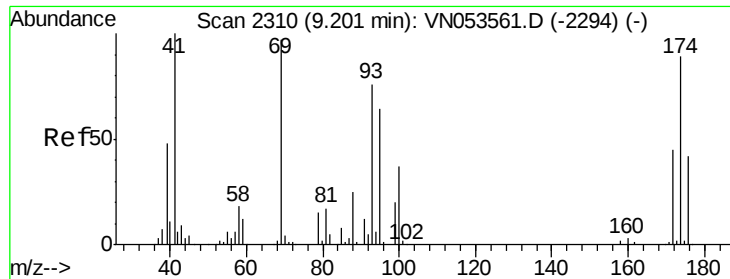
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#48
Methyl methacrylate
Concen: 46.533 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion	41	Resp	222114
Ion Ratio	100	Lower	Upper
41	100		
69	99.6	73.8	110.6
39	54.4	40.0	60.0





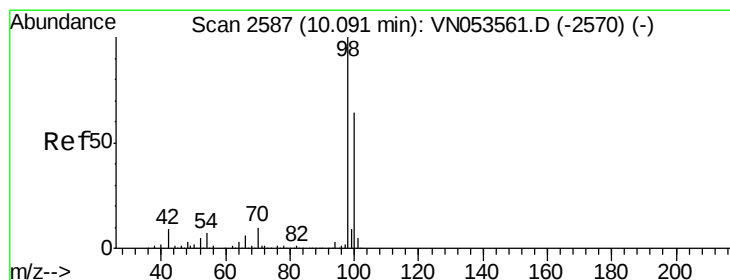
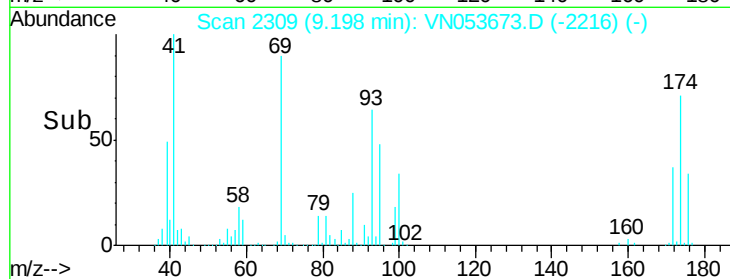
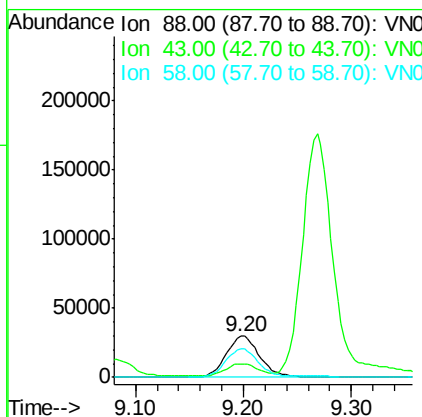
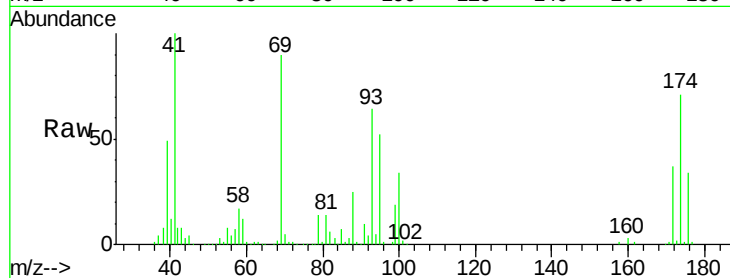
#49
 1,4-Dioxane
 Concen: 947.459 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.8	27.8	41.6
58	67.4	56.5	84.7

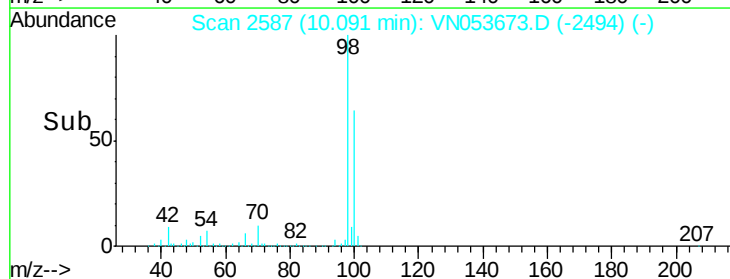
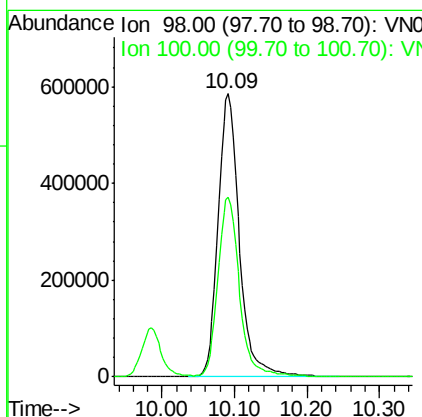
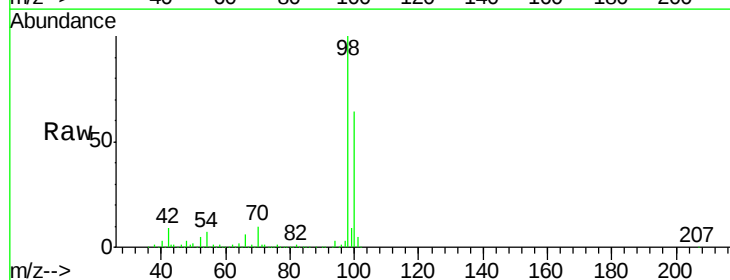
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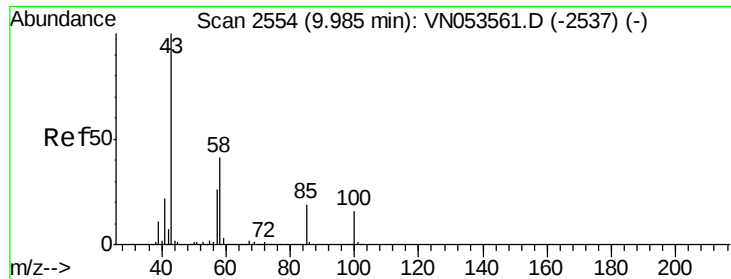
MMDadoda
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#50
 Toluene-d8
 Concen: 48.809 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 244.529 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1201585

Ion Ratio Lower Upper

43 100

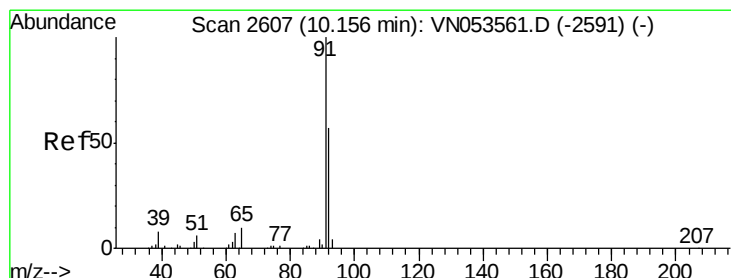
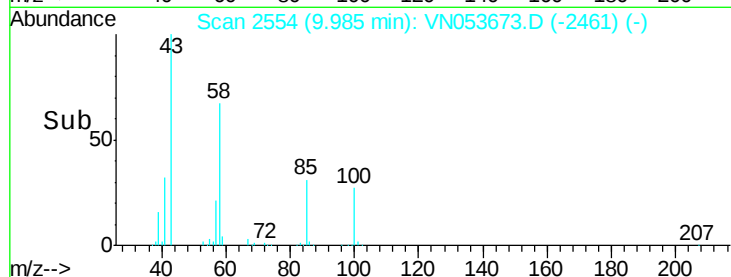
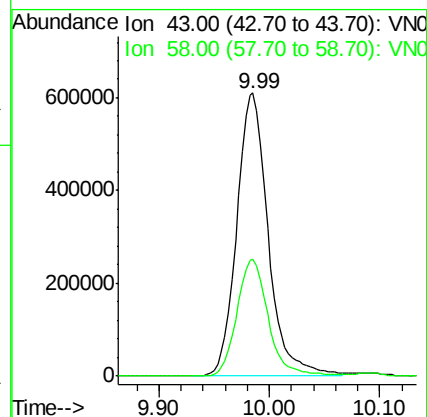
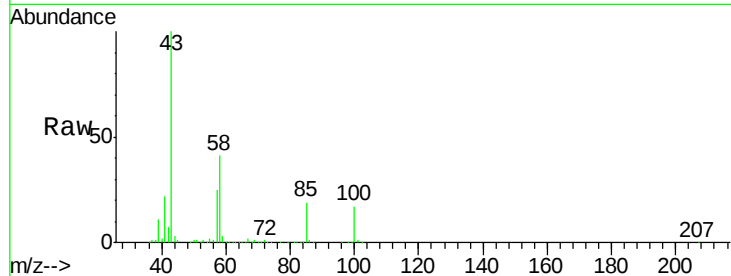
58 41.4 32.8 49.2

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#52

Toluene

Concen: 49.832 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053673.D

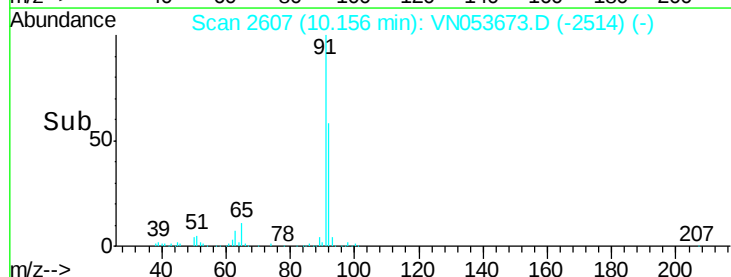
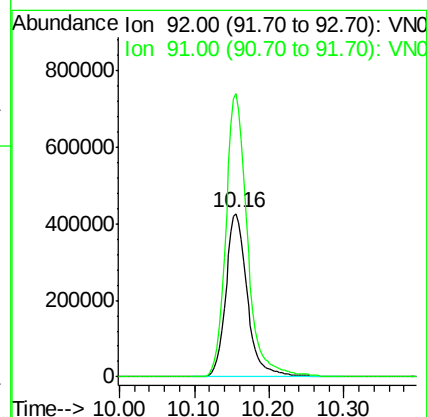
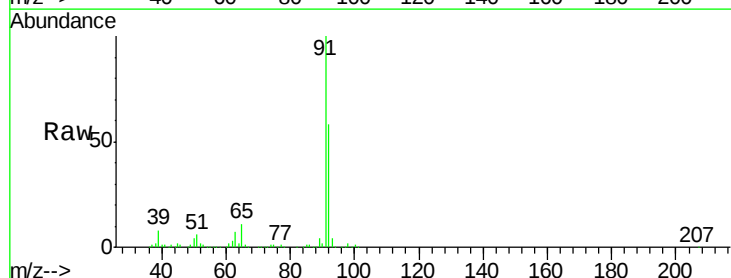
Acq: 8 Feb 2019 11:02

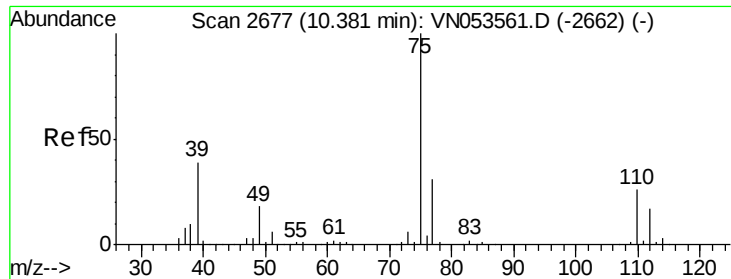
Tgt Ion: 92 Resp: 845531

Ion Ratio Lower Upper

92 100

91 173.9 139.9 209.9





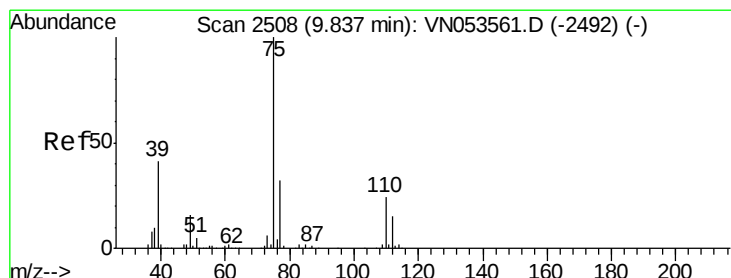
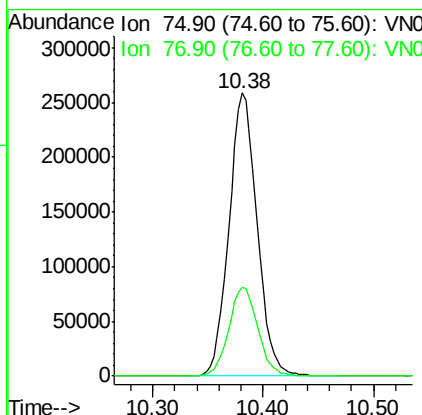
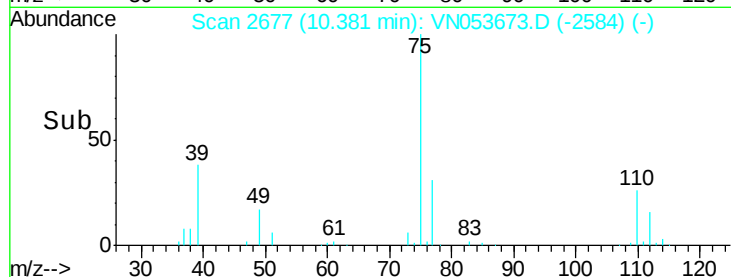
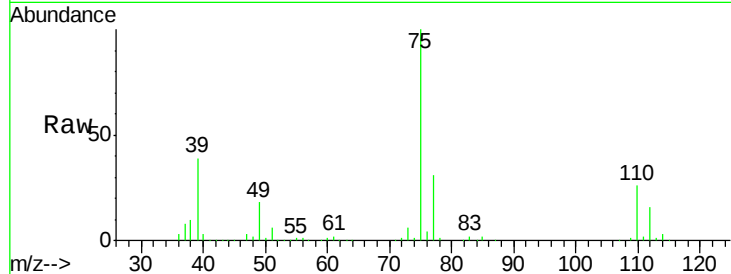
#53
t-1,3-Dichloropropene
Concen: 49.881 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 457784
Ion Ratio Lower Upper
75 100
77 31.2 25.5 38.3

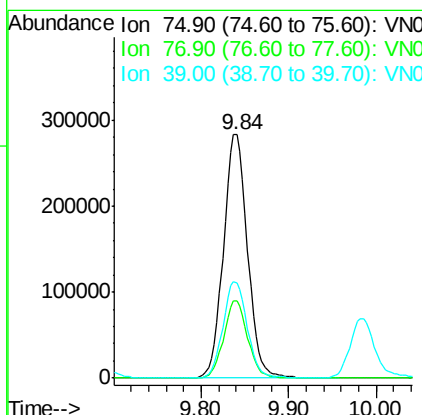
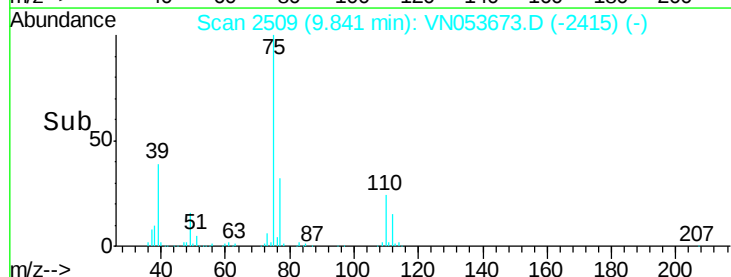
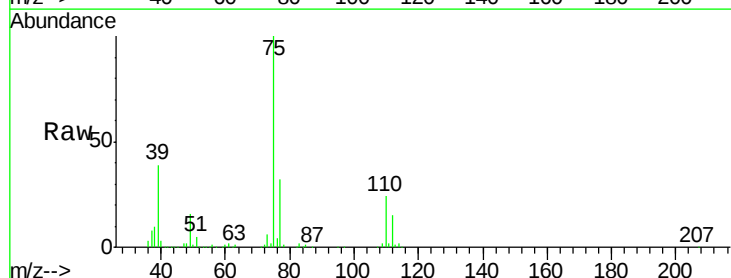
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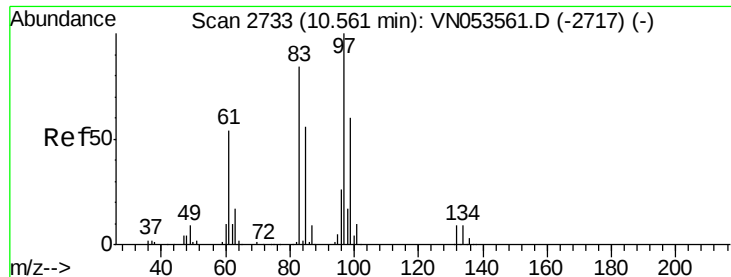
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#54
cis-1,3-Dichloropropene
Concen: 49.569 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion: 75 Resp: 539079
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.6
39 38.8 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 50.448 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

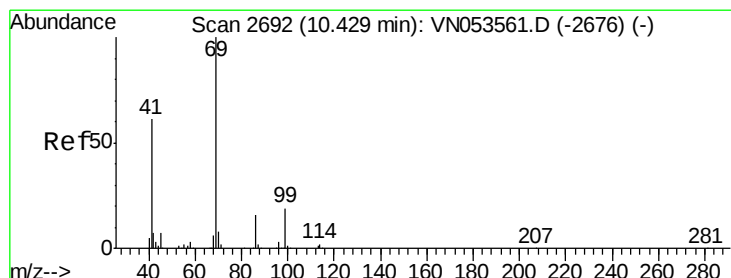
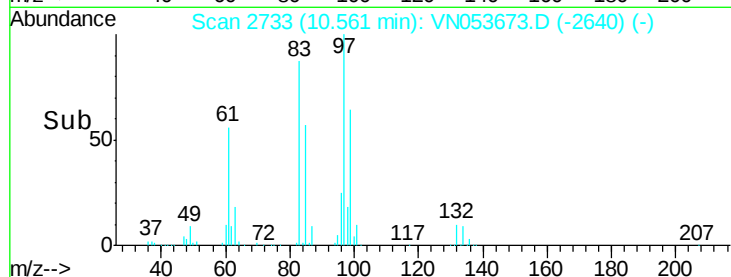
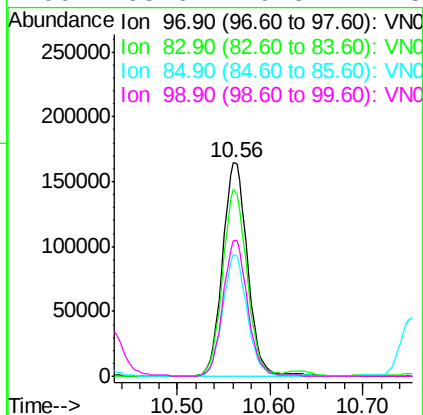
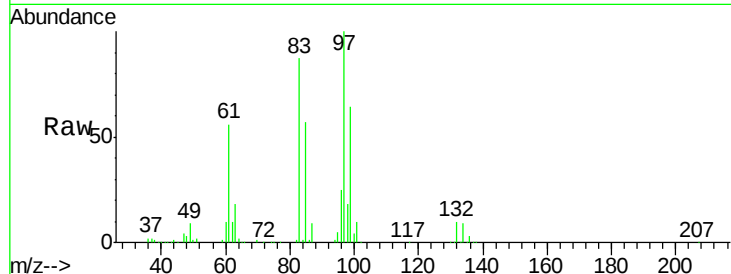
ClientSampled :

VSTDCCC050

Tot Ion:	97	Resp:	308447
Ion Ratio	Lower	Upper	
97	100		
83	87.3	70.1	105.1
85	57.1	45.4	68.0
99	63.6	49.8	74.8

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#56

Ethyl methacrylate

Concen: 49.905 ug/l

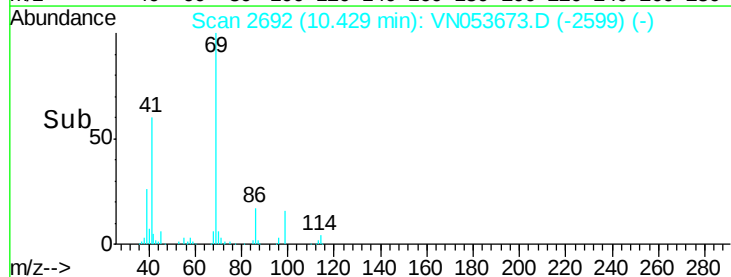
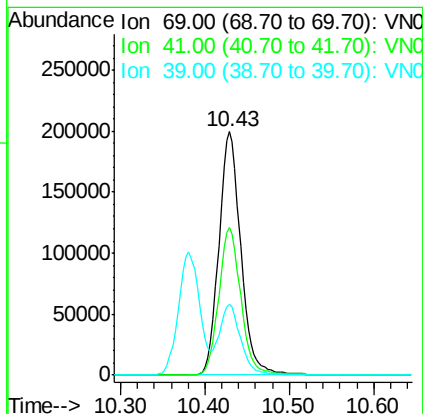
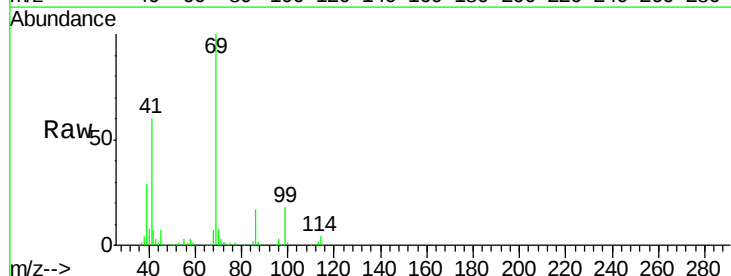
RT: 10.43 min Scan# 2692

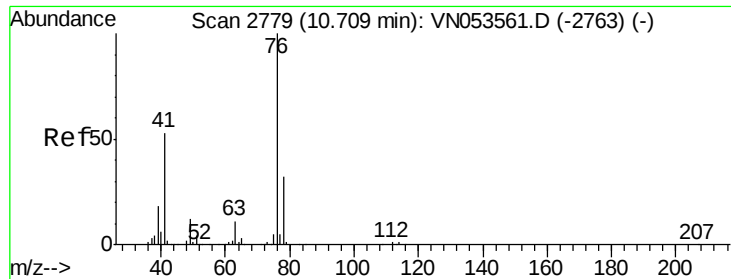
Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Tgt Ion:	69	Resp:	360966
Ion Ratio	Lower	Upper	
69	100		
41	59.9	49.4	74.0
39	28.7	23.3	34.9





#57

1,3-Dichloropropane

Concen: 48.852 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 510484

Ion Ratio Lower Upper

76 100

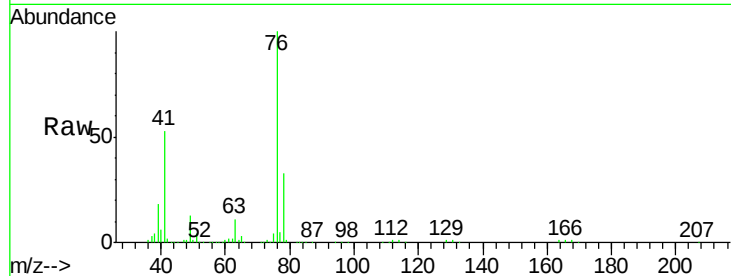
78 32.1 25.6 38.4

Manual Integrations

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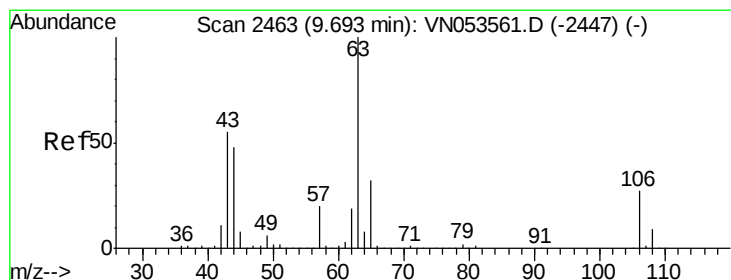
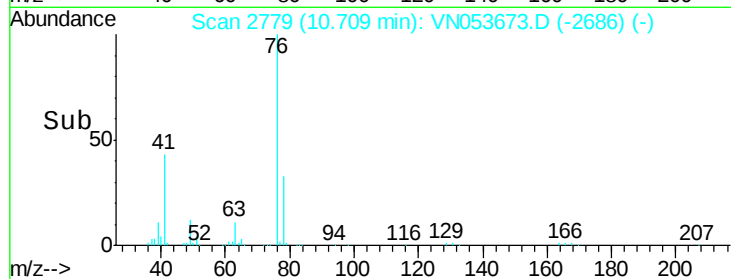
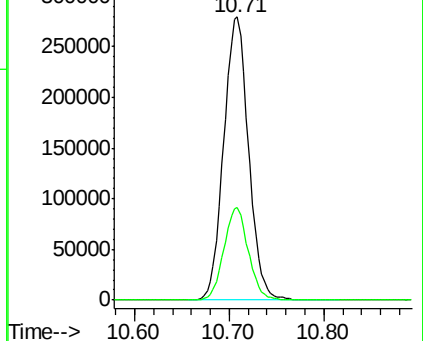
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 204.868 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053673.D

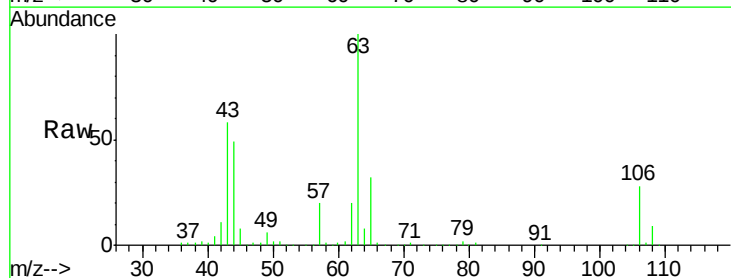
Acq: 8 Feb 2019 11:02

Tgt Ion: 63 Resp: 912296

Ion Ratio Lower Upper

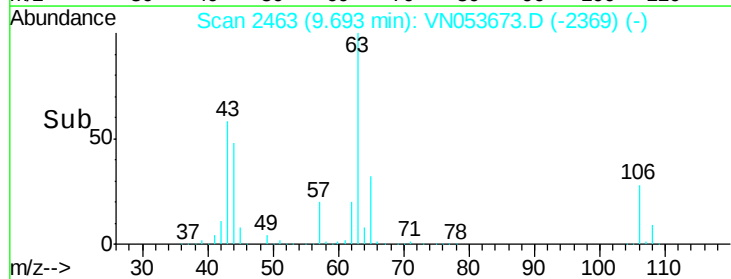
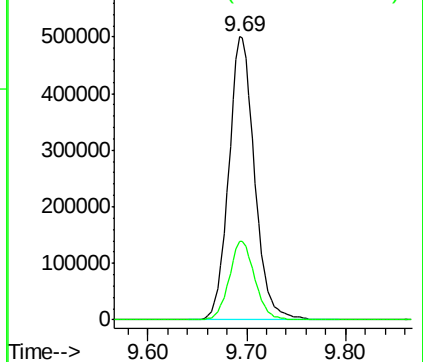
63 100

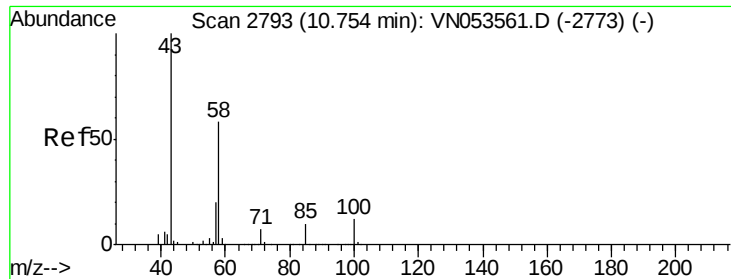
106 27.7 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





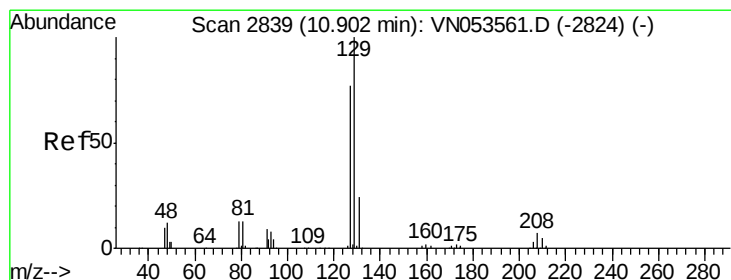
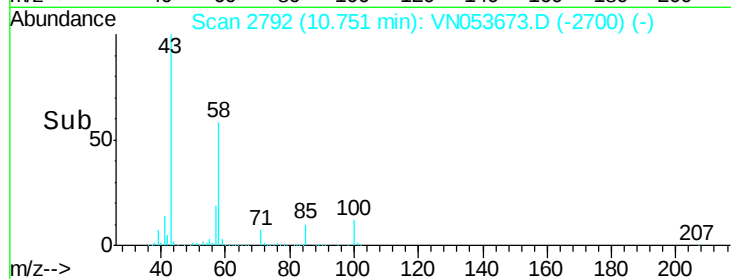
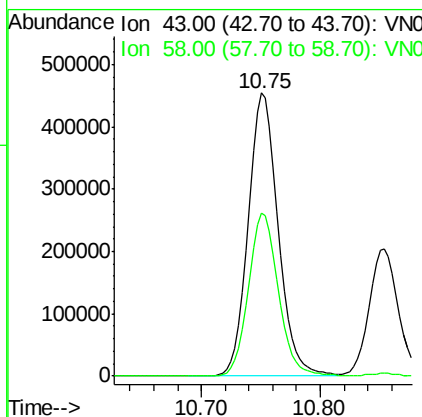
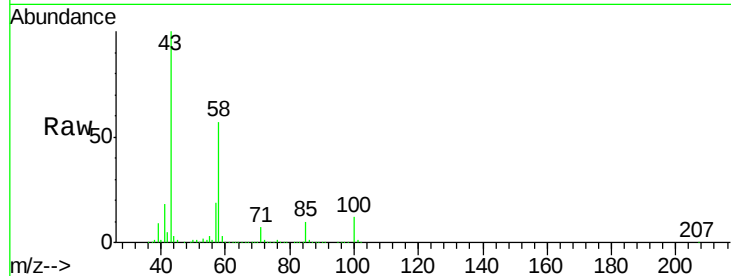
#59
2-Hexanone
Concen: 237.118 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	790998
Ion	Ratio	Lower	Upper
43	100		
58	57.6	28.6	85.8

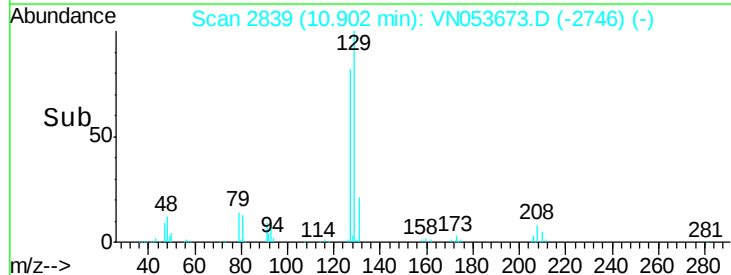
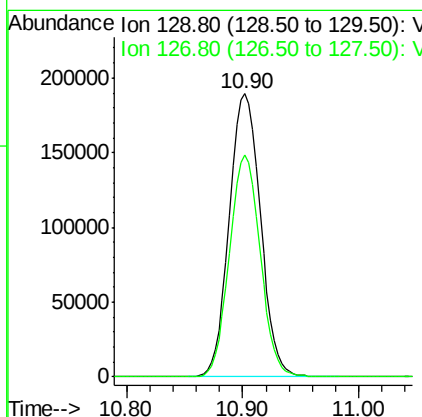
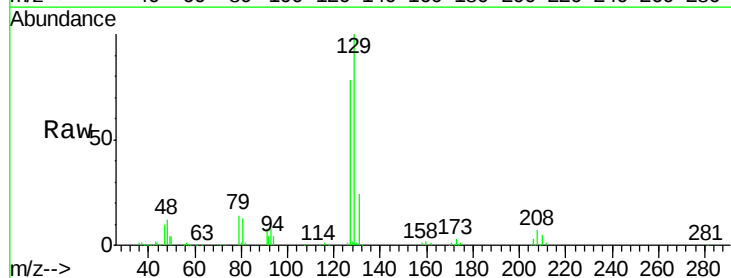
Manual Integrations
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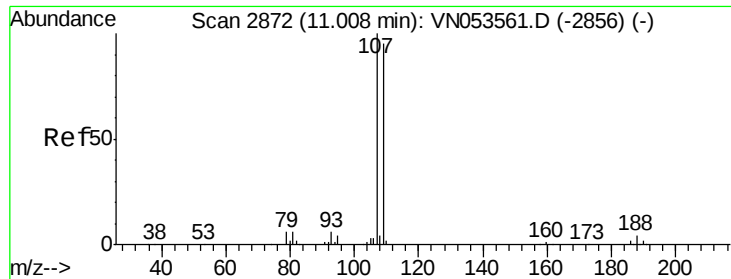
MMDadoda
2/11/2019 11:00:32 AM



#60
Dibromochloromethane
Concen: 51.247 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion	129	Resp	353340
Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.8





#61

1,2-Dibromoethane

Concen: 48.135 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 291293

Ion Ratio Lower Upper

107 100

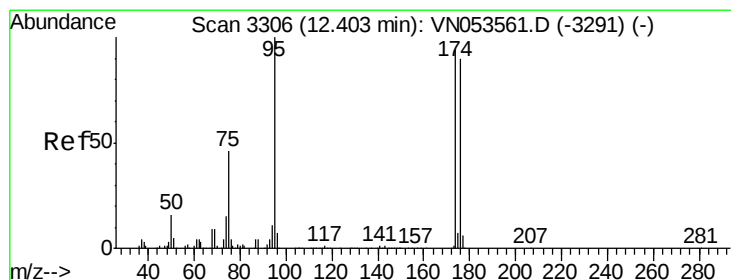
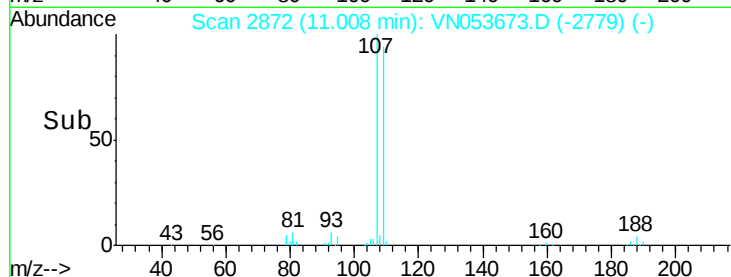
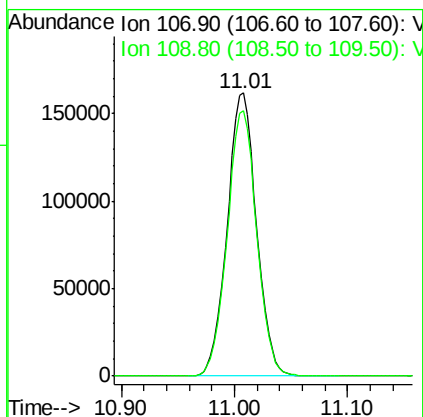
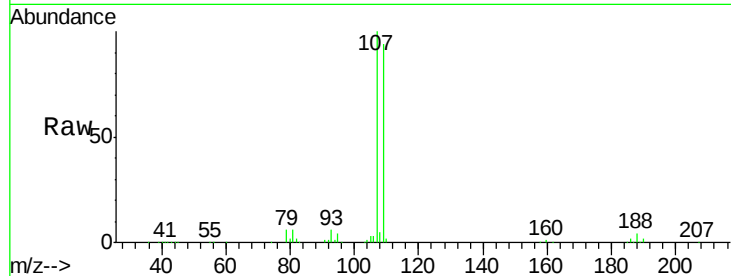
109 94.6 75.7 113.5

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MMDadoda

2/11/2019 11:00:32 AM



#62

4-Bromofluorobenzene

Concen: 49.220 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

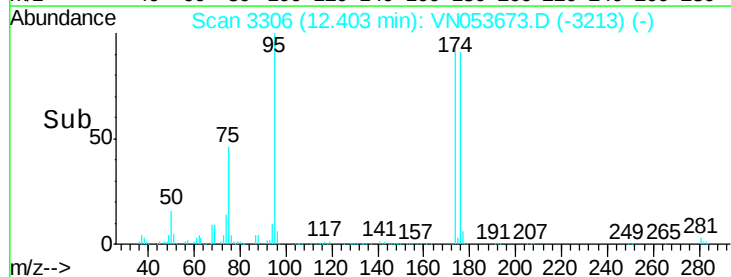
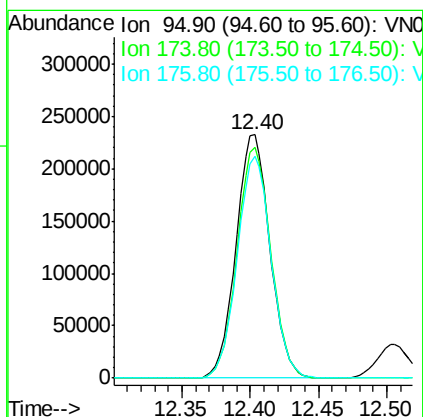
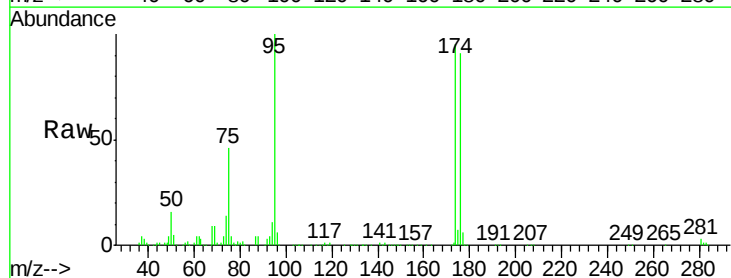
Tgt Ion: 95 Resp: 400558

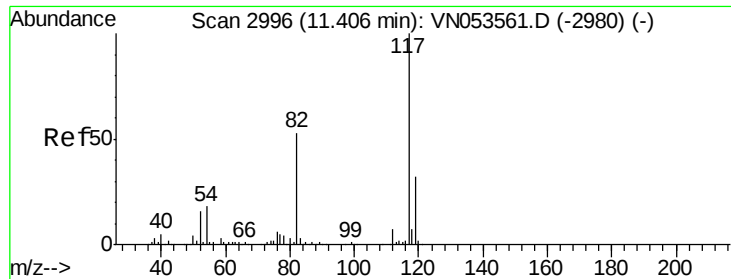
Ion Ratio Lower Upper

95 100

174 94.6 0.0 183.2

176 91.1 0.0 177.4





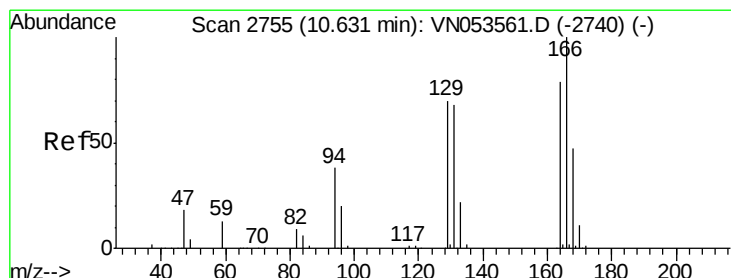
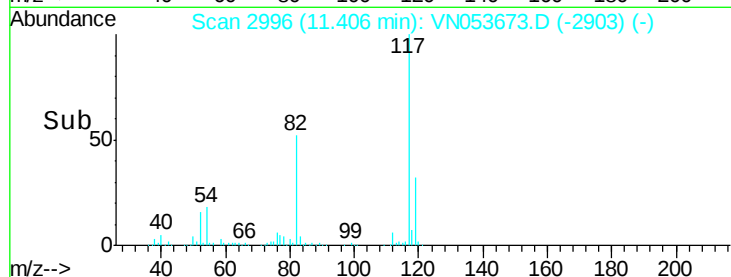
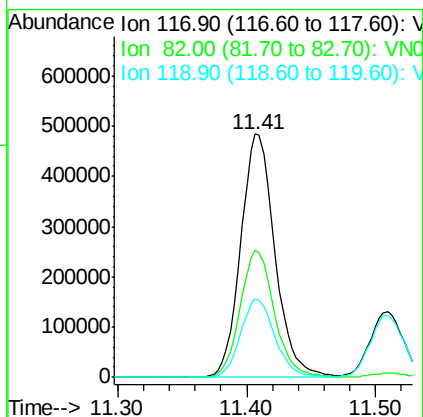
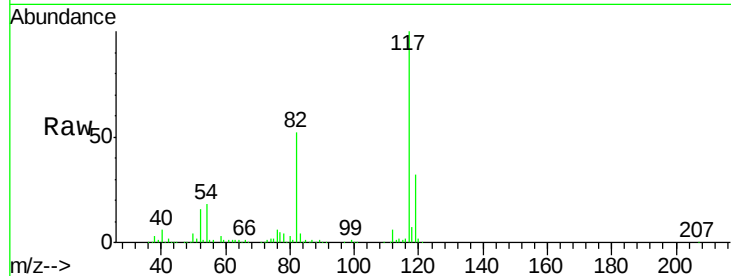
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	895185		
82	52.0		42.9	64.3
119	32.3		26.0	39.0

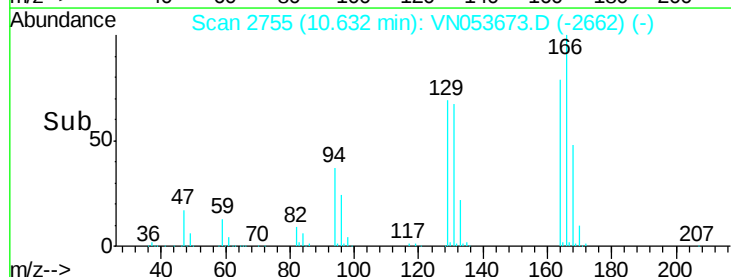
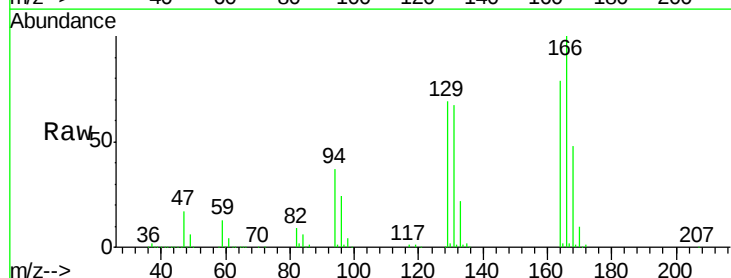
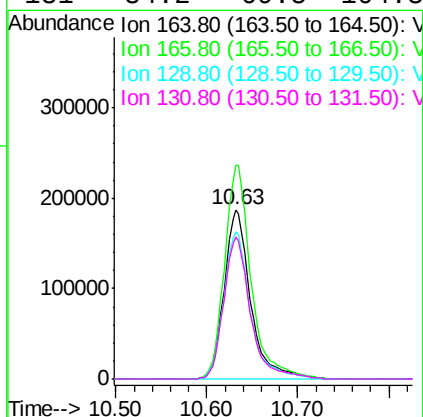
Manual Integrations
APPROVED

MMDadoda
2/11/2019 11:00:32 AM



#64
Tetrachloroethene
Concen: 49.275 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	378118		
166	126.3		102.2	153.4
129	87.3		72.6	109.0
131	84.2		69.5	104.3





#65

Chlorobenzene

Concen: 49.062 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 932890

Ion Ratio Lower Upper

112 100

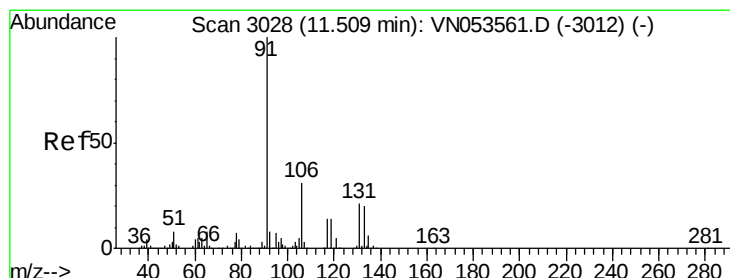
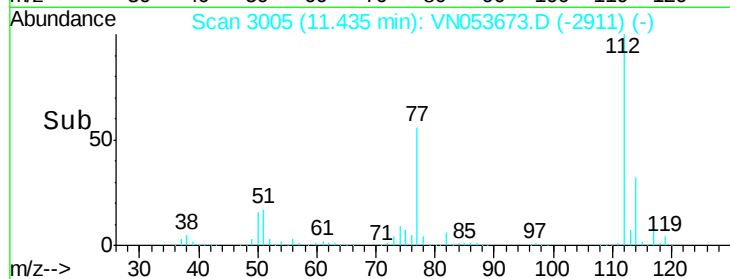
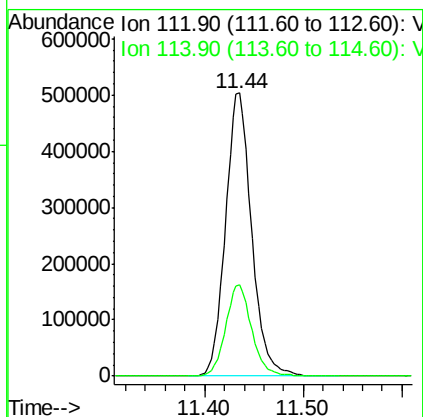
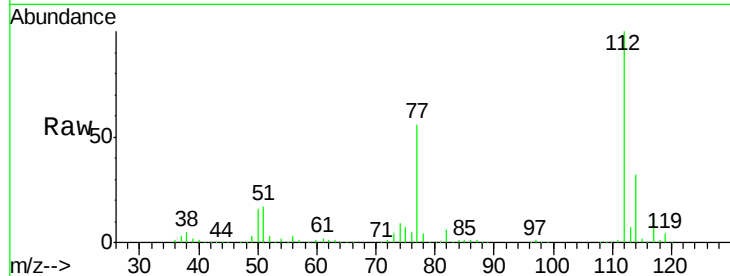
114 32.3 25.3 37.9

Manual Integrations

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MMDadoda

2/11/2019 11:00:32 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 51.422 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

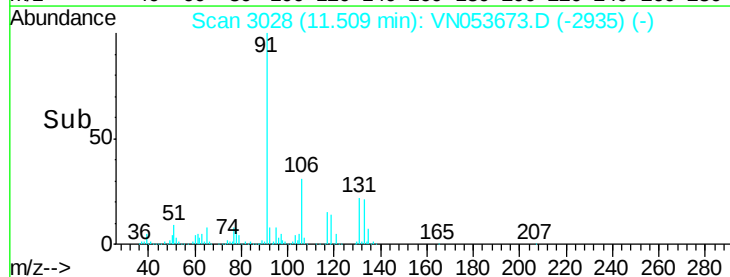
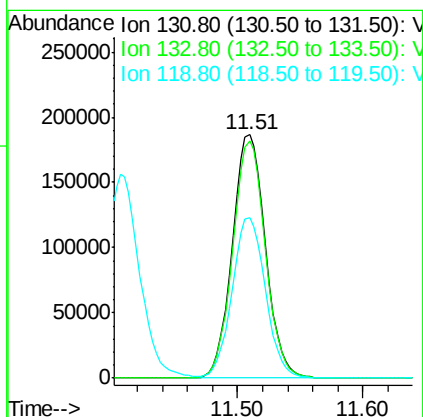
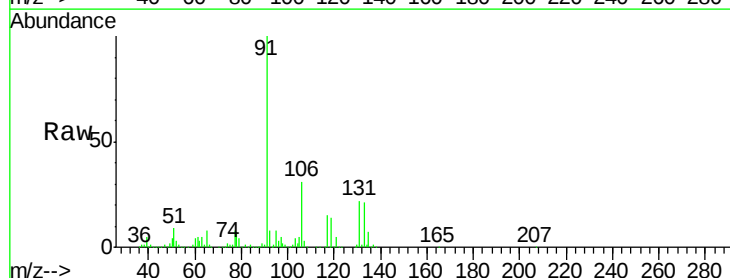
Tgt Ion:131 Resp: 341478

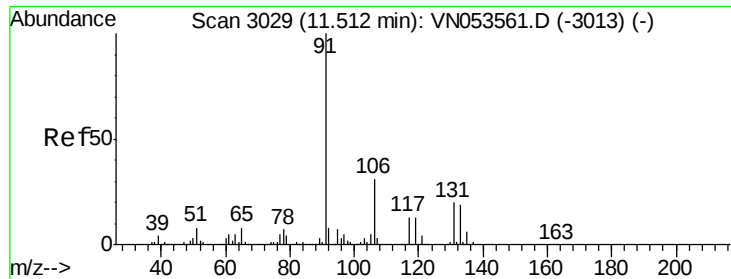
Ion Ratio Lower Upper

131 100

133 96.5 48.0 144.0

119 66.6 33.5 100.5





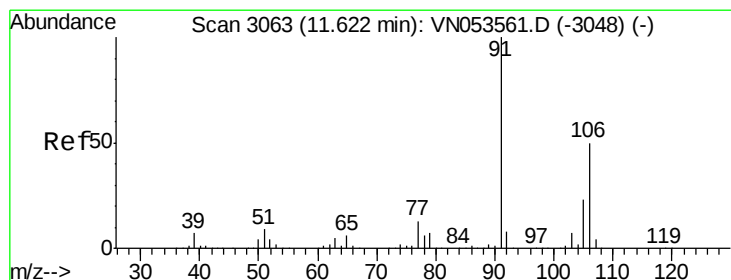
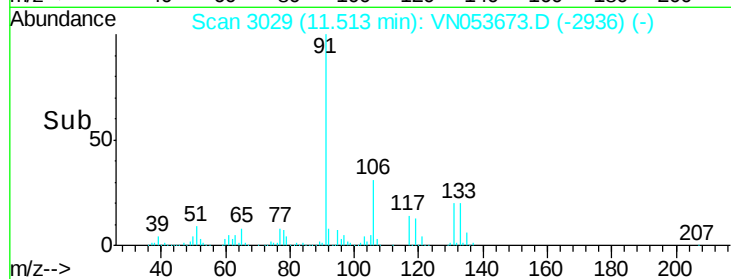
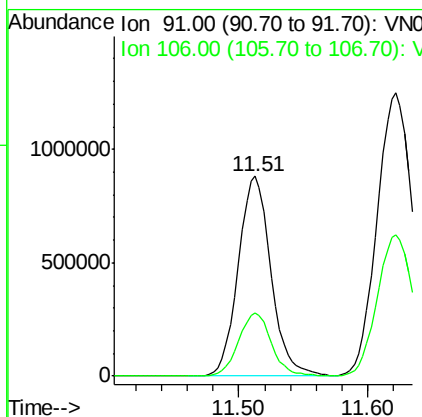
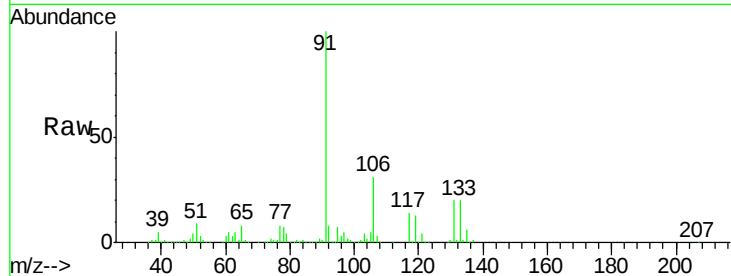
#67
Ethyl Benzene
Concen: 49.983 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1561231
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6

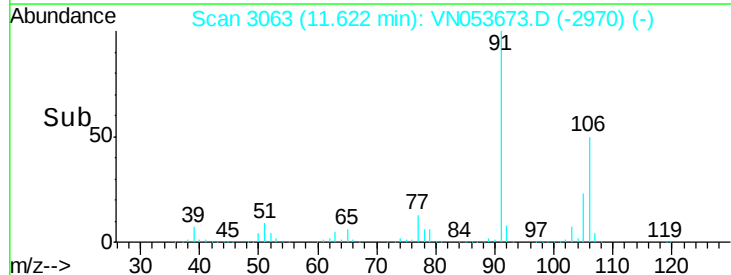
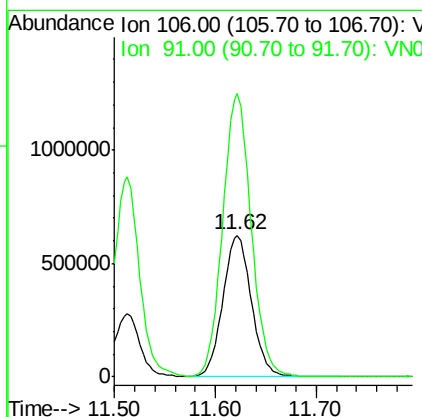
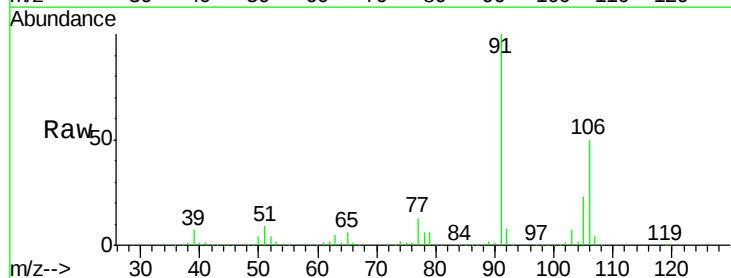
Manual Integrations
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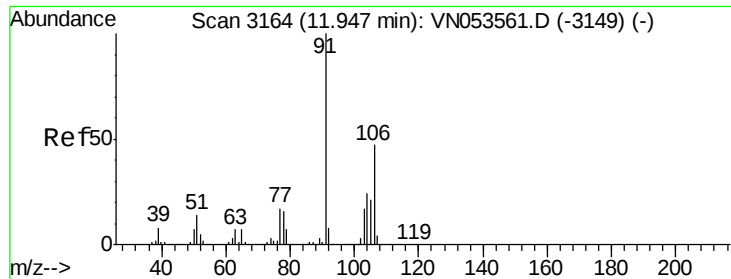
MMDadoda
2/11/2019 11:00:32 AM



#68
m/p-Xylenes
Concen: 103.305 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion: 106 Resp: 1231530
Ion Ratio Lower Upper
106 100
91 199.7 161.4 242.2





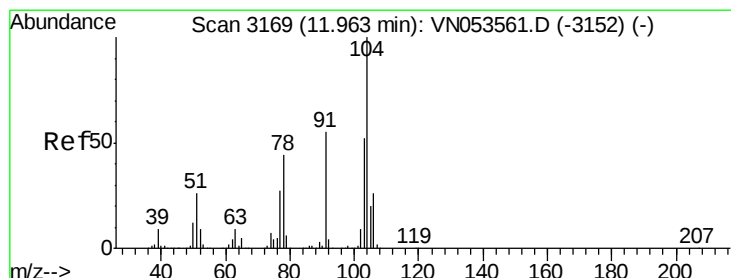
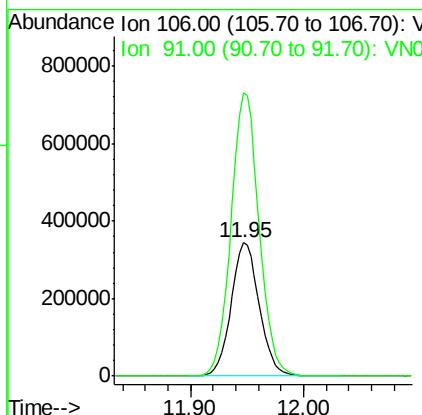
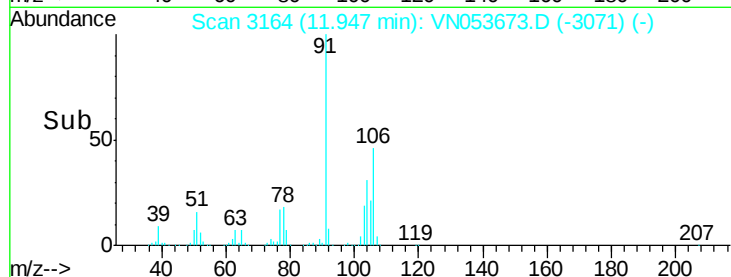
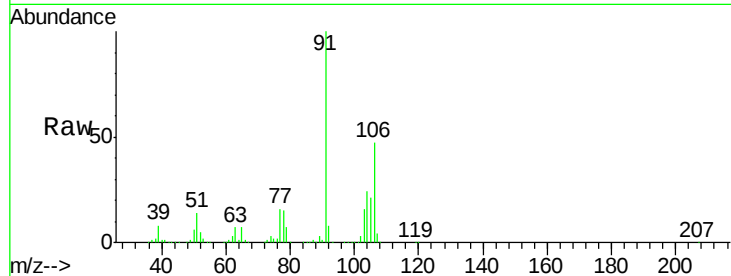
#69
o-Xylene
Concen: 51.523 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	593400		
91	91	212.1	106.9	320.8	

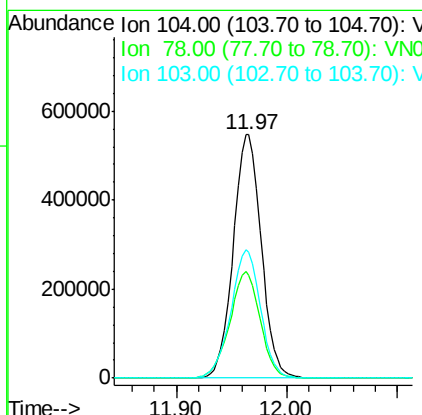
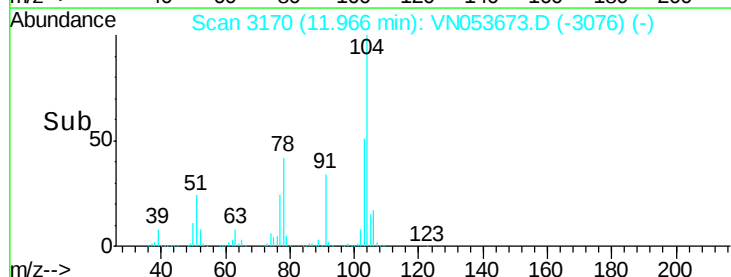
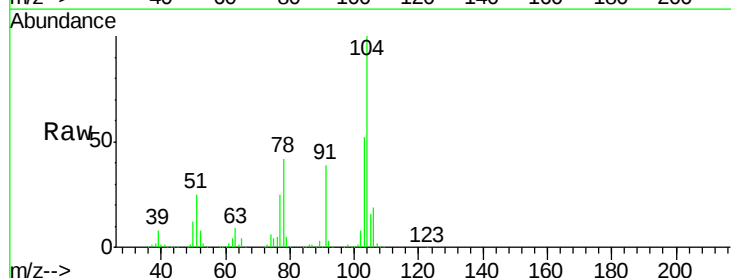
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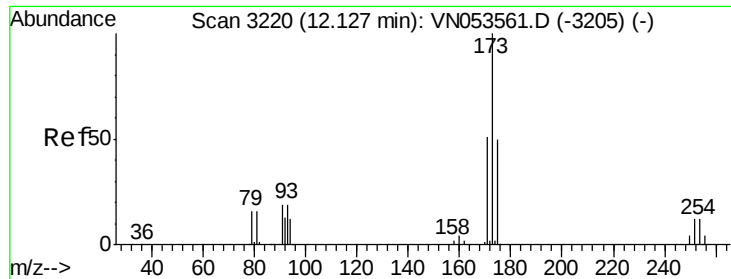
MMDadoda
2/11/2019 11:00:32 AM



#70
Styrene
Concen: 51.632 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	963823		
78	78	47.4	38.2	57.2	
103	103	55.8	44.4	66.6	





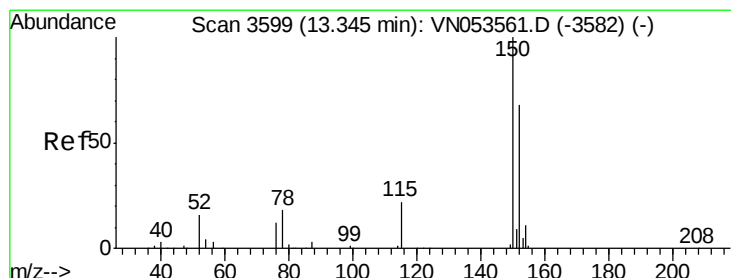
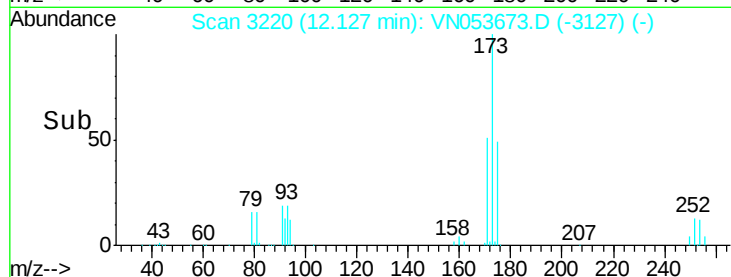
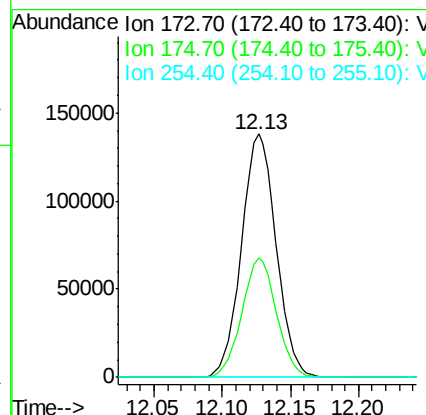
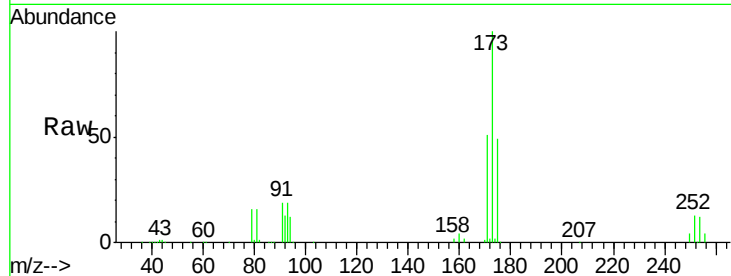
#71
Bromoform
Concen: 53.298 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	74.0
254	0.1	0.2	0.2

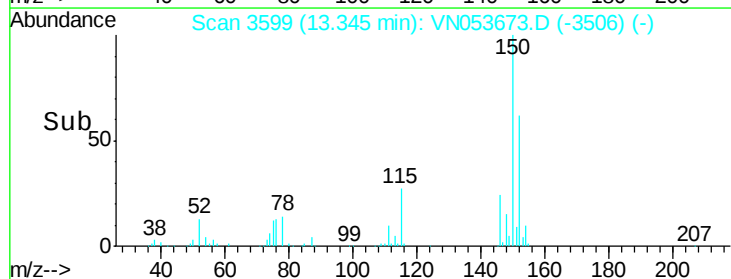
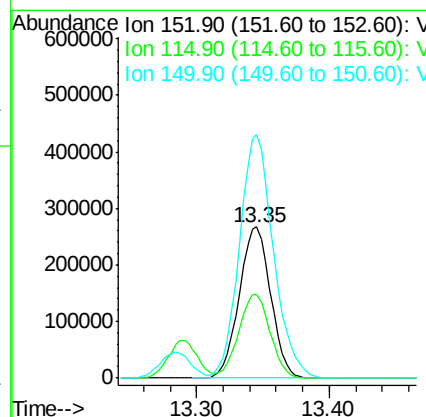
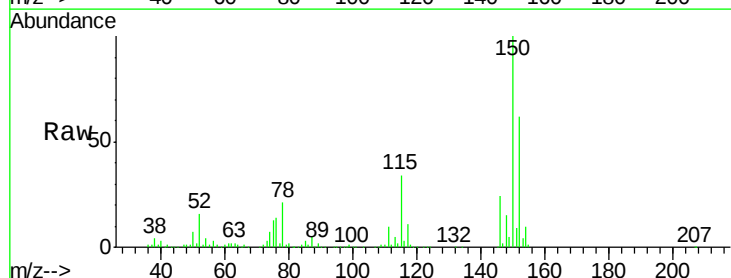
Manual Integrations
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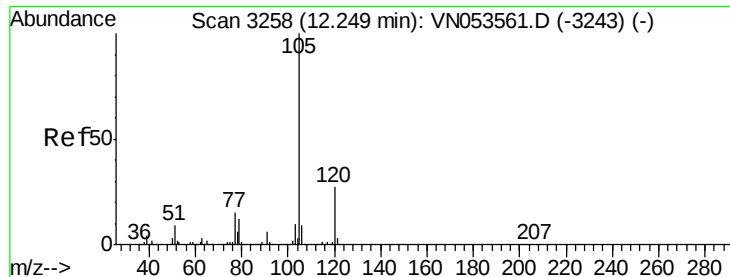
MMDadoda
2/11/2019 11:00:32 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.8	83.4
150	174.3	0.0	349.0





#73

Isopropylbenzene

Concen: 50.313 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1555180

Ion Ratio Lower Upper

105 100

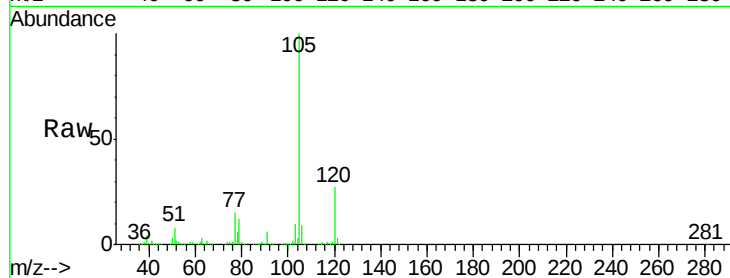
120 27.0 13.6 40.7

Manual Integrations

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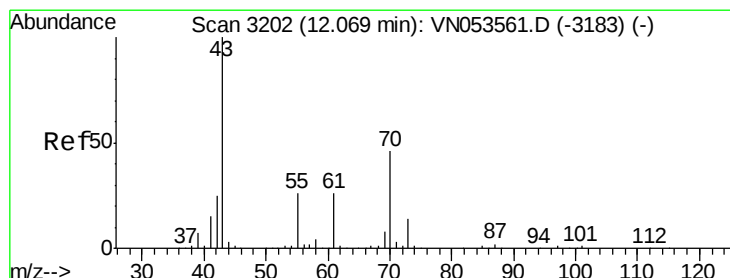
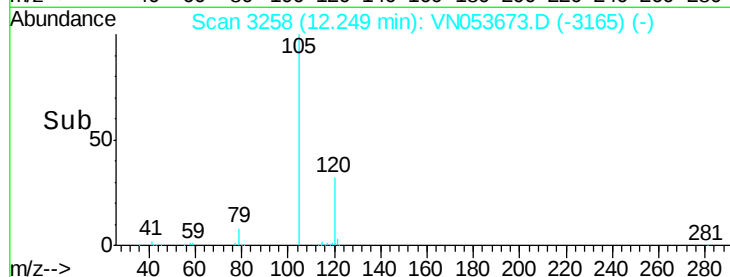
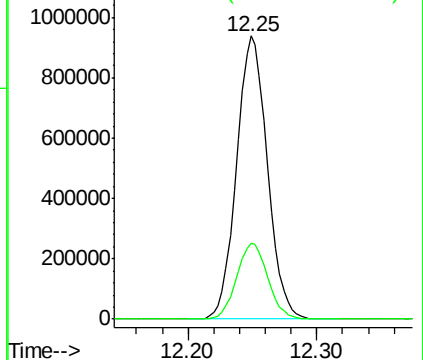
MMDadoda

2/11/2019 11:00:32 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.813 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Tgt Ion: 43 Resp: 370254

Ion Ratio Lower Upper

43 100

70 45.7 35.4 53.2

55 26.4 20.9 31.3

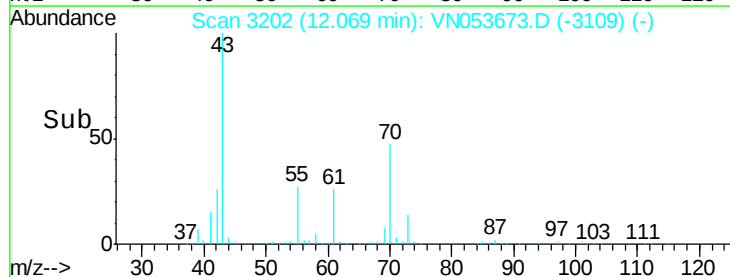
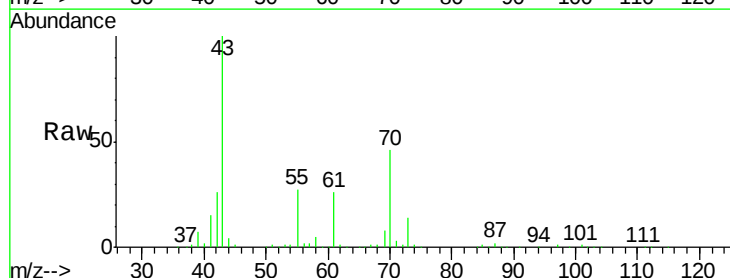
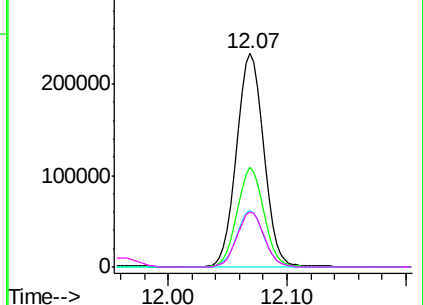
61 25.8 20.5 30.7

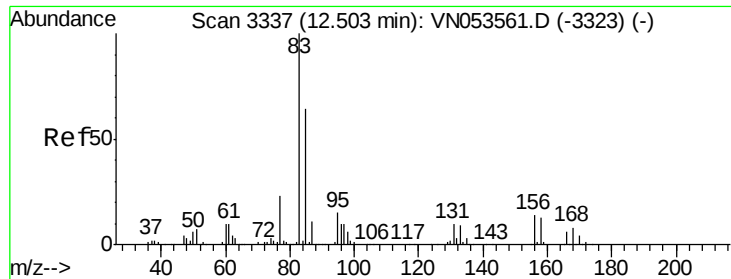
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.290 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 349830

Ion Ratio Lower Upper

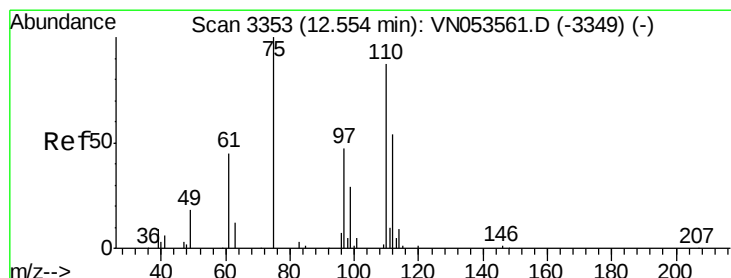
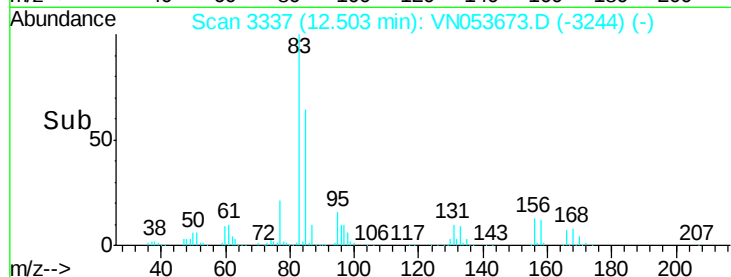
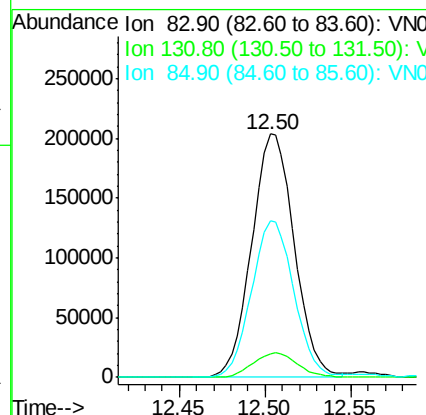
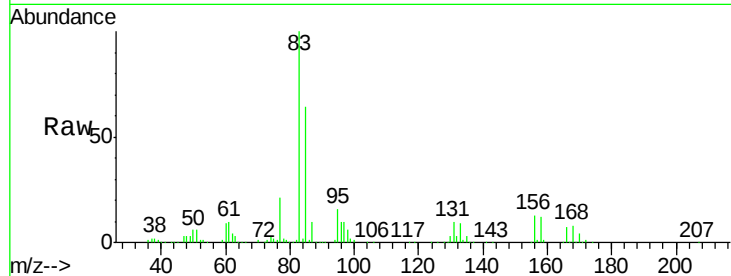
83 100

131 10.5 5.3 15.8

85 63.9 32.1 96.3

Manual Integrations
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MMDadoda
2/11/2019 11:00:32 AM



#76

1,2,3-Trichloropropane

Concen: 50.423 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053673.D

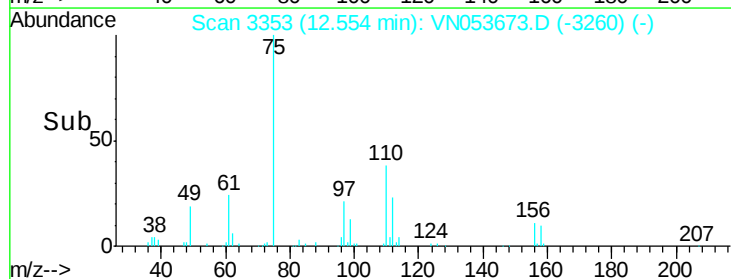
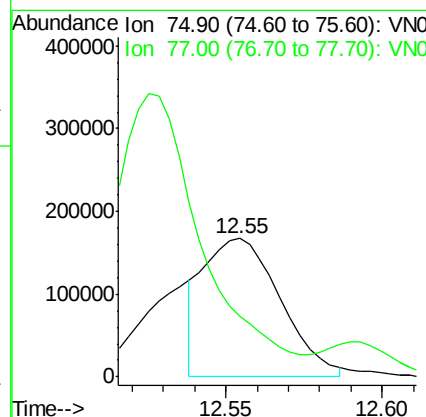
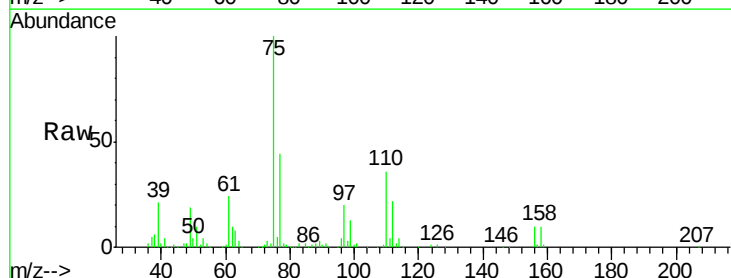
Acq: 8 Feb 2019 11:02

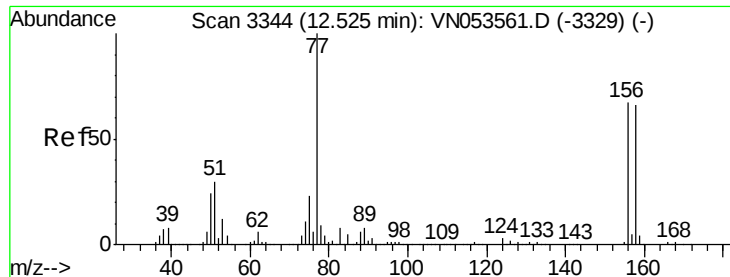
Tgt Ion: 75 Resp: 284769

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.604 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

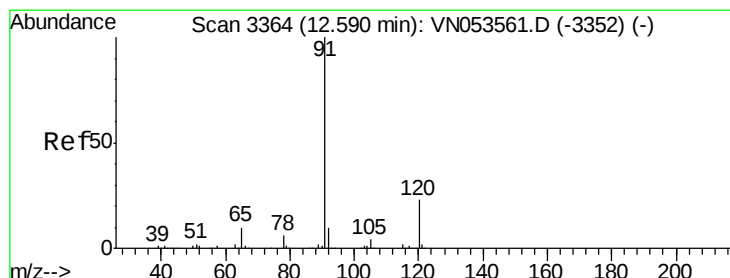
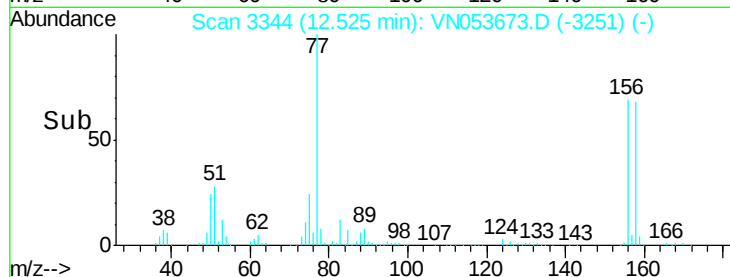
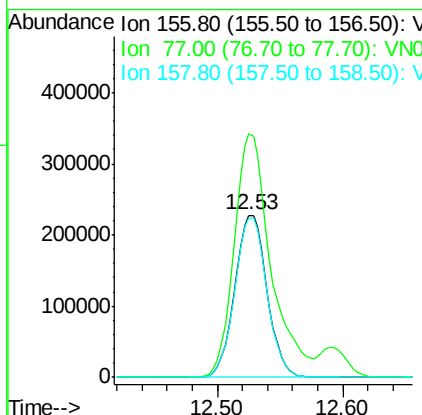
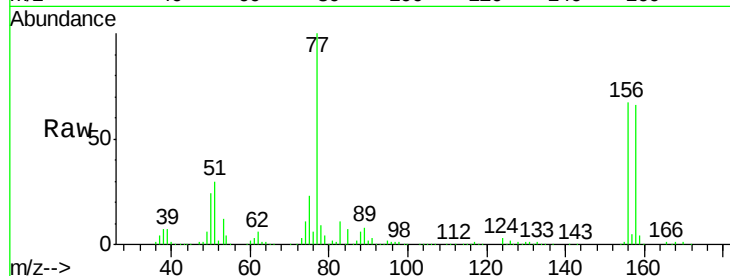
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	404895
Ion Ratio	Lower	Upper	
156	100		
77	171.9	87.9	263.8
158	98.2	48.8	146.4

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#78

n-propylbenzene

Concen: 50.875 ug/l

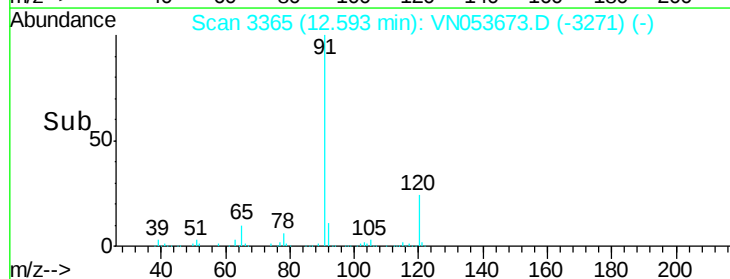
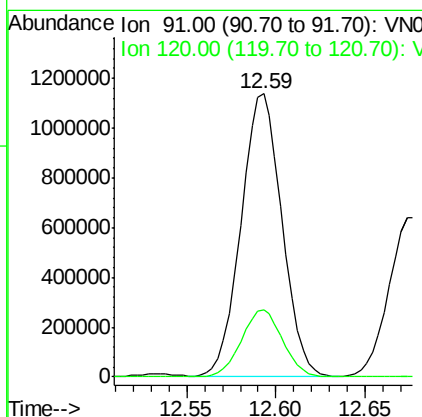
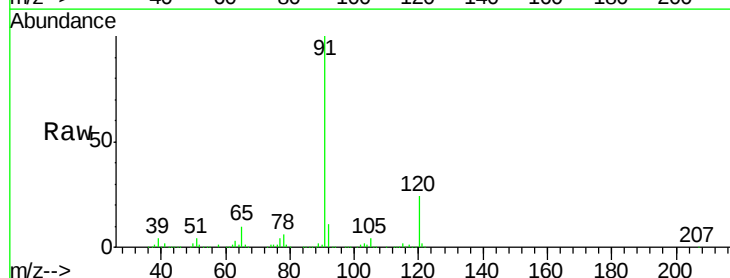
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Tgt Ion:	91	Resp:	1817886
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.5





#79

2-Chlorotoluene

Concen: 50.455 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1069614

Ion Ratio Lower Upper

91 100

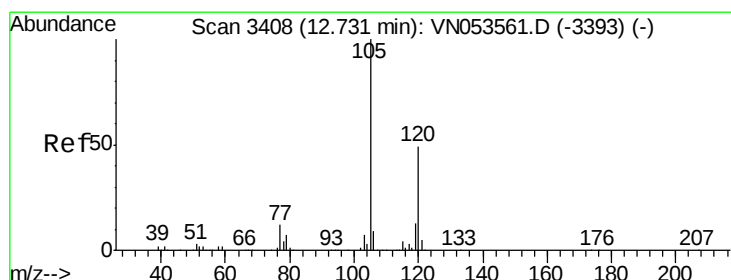
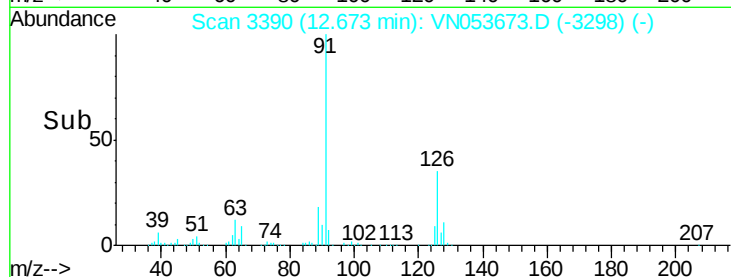
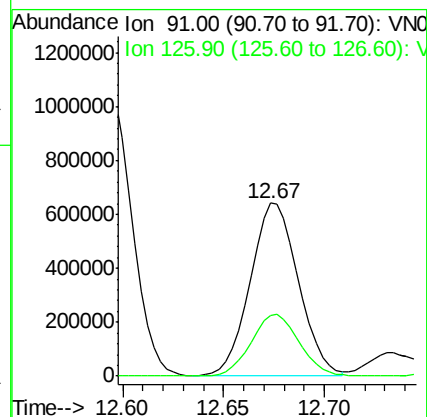
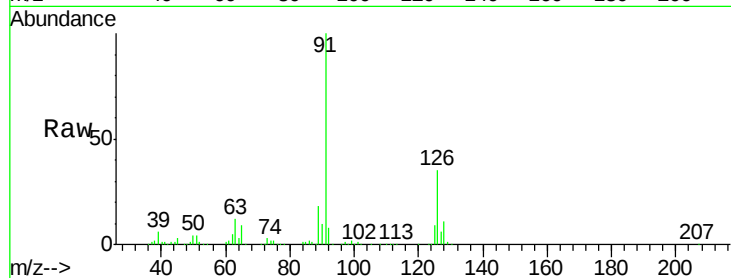
126 35.9 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.770 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053673.D

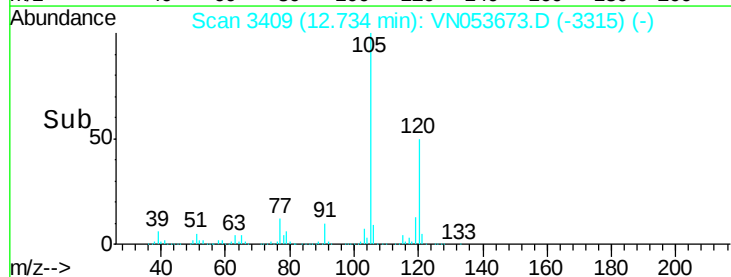
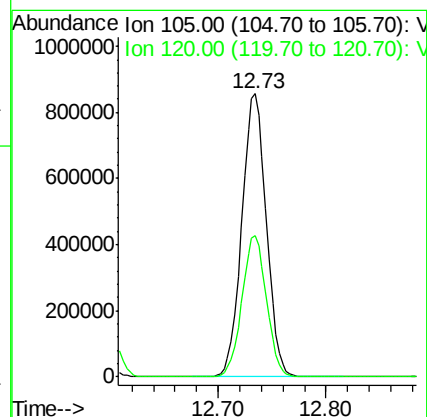
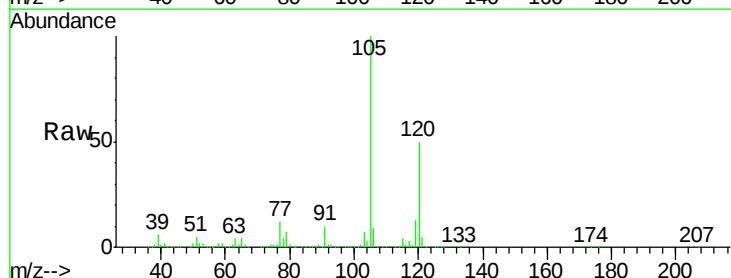
Acq: 8 Feb 2019 11:02

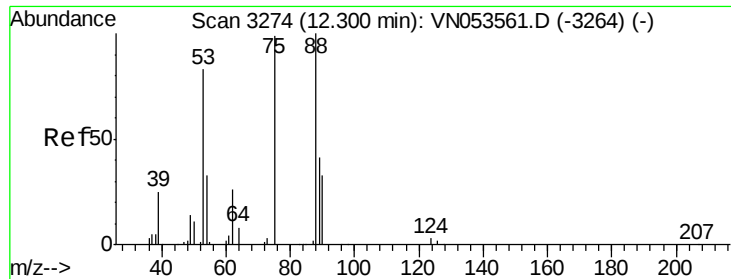
Tgt Ion: 105 Resp: 1352600

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6





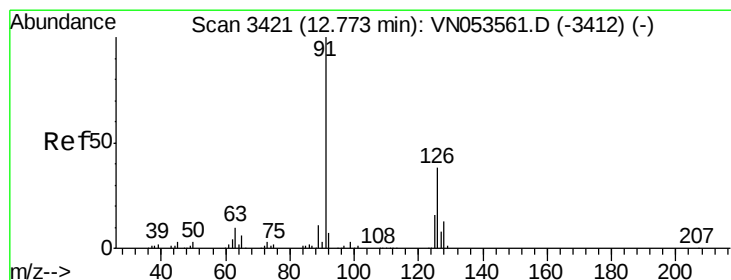
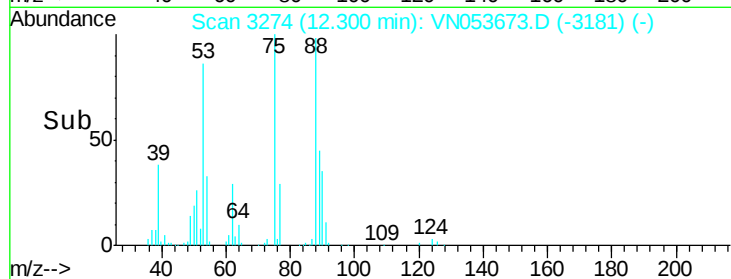
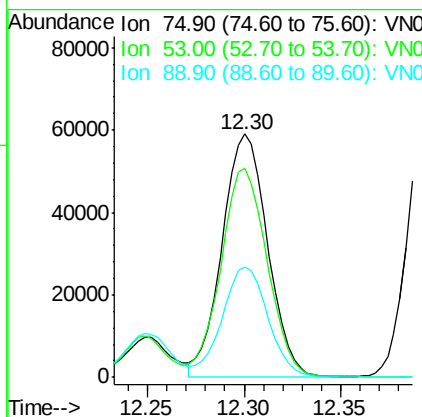
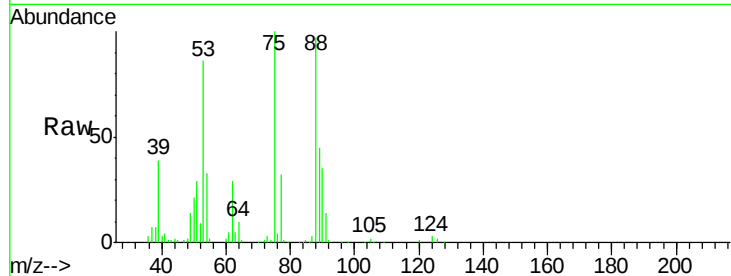
#81
trans-1,4-Dichloro-2-butene
Concen: 48.243 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.0	69.8	104.6
89	45.6	35.6	53.4

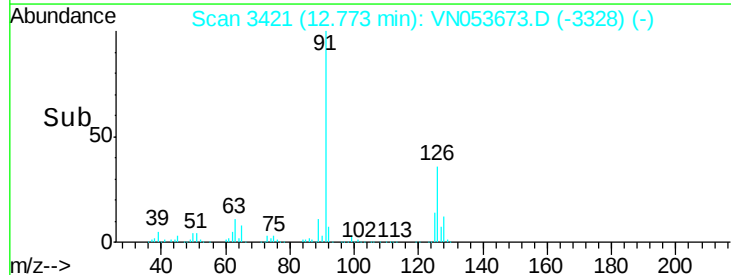
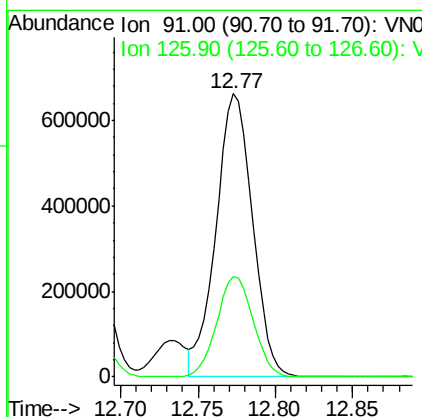
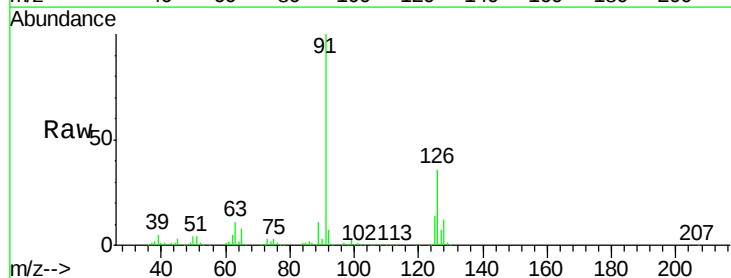
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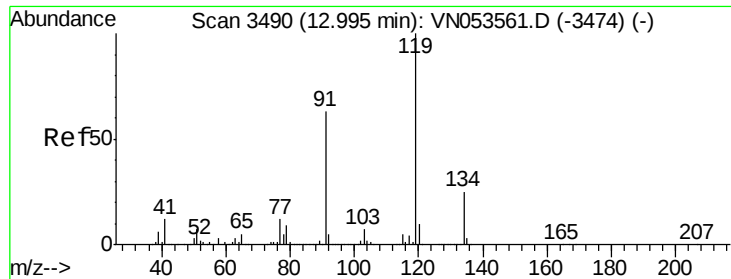
MMDadoda
2/11/2019 11:00:32 AM



#82
4-Chlorotoluene
Concen: 49.744 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.6	52.9





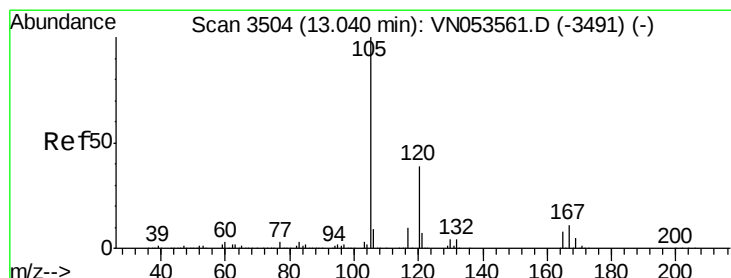
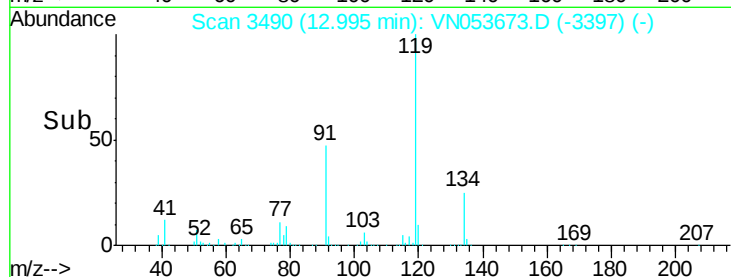
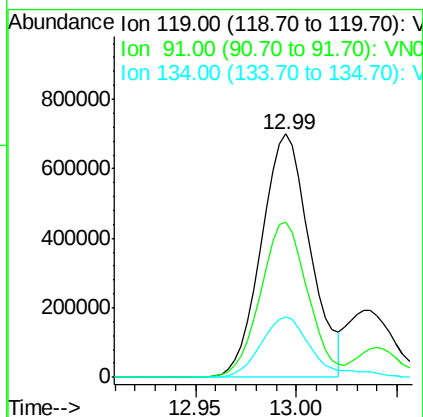
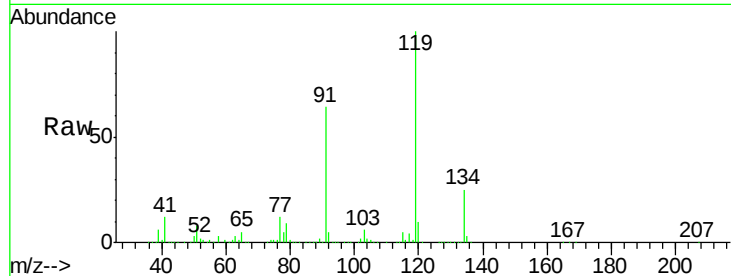
#83
 tert-Butylbenzene
 Concen: 52.030 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1178705
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.3 93.8
 134 26.3 12.9 38.7

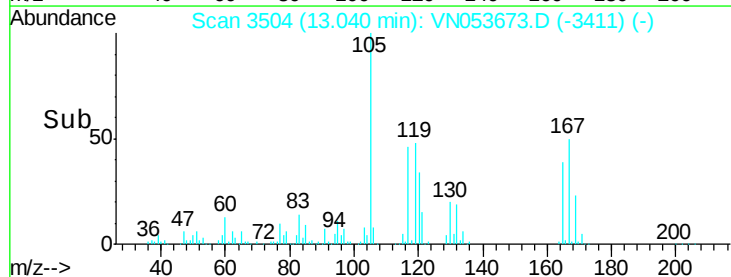
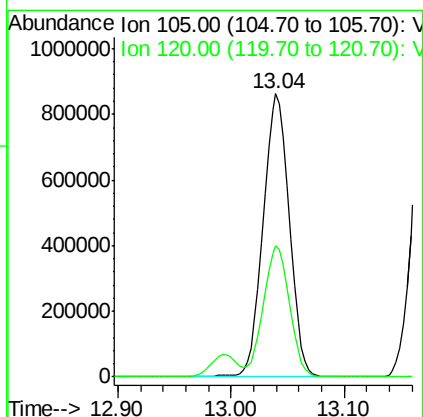
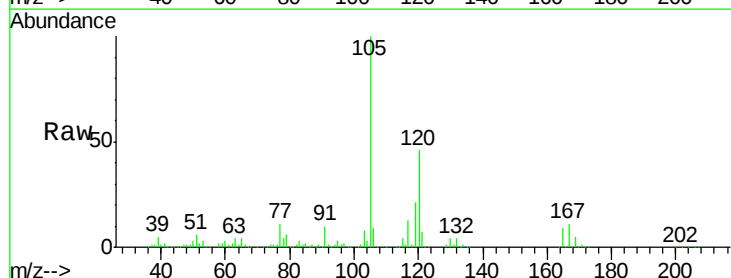
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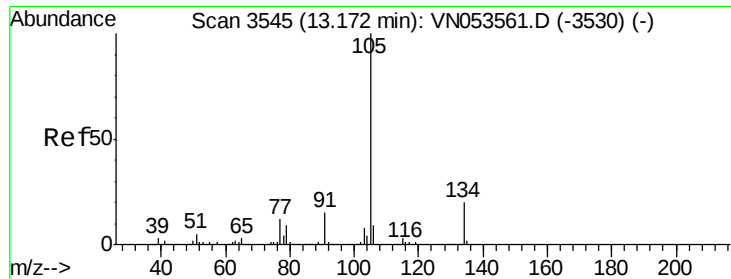
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.980 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Tgt Ion:105 Resp: 1383543
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 52.510 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1618770

Ion Ratio Lower Upper

105 100

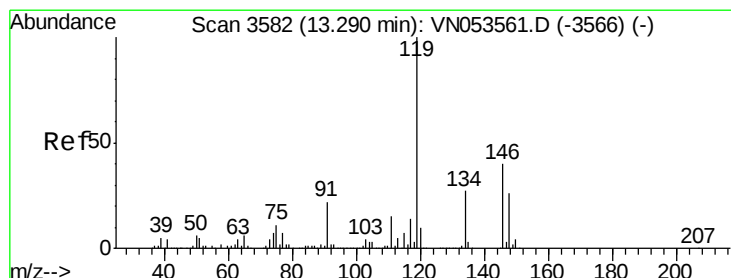
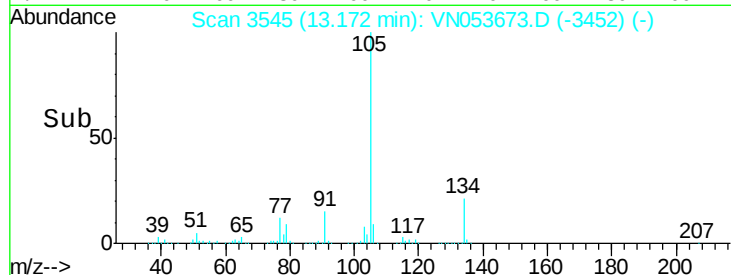
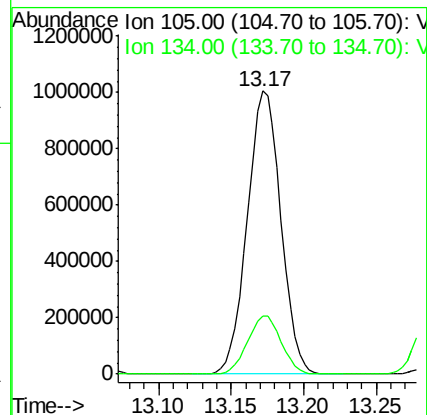
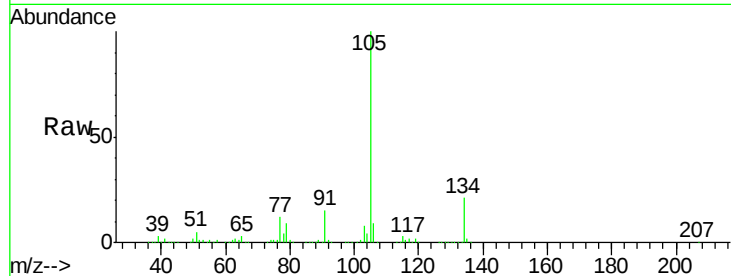
134 20.5 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 53.527 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

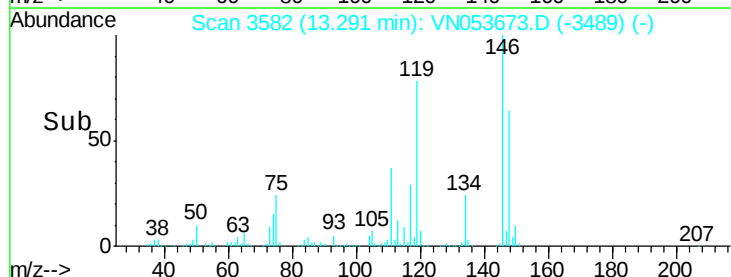
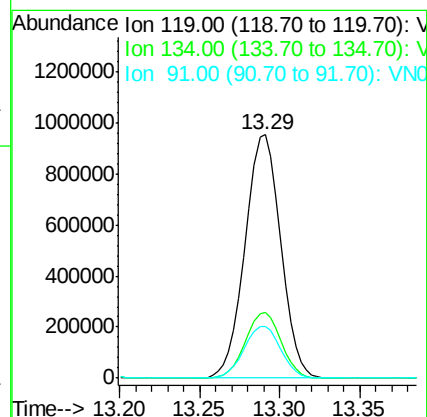
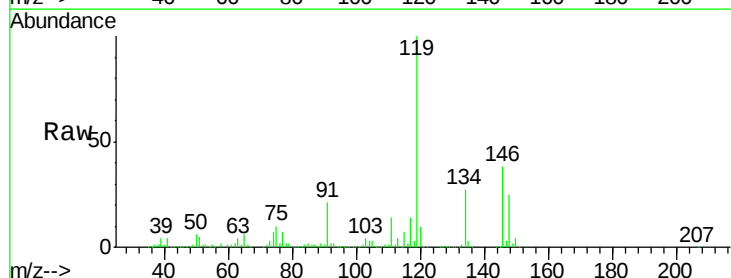
Tgt Ion:119 Resp: 1443177

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 21.8 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 49.774 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

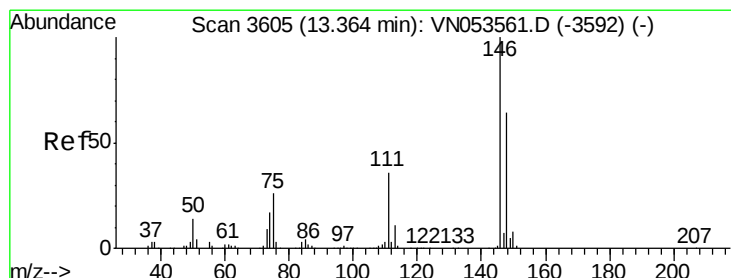
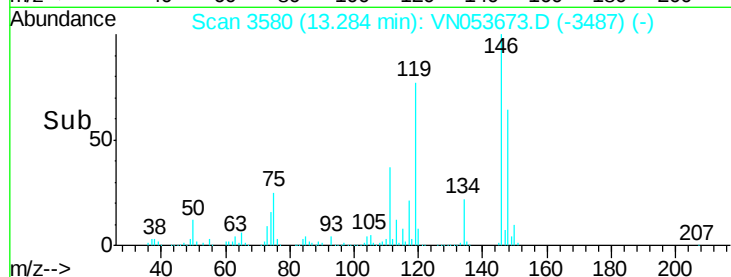
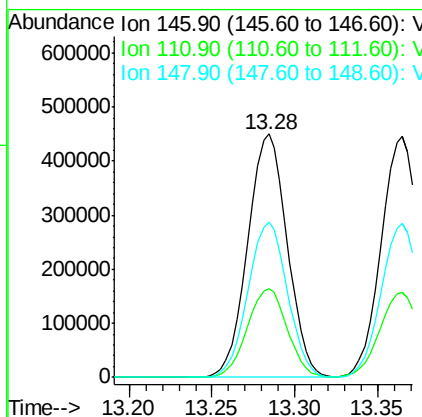
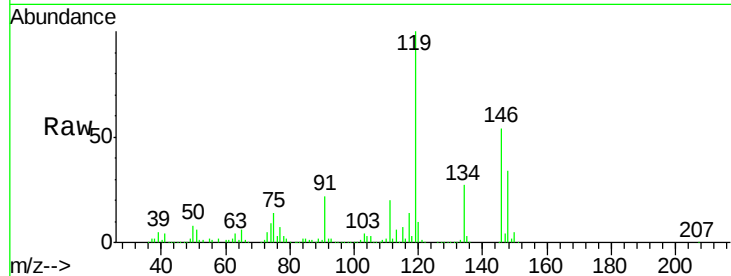
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	745381
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.8	56.3
148	63.8	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.219 ug/l

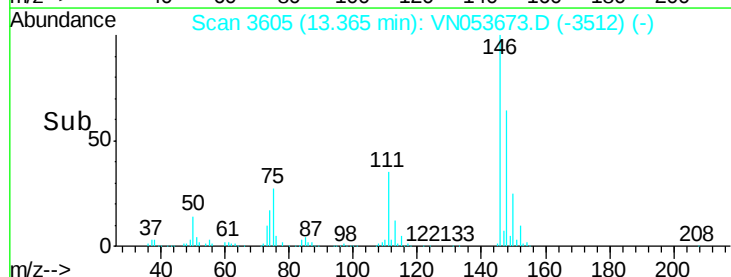
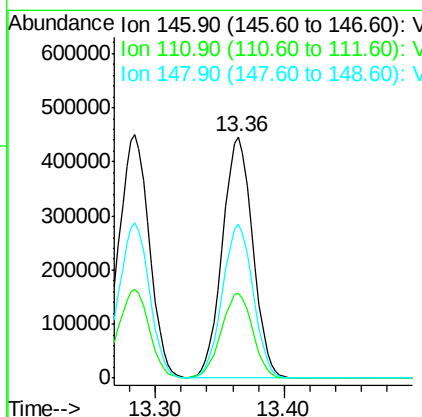
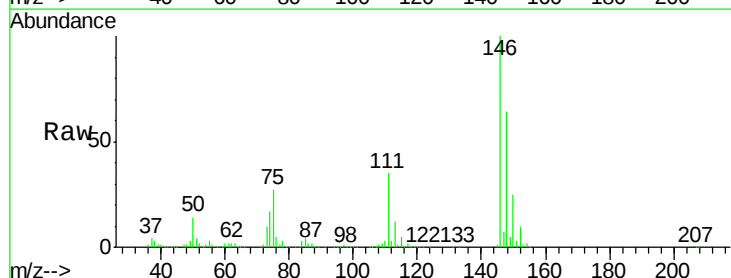
RT: 13.36 min Scan# 3605

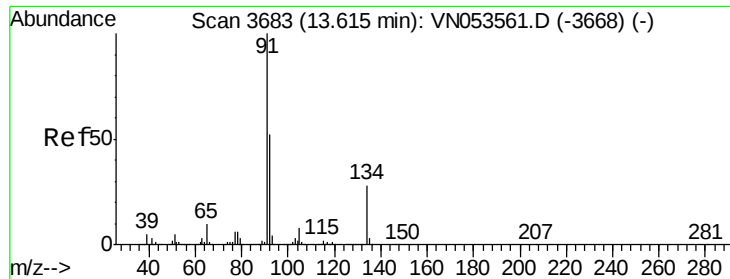
Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Tgt Ion:	146	Resp:	729108
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.6	55.8
148	64.5	32.4	97.0





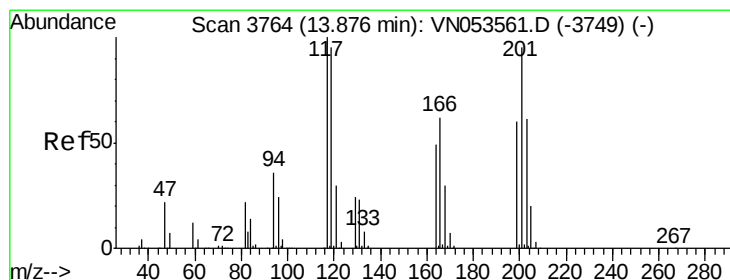
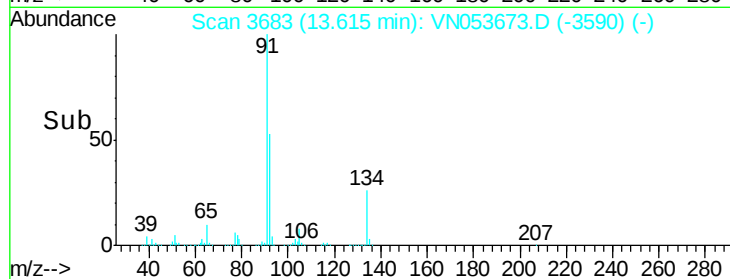
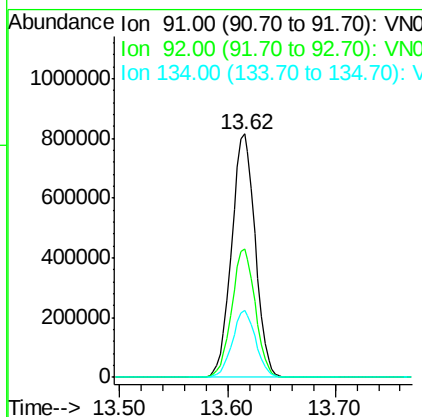
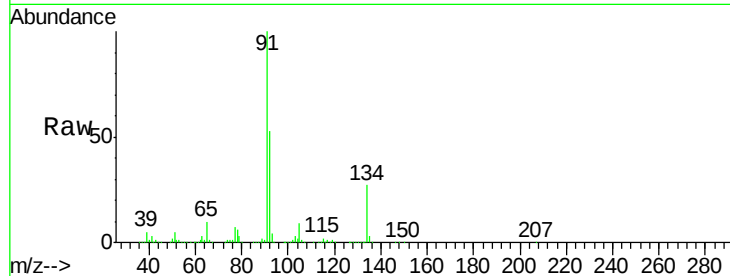
#89
n-Butylbenzene
Concen: 53.390 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.8
134	27.1	13.5	40.5

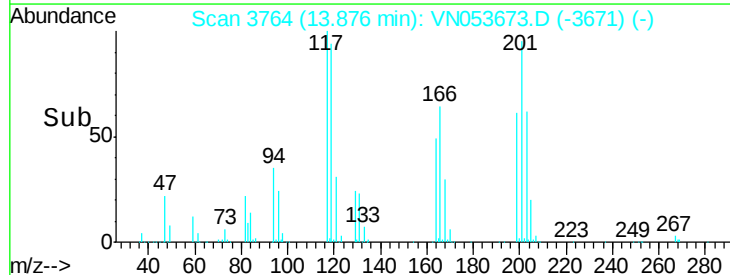
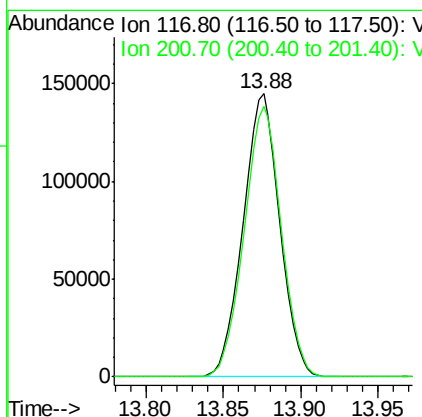
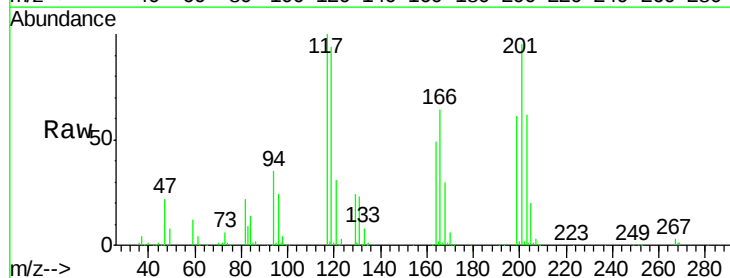
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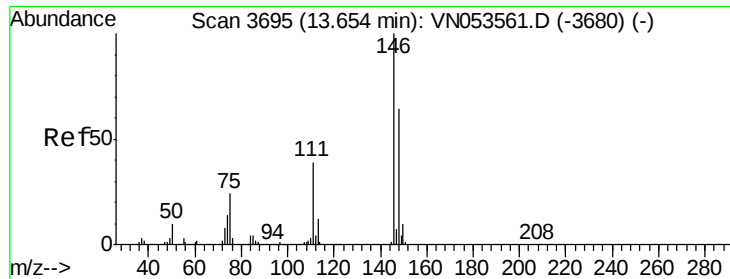
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2/11/2019 11:00:32 AM



#90
Hexachloroethane
Concen: 53.818 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.5	46.8	140.4





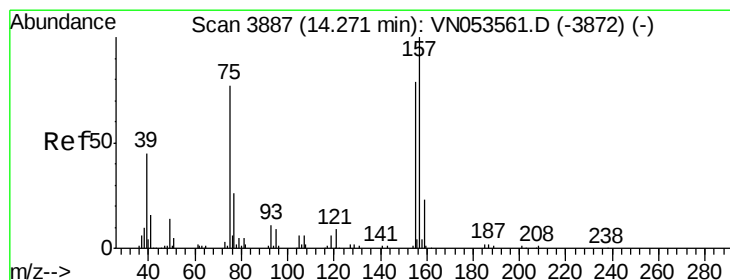
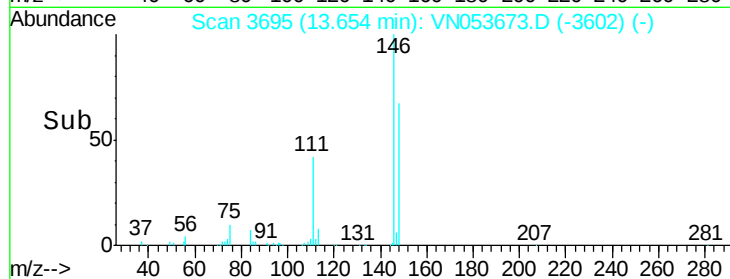
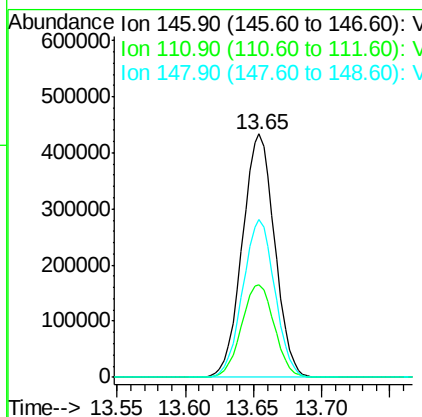
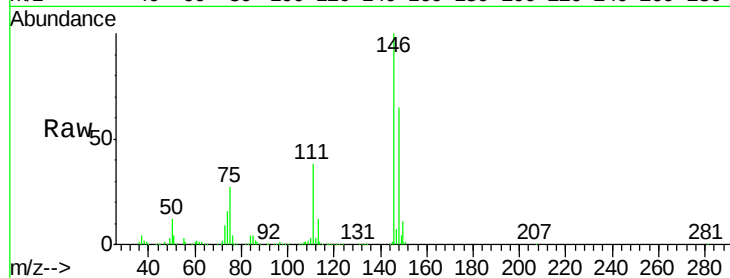
#91
 1,2-Dichlorobenzene
 Concen: 49.821 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	64.4	31.9	95.9

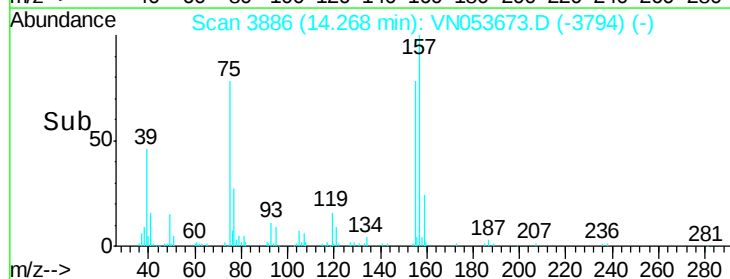
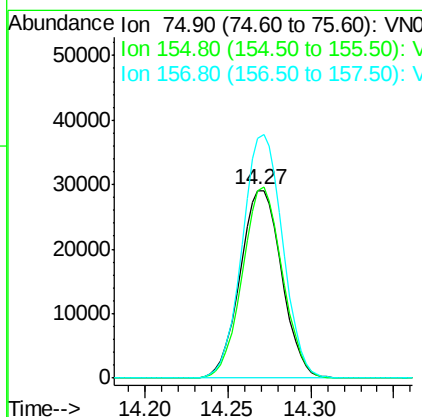
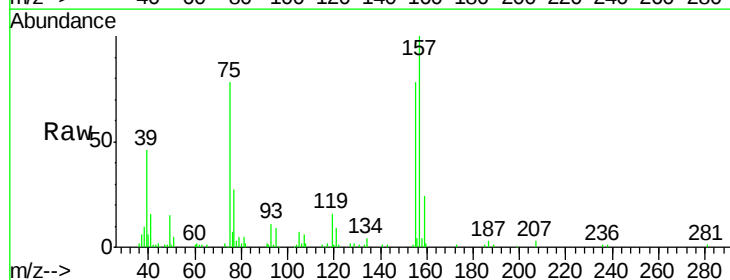
Manual Integrations
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 2/11/2019 11:00:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.288 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	48.9	146.7
157	125.6	63.7	191.3





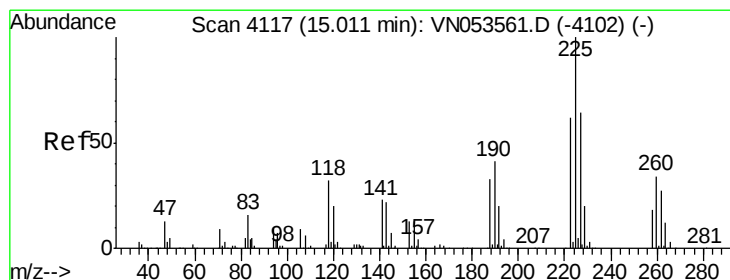
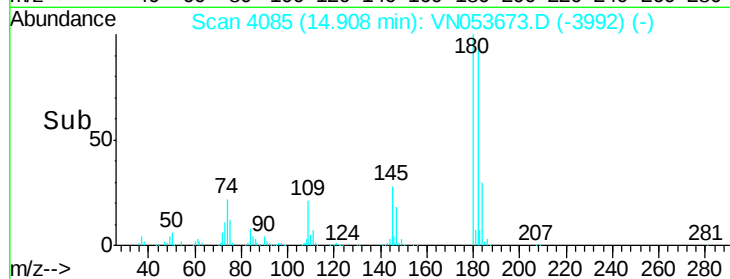
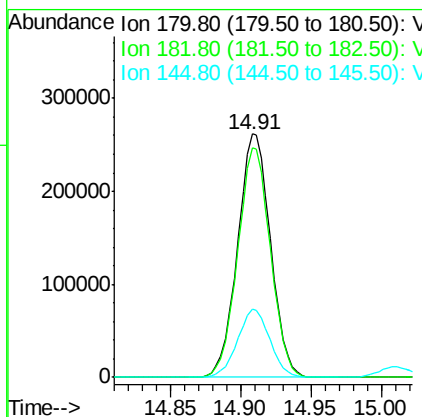
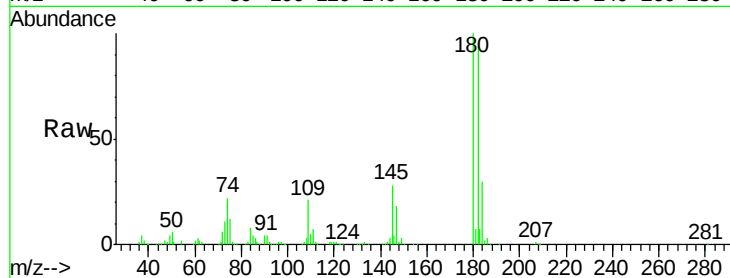
#93
 1,2,4-Trichlorobenzene
 Concen: 51.925 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	426950		
182	94.1	48.1	144.3	
145	27.7	13.9	41.6	

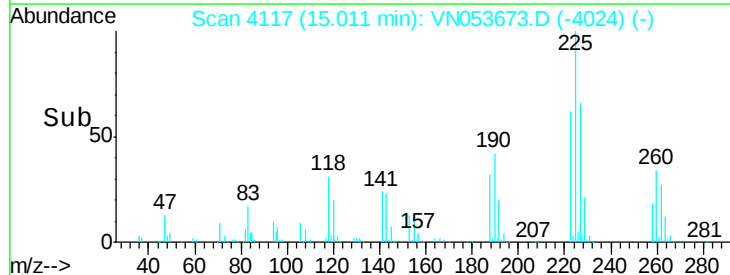
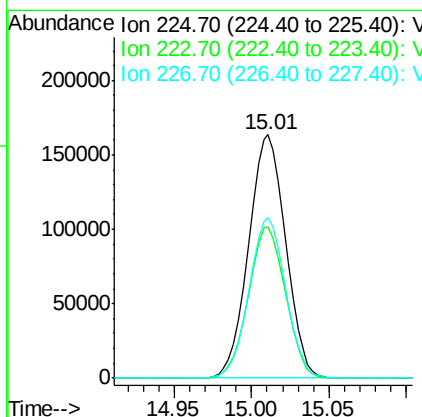
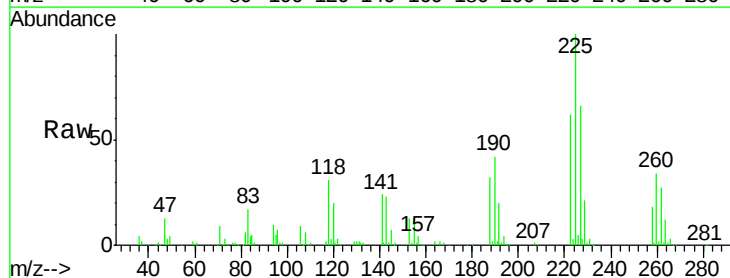
Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 11:00:32 AM



#94
 Hexachlorobutadiene
 Concen: 53.257 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	272711		
223	62.1	31.1	93.2	
227	64.9	32.0	96.2	





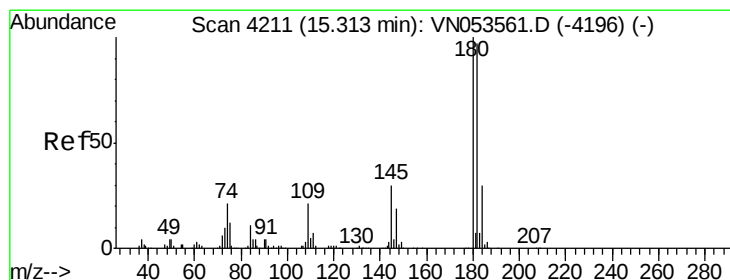
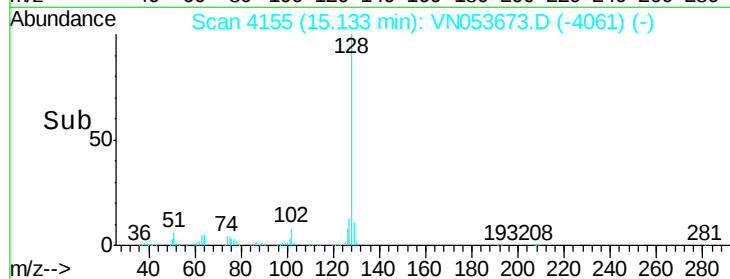
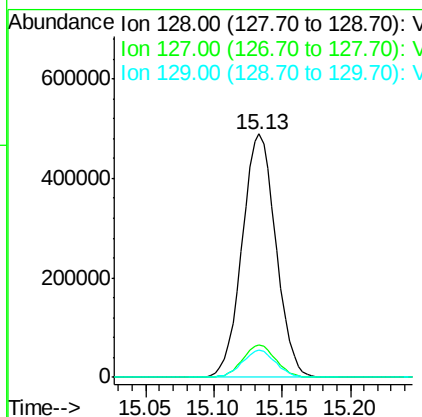
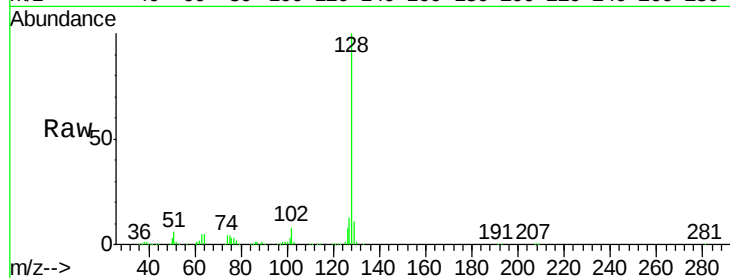
#95
Naphthalene
Concen: 43.654 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/11/2019 11:00:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.727 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.8
145	29.0	14.7	44.1

