

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032619\
 Data File : VN054706.D
 Acq On : 26 Mar 2019 19:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 9:10:25 AM

Quant Time: Mar 27 05:14:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	407002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	648952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	572322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	250288	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	278156	54.94	ug/l	0.00
Spiked Amount			Recovery	=	109.88%	
35) Dibromofluoromethane	7.59	113	224291	53.65	ug/l	0.00
Spiked Amount			Recovery	=	107.30%	
50) Toluene-d8	10.09	98	833885	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.40	95	282195	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	200058	51.418	ug/l	99
3) Chloromethane	2.06	50	283955	53.639	ug/l	99
4) Vinyl Chloride	2.19	62	259846	48.890	ug/l	99
5) Bromomethane	2.57	94	147638	42.958	ug/l	97
6) Chloroethane	2.71	64	145661	45.692	ug/l	98
7) Trichlorofluoromethane	3.03	101	325637	50.450	ug/l	98
8) Diethyl Ether	3.41	74	107612	43.350	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	167553	44.170	ug/l	93
10) Methyl Iodide	3.95	142	252135	45.185	ug/l #	88
11) Tert butyl alcohol	4.81	59	77127	251.644	ug/l	99
12) 1,1-Dichloroethene	3.73	96	169998	43.304	ug/l #	76
13) Acrolein	3.61	56	89347	211.241	ug/l	97
14) Allyl chloride	4.32	41	408434	55.251	ug/l #	91
15) Acrylonitrile	5.00	53	425694	278.905	ug/l	99
16) Acetone	3.82	43	330366	217.056	ug/l #	83
17) Carbon Disulfide	4.04	76	514722	48.935	ug/l	98
18) Methyl Acetate	4.33	43	193760	57.115	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	592294	51.698	ug/l	94
20) Methylene Chloride	4.55	84	232840	51.896	ug/l #	76
21) trans-1,2-Dichloroethene	5.04	96	217545	54.270	ug/l #	83
22) Diisopropyl ether	5.96	45	838339	57.494	ug/l #	93
23) Vinyl Acetate	5.90	43	3020261	293.280	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	439390	55.966	ug/l	98
25) 2-Butanone	6.85	43	532368	273.049	ug/l	89
26) 2,2-Dichloropropane	6.82	77	299288	53.477	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	252703	52.852	ug/l	87
28) Bromochloromethane	7.19	49	224994	58.222	ug/l #	70
29) Tetrahydrofuran	7.22	42	361275	285.539	ug/l #	83
30) Chloroform	7.37	83	425043	55.475	ug/l	98
31) Cyclohexane	7.65	56	408347	54.446	ug/l	84
32) 1,1,1-Trichloroethane	7.57	97	353713	55.958	ug/l	96
36) 1,1-Dichloropropene	7.79	75	318695	52.523	ug/l	96
37) Ethyl Acetate	6.94	43	236845	54.881	ug/l	95
38) Carbon Tetrachloride	7.77	117	308781	52.367	ug/l	99

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

39) Methylcyclohexane	9.08	83	336658	48.504	ug/l #	88
40) Benzene	8.04	78	941876	54.284	ug/l	100
41) Methacrylonitrile	7.17	41	135479	51.476	ug/l	90
42) 1,2-Dichloroethane	8.12	62	338850	53.625	ug/l	97
43) Isopropyl Acetate	8.17	43	411524	56.463	ug/l #	93
44) Trichloroethene	8.84	130	242750	50.322	ug/l	93
45) 1,2-Dichloropropane	9.12	63	269519	57.848	ug/l	97
46) Dibromomethane	9.21	93	149331	53.725	ug/l	90
47) Bromodichloromethane	9.40	83	328634	56.970	ug/l	96
48) Methyl methacrylate	9.20	41	216960	54.845	ug/l #	86
49) 1,4-Dioxane	9.20	88	44198	999.400	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1153335	285.530	ug/l	92
52) Toluene	10.16	92	564033	52.853	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	313966	51.525	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	372991	56.393	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	209138	54.519	ug/l	97
56) Ethyl methacrylate	10.43	69	284197	55.197	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	368039	55.192	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	515890	243.326	ug/l	90
59) 2-Hexanone	10.75	43	720186	272.962	ug/l	90
60) Dibromochloromethane	10.90	129	226729	55.544	ug/l	99
61) 1,2-Dibromoethane	11.01	107	201782	53.206	ug/l	99
64) Tetrachloroethene	10.63	164	228155	48.061	ug/l	96
65) Chlorobenzene	11.43	112	599354	51.489	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	225637	54.005	ug/l	98
67) Ethyl Benzene	11.51	91	1076519	52.355	ug/l	98
68) m/p-Xylenes	11.62	106	793632	101.900	ug/l	95
69) o-Xylene	11.95	106	388477	51.075	ug/l	96
70) Styrene	11.96	104	649122	52.553	ug/l	97
71) Bromoform	12.13	173	139467	48.488	ug/l #	97
73) Isopropylbenzene	12.25	105	1014229	50.287	ug/l	98
74) N-amyl acetate	12.07	43	328354	56.620	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	251336	54.591	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	212194m	53.427	ug/l	
77) Bromobenzene	12.53	156	251810	50.341	ug/l	85
78) n-propylbenzene	12.59	91	1121801	51.294	ug/l	97
79) 2-Chlorotoluene	12.67	91	694709	50.939	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	835831	50.565	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	58092	50.396	ug/l #	83
82) 4-Chlorotoluene	12.77	91	683662	51.716	ug/l	96
83) tert-Butylbenzene	12.99	119	710329	49.368	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	816656	50.350	ug/l	99
85) sec-Butylbenzene	13.17	105	893745	49.828	ug/l	97
86) p-Isopropyltoluene	13.29	119	784951	48.916	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	418674	50.508	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	401579	49.792	ug/l	98
89) n-Butylbenzene	13.61	91	633085	50.455	ug/l	98
90) Hexachloroethane	13.87	117	134962	54.183	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	411970	51.311	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36645	54.265	ug/l	82

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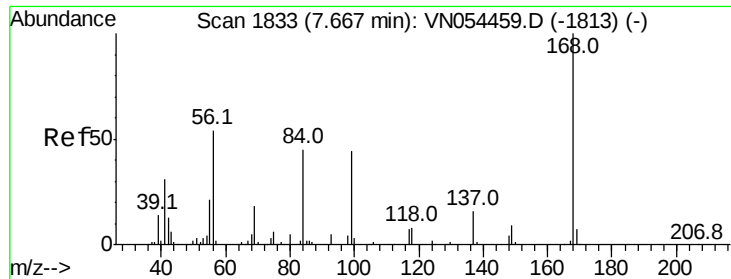
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	196557	49.109	ug/l	99
94) Hexachlorobutadiene	15.01	225	114231	50.838	ug/l	99
95) Naphthalene	15.13	128	438634	49.132	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	194333	48.784	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: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 407002

Ion Ratio Lower Upper

168 100

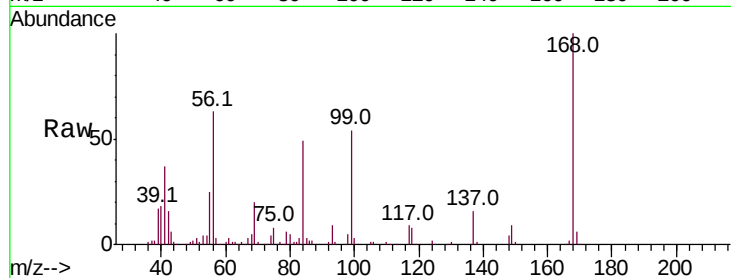
99 53.3 37.1 55.7

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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

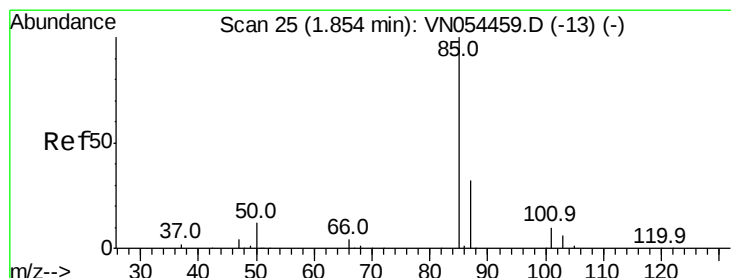
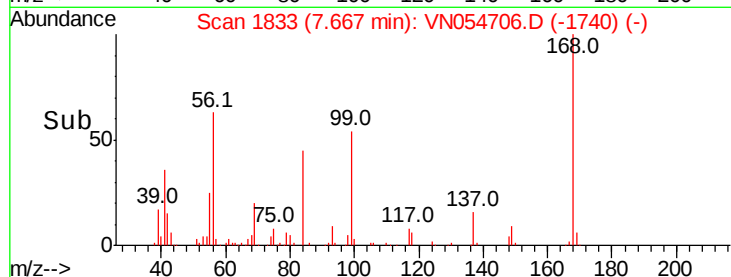
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100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.418 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054706.D

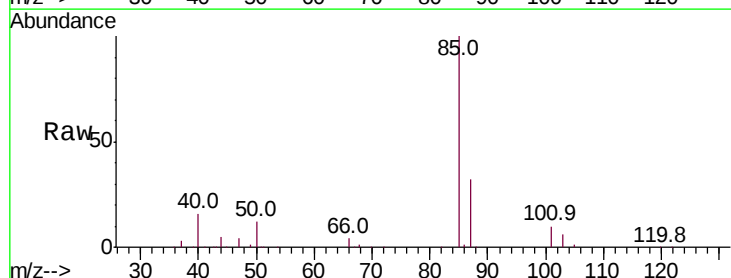
Acq: 26 Mar 2019 19:33

Tgt Ion: 85 Resp: 200058

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

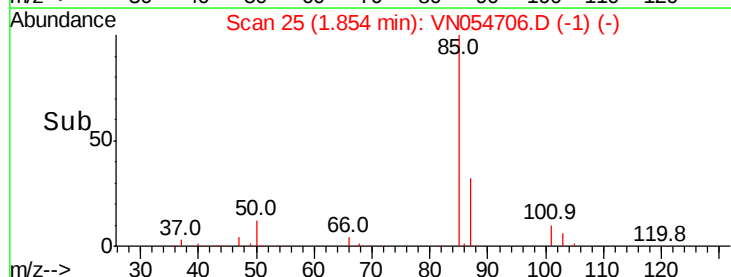
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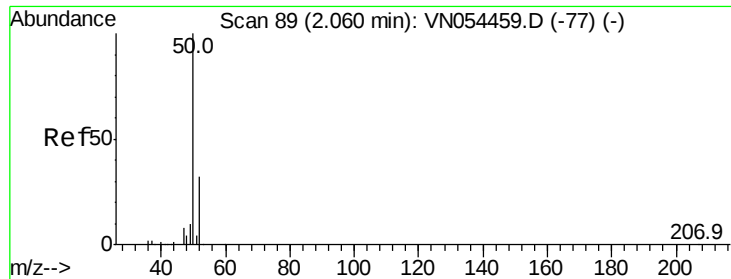
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50000

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Time-->





#3

Chloromethane

Concen: 53.639 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 283955

Ion Ratio Lower Upper

50 100

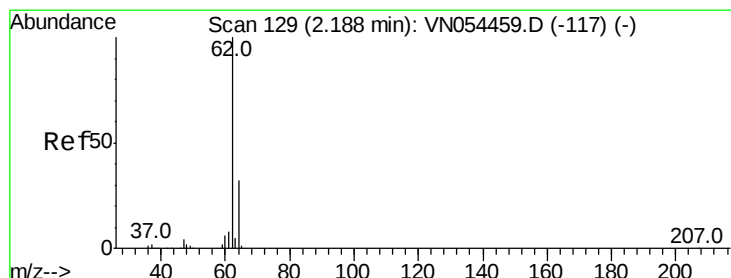
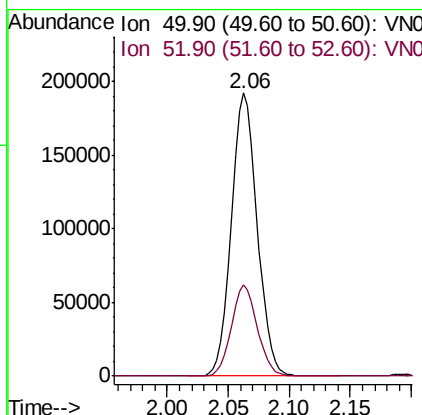
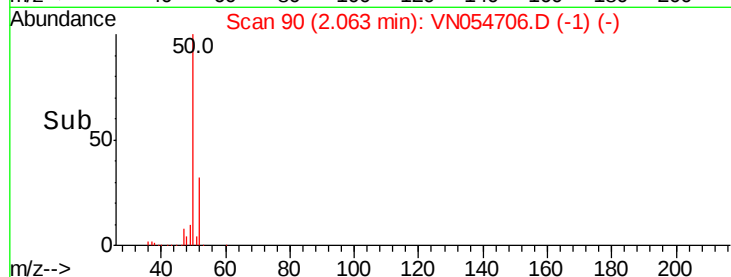
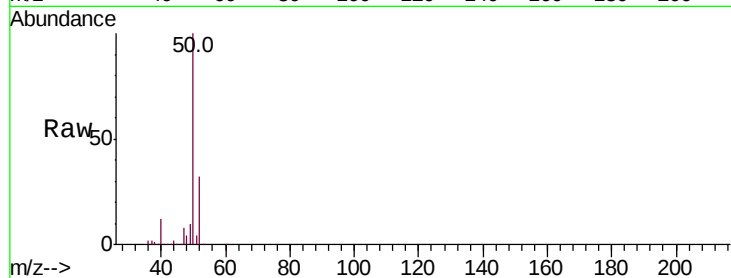
52 32.3 26.4 39.6

Manual Integrations

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3/27/2019 9:10:25 AM



#4

Vinyl Chloride

Concen: 48.890 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054706.D

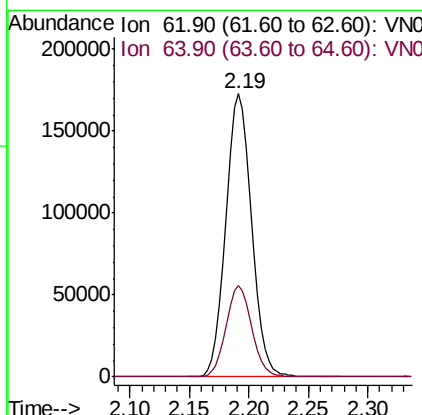
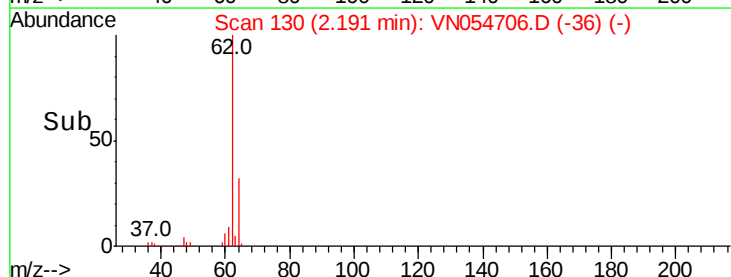
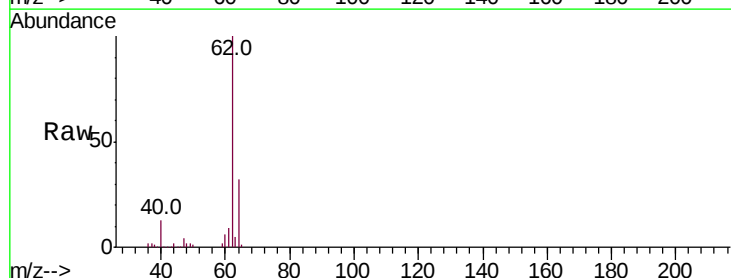
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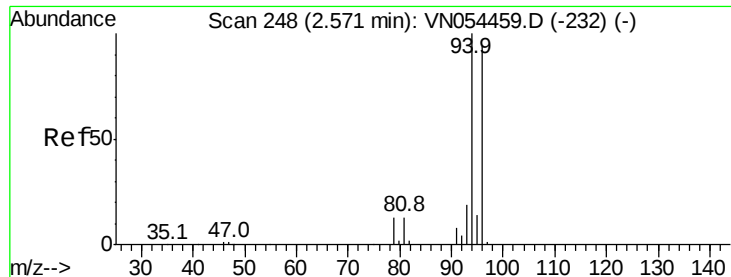
Tgt Ion: 62 Resp: 259846

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 42.958 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

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Tot Ion: 94 Resp: 147638

Ion Ratio Lower Upper

94 100

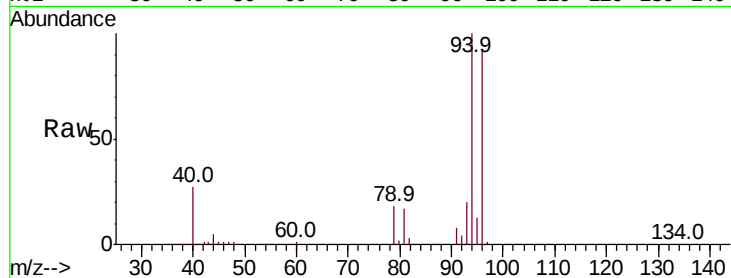
96 93.2 77.0 115.4

Manual Integrations

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3/27/2019 9:10:25 AM



Abundance Ion 93.90 (93.60 to 94.60): VN054459.D (-232) (-)

Ion 95.90 (95.60 to 96.60): VN054459.D (-232) (-)

2.57

80000

60000

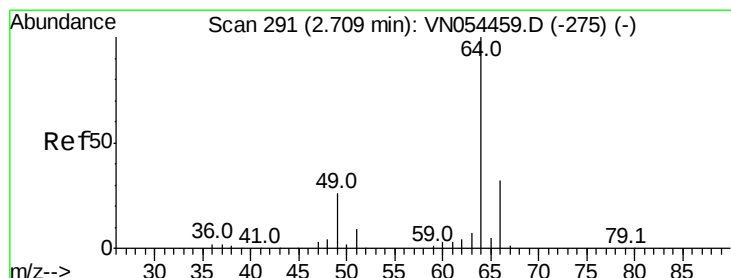
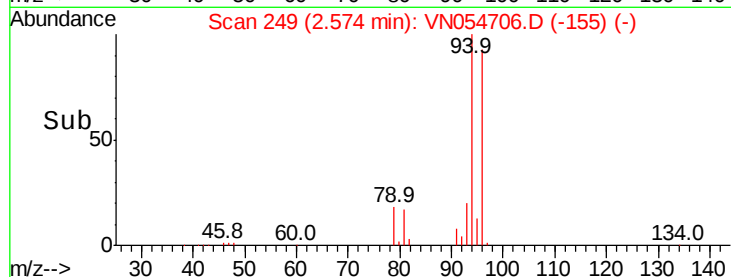
40000

20000

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Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 45.692 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054706.D

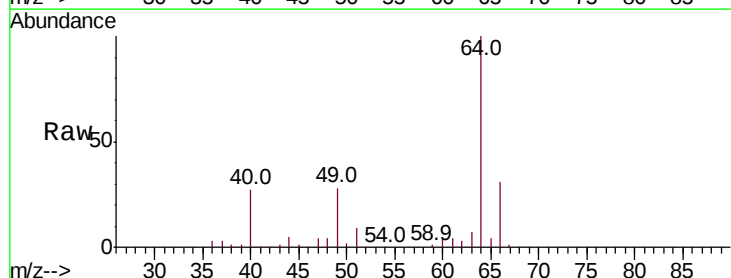
Acq: 26 Mar 2019 19:33

Tgt Ion: 64 Resp: 145661

Ion Ratio Lower Upper

64 100

66 31.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN054459.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN054459.D (-275) (-)

2.71

80000

60000

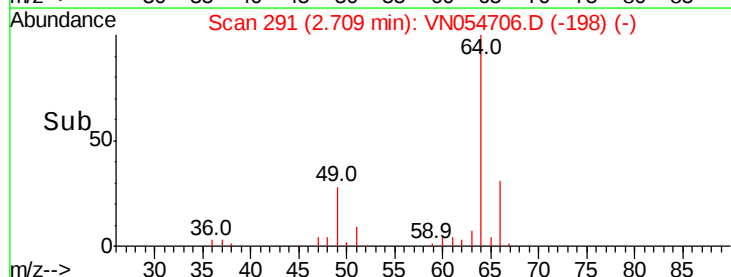
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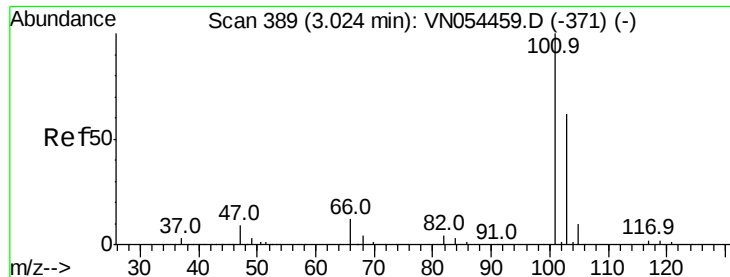
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Time-->

2.60 2.70 2.80





#7

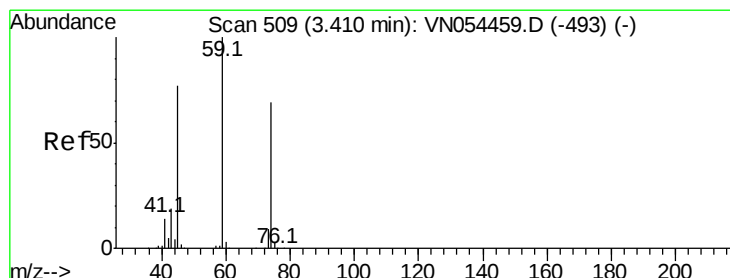
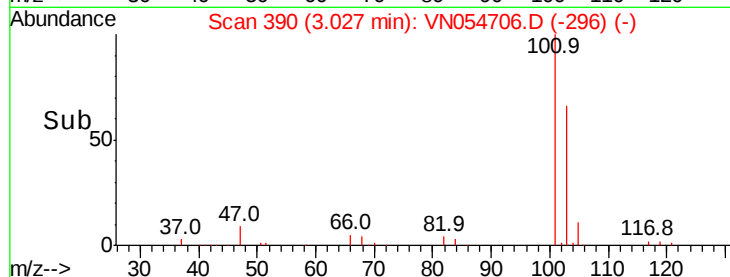
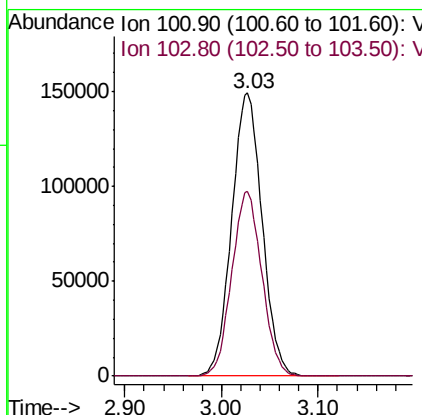
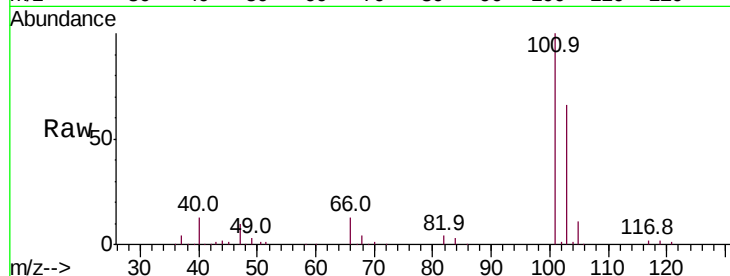
Trichlorofluoromethane
Concen: 50.450 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

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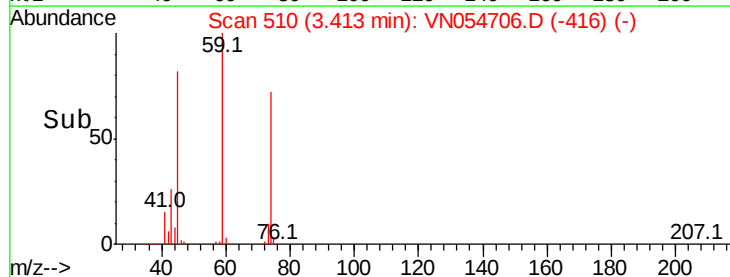
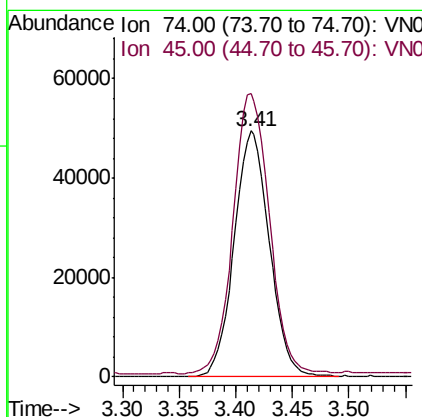
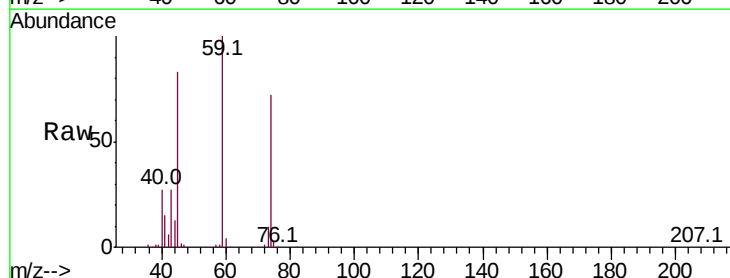
MMDadoda
3/27/2019 9:10:25 AM

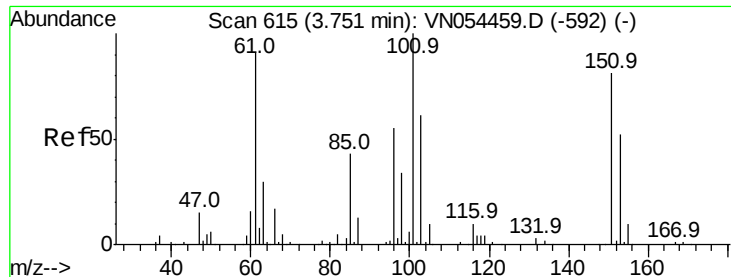


#8

Diethyl Ether
Concen: 43.350 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.3	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.170 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

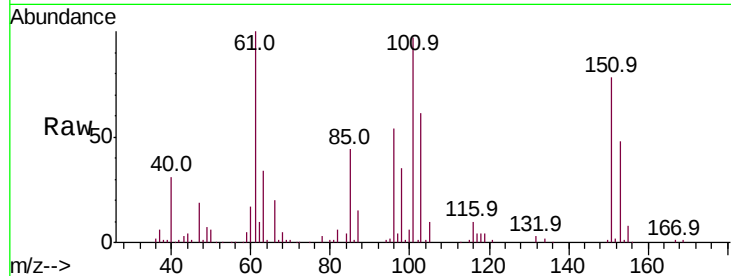
ClientSampleId :

VSTDCCC050EC

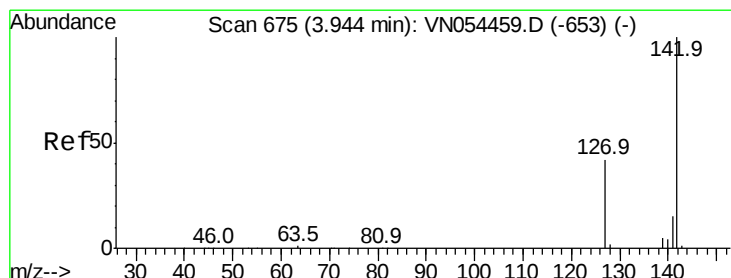
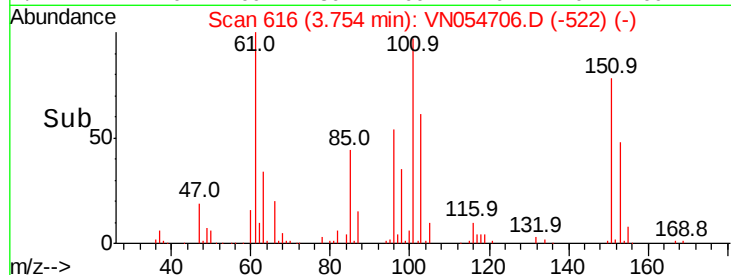
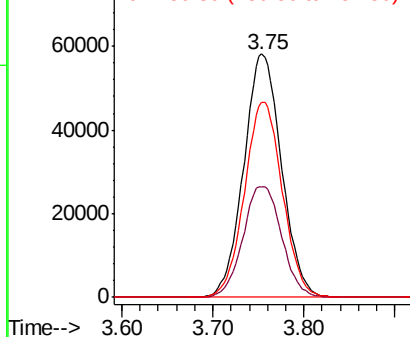
Tot Ion:	101	Resp:	167553
Ion Ratio	Lower	Upper	
101	100		
85	46.6	32.4	48.6
151	80.4	68.2	102.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.185 ug/l

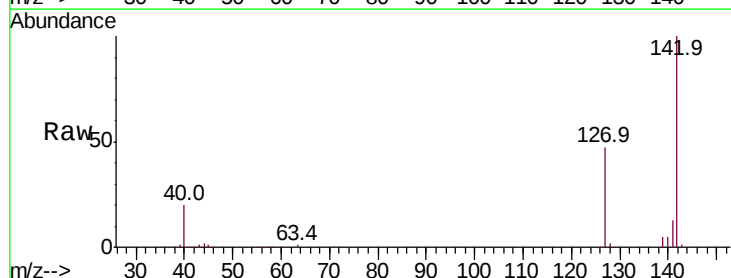
RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

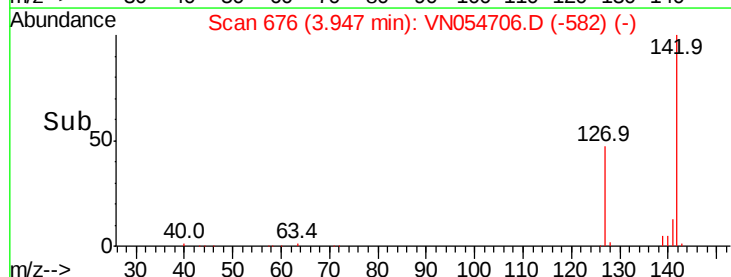
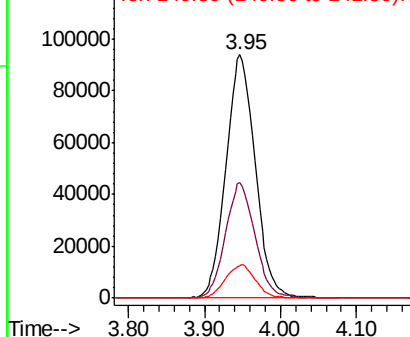
Lab File: VN054706.D

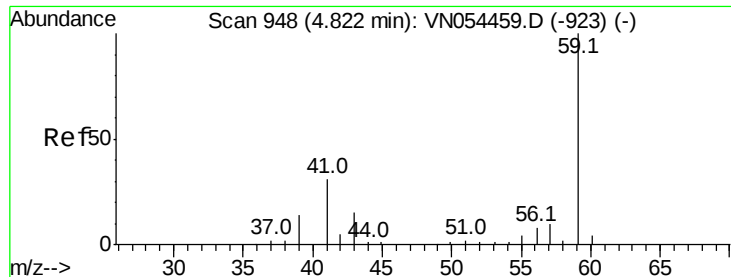
Acq: 26 Mar 2019 19:33

Tgt Ion:	142	Resp:	252135
Ion Ratio	Lower	Upper	
142	100		
127	47.6	30.3	45.5#
141	14.0	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

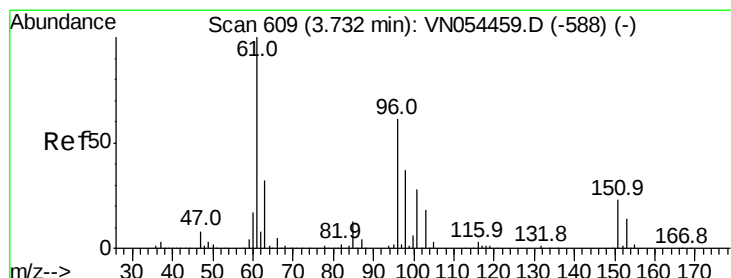
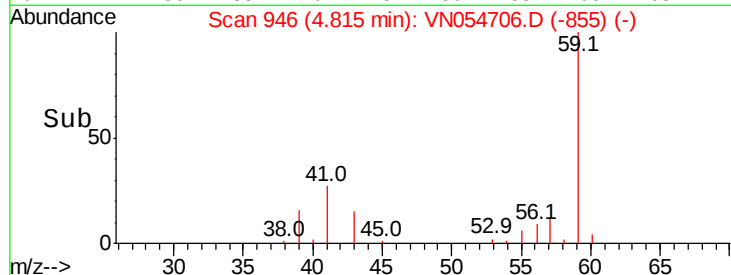
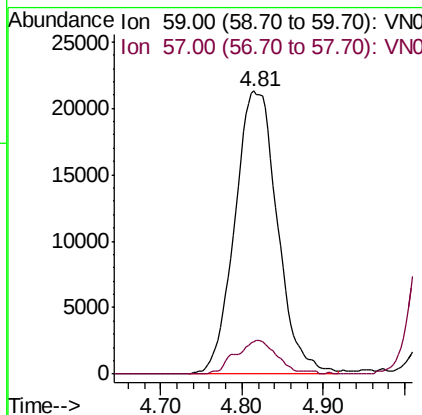
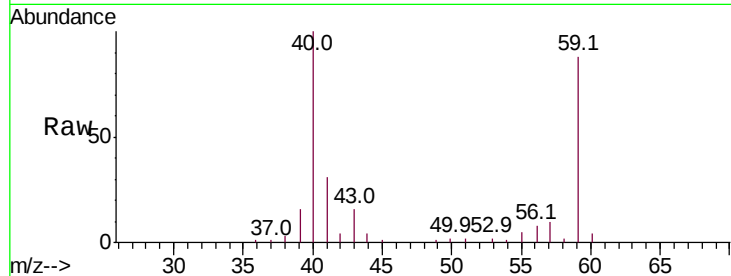
Tert butyl alcohol
 Concen: 251.644 ug/l
 RT: 4.81 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: VN054706.D
 Acq: 26 Mar 2019 19:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	9.0	13.6

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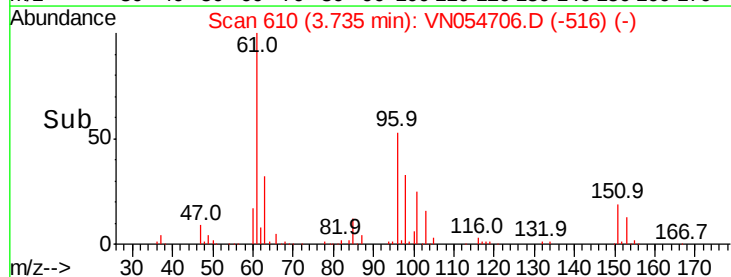
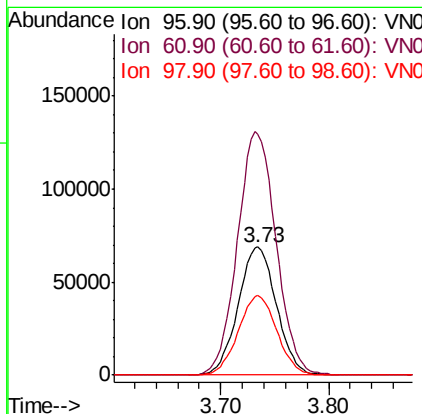
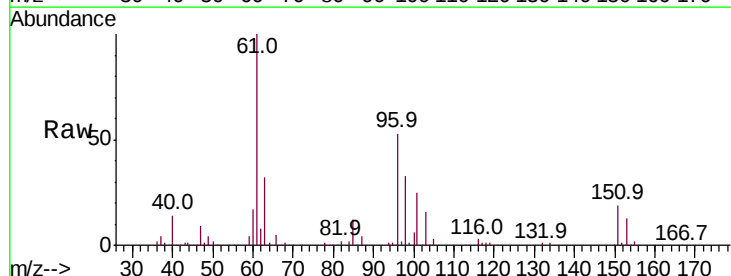
MMDadoda
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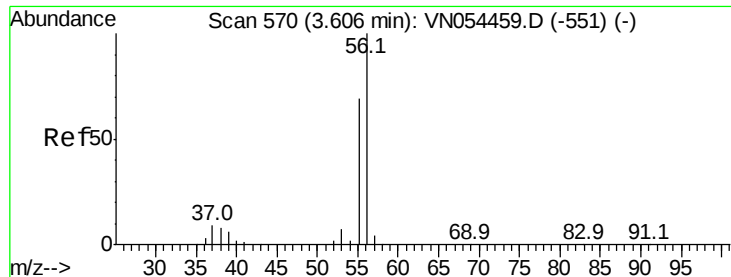


#12

1,1-Dichloroethene
 Concen: 43.304 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN054706.D
 Acq: 26 Mar 2019 19:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.1	116.5	174.7#
98	61.9	51.0	76.4





#13

Acrolein

Concen: 211.241 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 89347

Ion Ratio Lower Upper

56 100

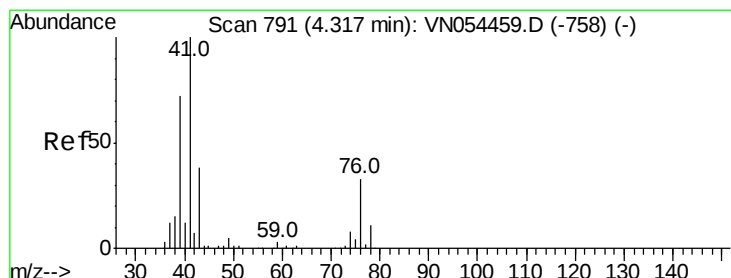
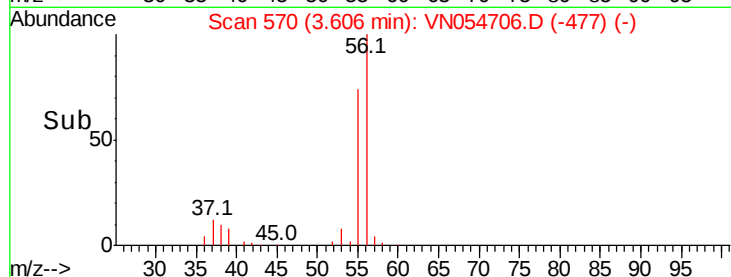
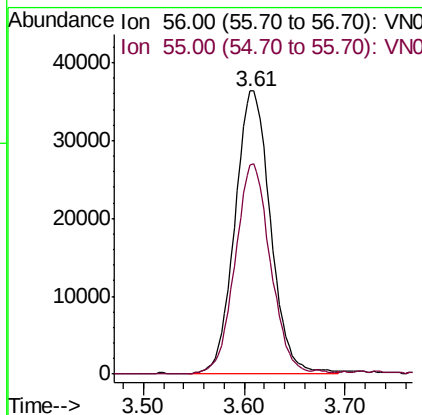
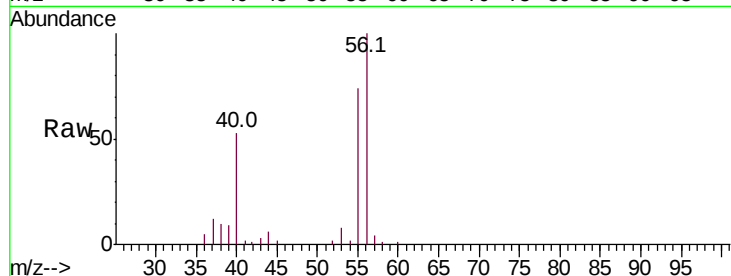
55 73.4 56.7 85.1

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#14

Allyl chloride

Concen: 55.251 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

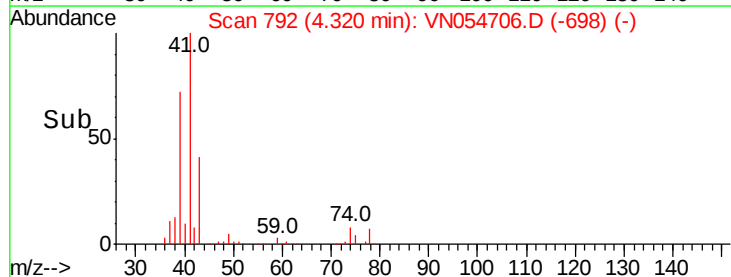
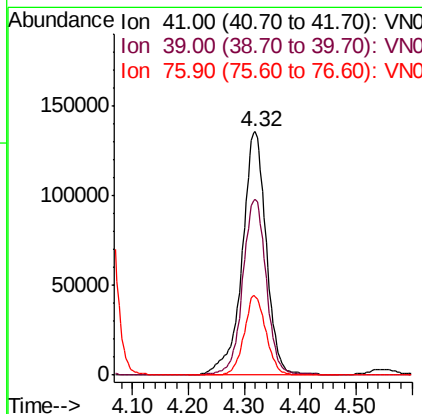
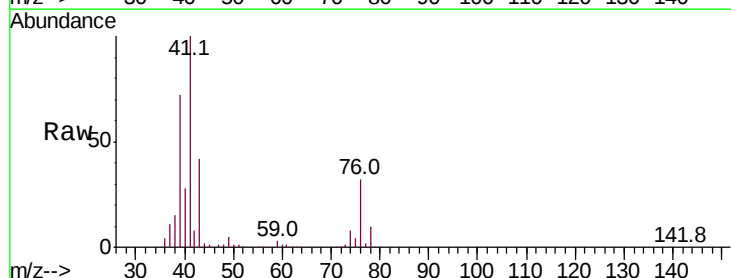
Tgt Ion: 41 Resp: 408434

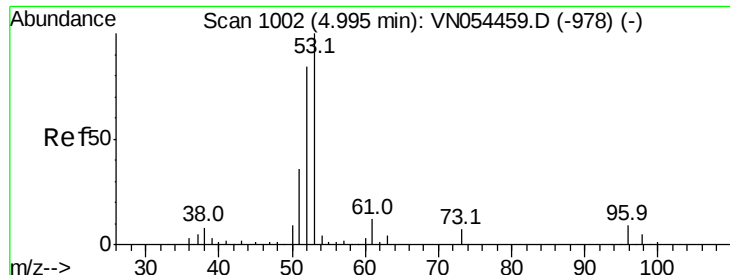
Ion Ratio Lower Upper

41 100

39 69.5 58.2 87.4

76 29.0 31.7 47.5#





#15

Acrylonitrile

Concen: 278.905 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

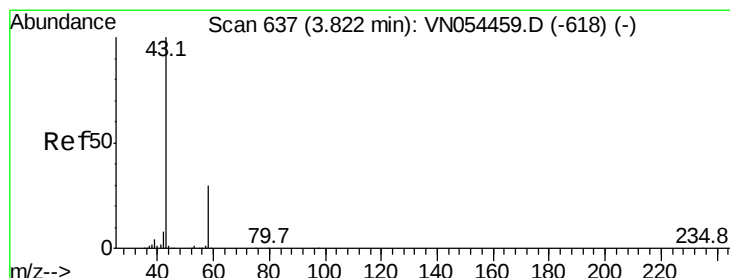
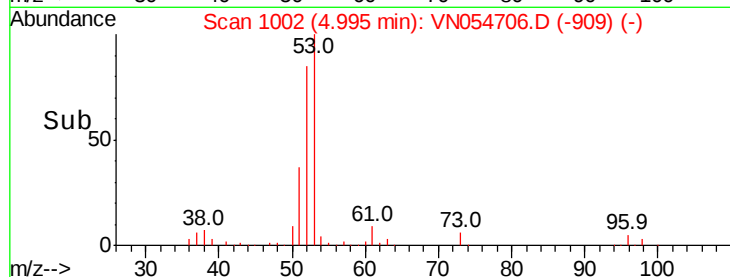
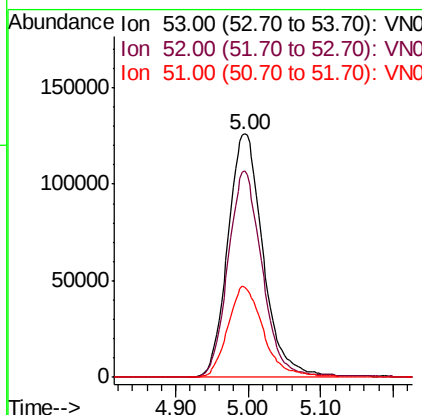
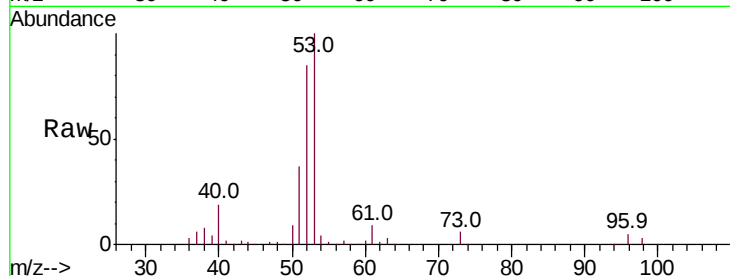
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	425694
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.4	99.6
51	37.8	29.6	44.4

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#16

Acetone

Concen: 217.056 ug/l

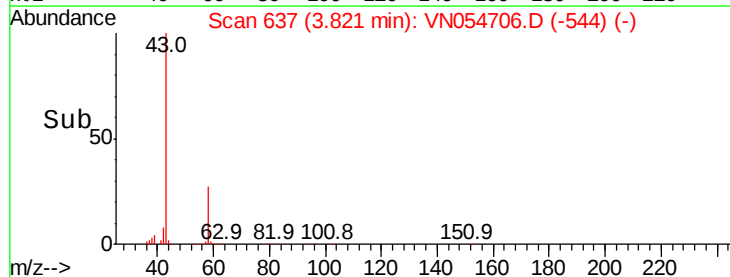
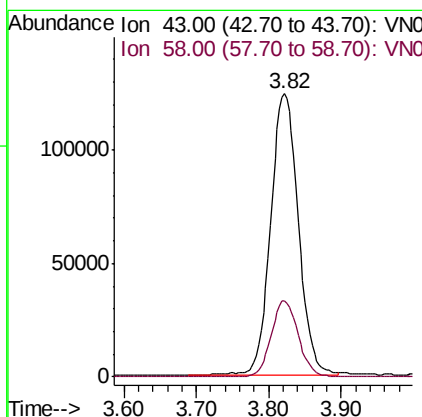
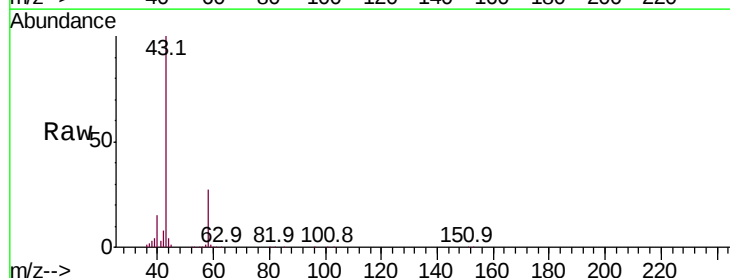
RT: 3.82 min Scan# 637

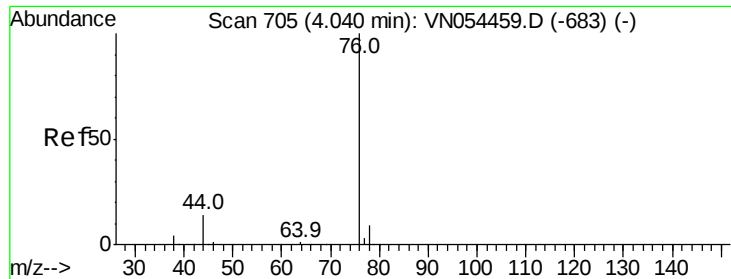
Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Tgt Ion:	43	Resp:	330366
Ion	Ratio	Lower	Upper
43	100		
58	27.0	29.9	44.9#





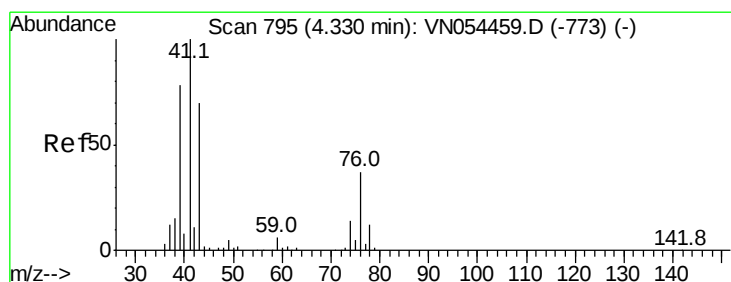
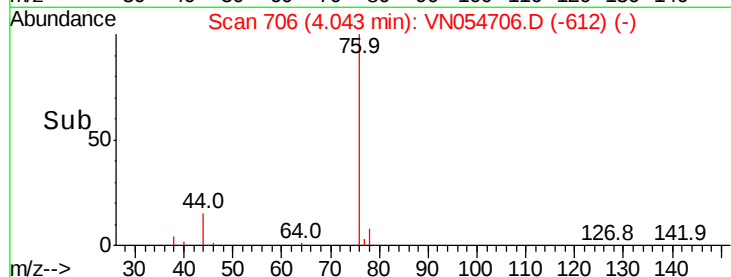
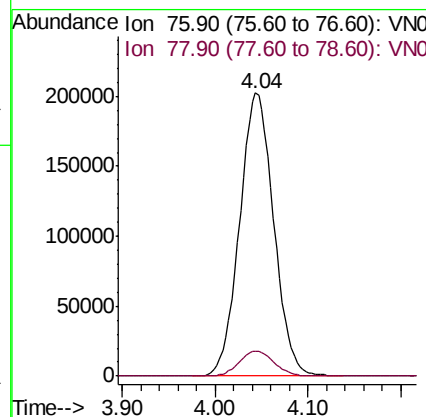
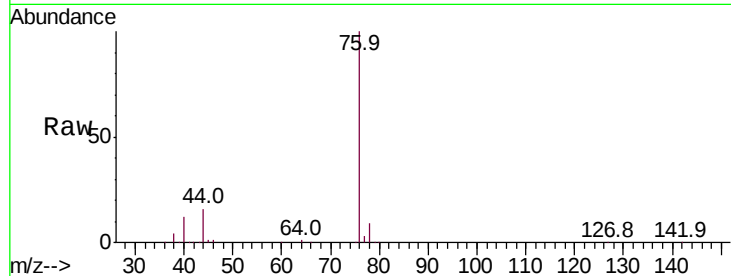
#17
Carbon Disulfide
Concen: 48.935 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 514722
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3

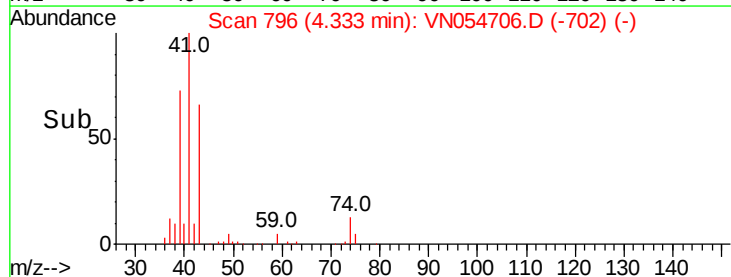
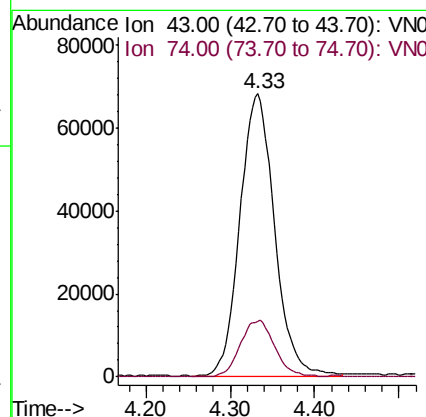
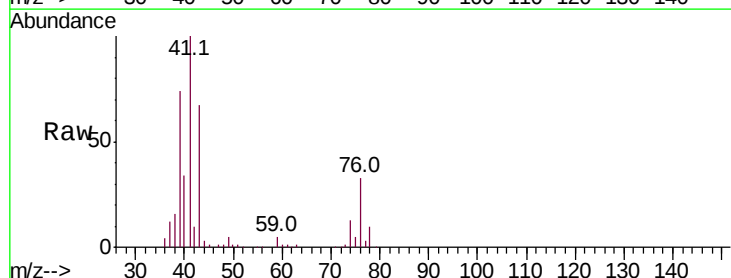
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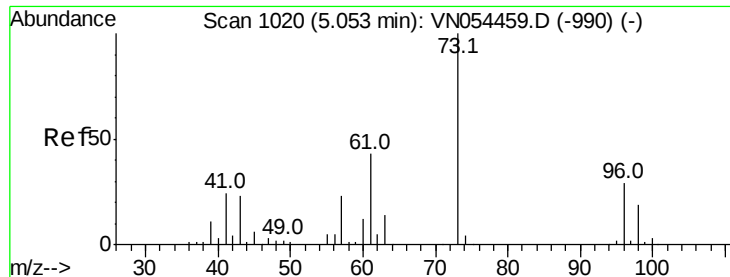
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#18
Methyl Acetate
Concen: 57.115 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Tgt Ion: 43 Resp: 193760
Ion Ratio Lower Upper
43 100
74 20.0 20.8 31.2#





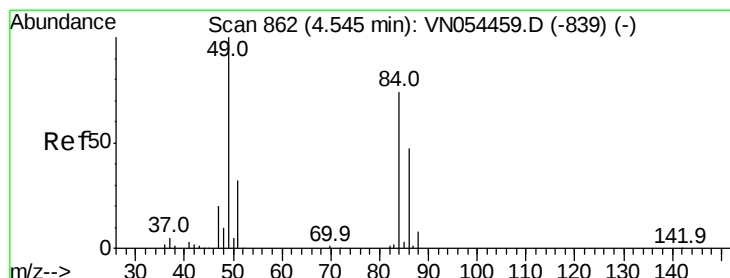
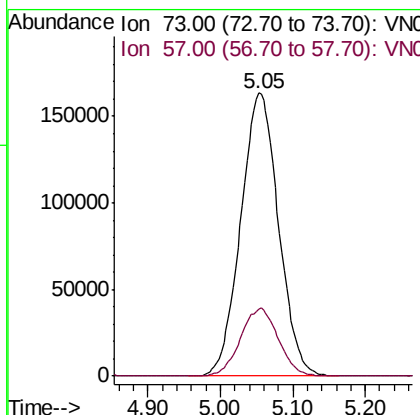
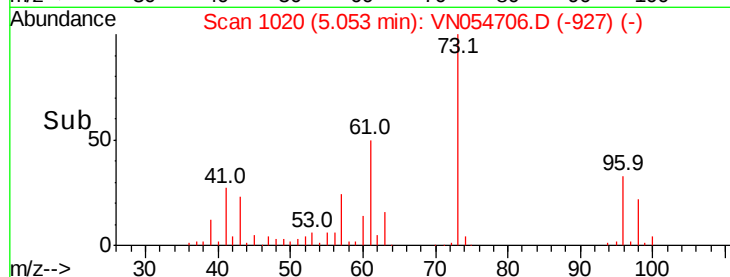
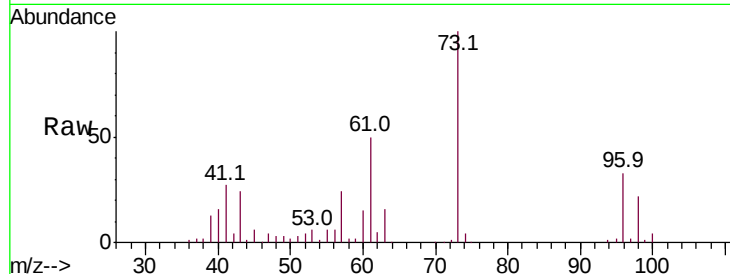
#19
Methvl tert-butvl Ether
Concen: 51.698 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	16.8	25.2

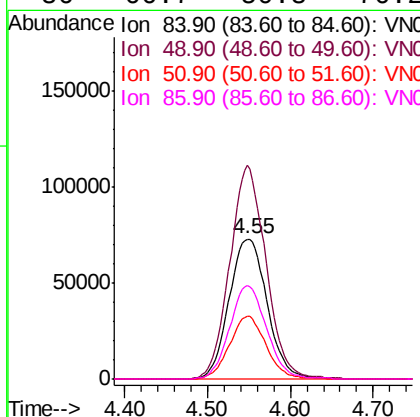
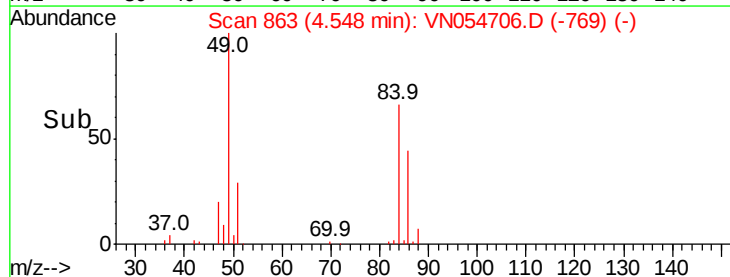
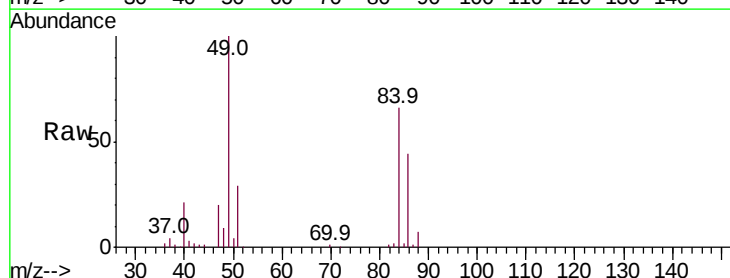
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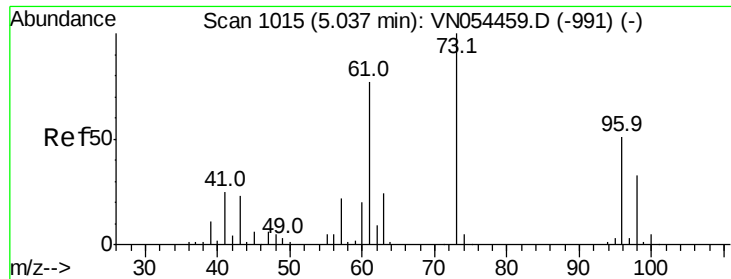
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#20
Methylene Chloride
Concen: 51.896 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.4	89.7	134.5#
51	44.8	28.2	42.4#
86	66.7	50.8	76.2





#21

trans-1,2-Dichloroethene

Concen: 54.270 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 217545

Ion Ratio Lower Upper

96 100

61 156.4 102.8 154.2#

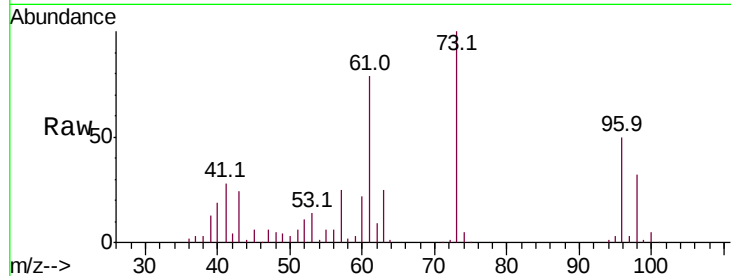
98 63.3 50.0 75.0

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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

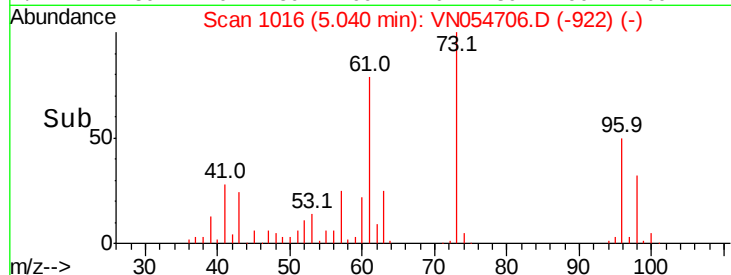
150000

100000

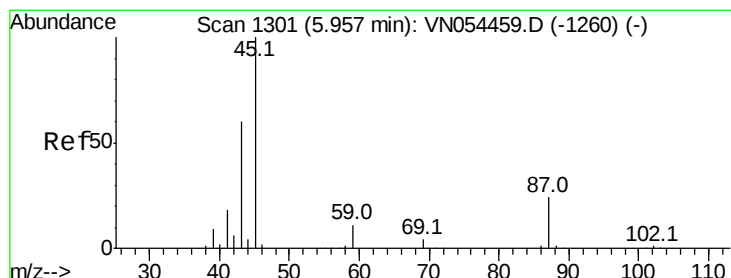
50000

0

Time-->



Time-->



#22

Diisopropyl ether

Concen: 57.494 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Tgt Ion: 45 Resp: 838339

Ion Ratio Lower Upper

45 100

43 57.6 48.2 72.2

87 22.8 24.9 37.3#

59 10.1 9.5 14.3

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

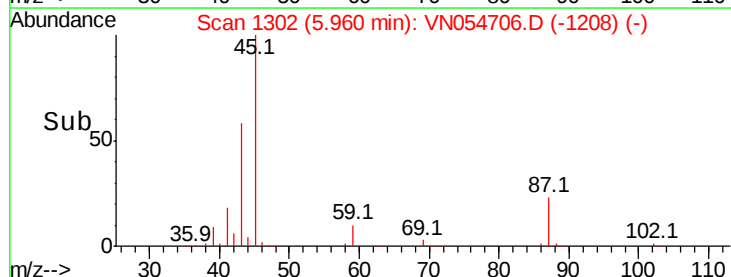
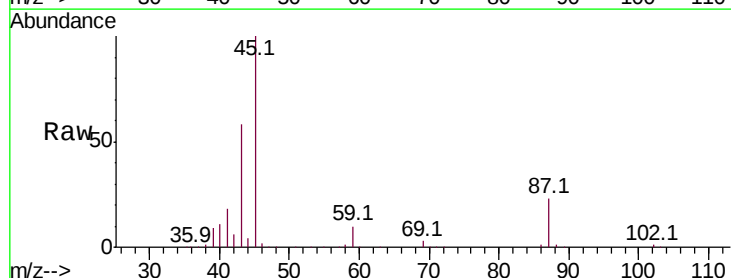
Ion 59.00 (58.70 to 59.70): VNC

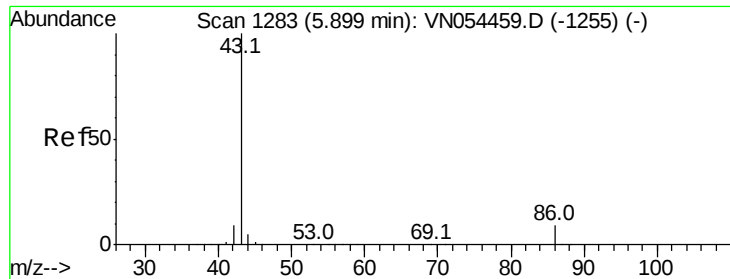
1000000

500000

0

Time-->





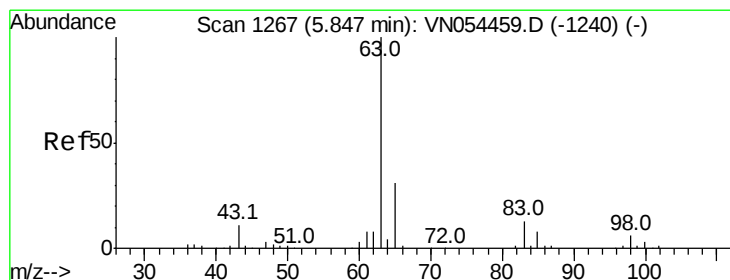
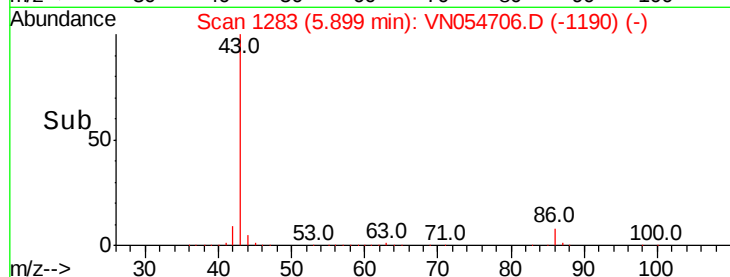
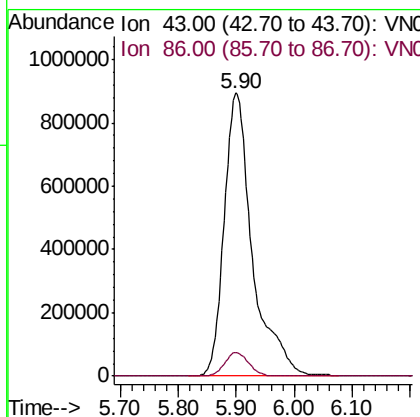
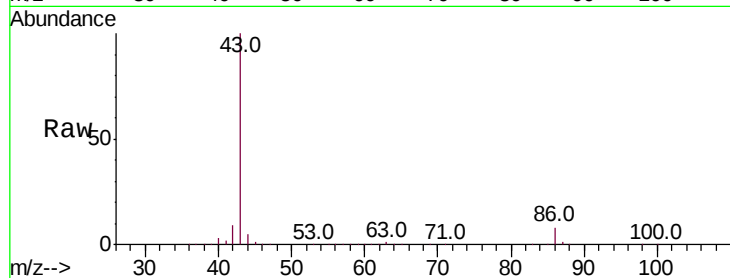
#23
 Vinyl Acetate
 Concen: 293.280 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054706.D
 Acq: 26 Mar 2019 19:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3020261
 Ion Ratio Lower Upper
 43 100
 86 8.3 9.1 13.7#

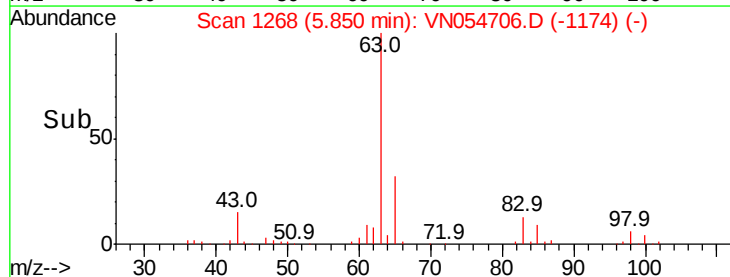
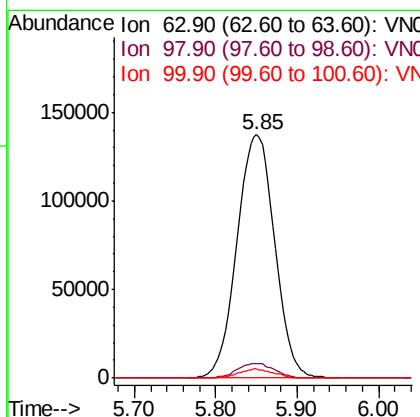
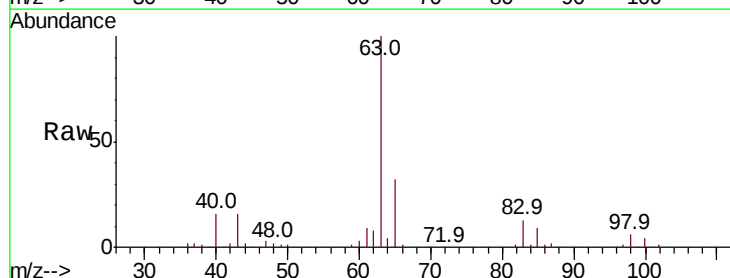
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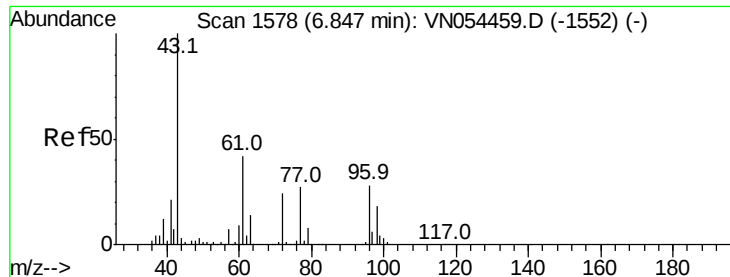
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#24
 1,1-Dichloroethane
 Concen: 55.966 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054706.D
 Acq: 26 Mar 2019 19:33

Tgt Ion: 63 Resp: 439390
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.5 10.5
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 273.049 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 532368

Ion Ratio Lower Upper

43 100

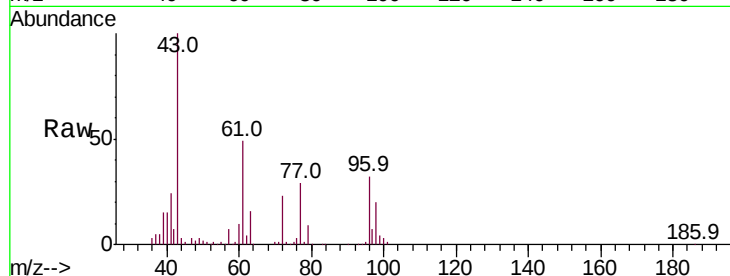
72 23.0 23.0 34.6

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

6.85

200000

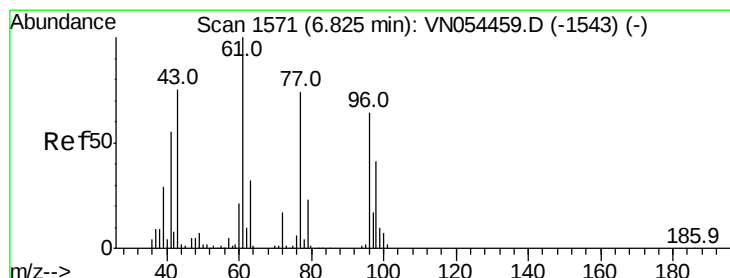
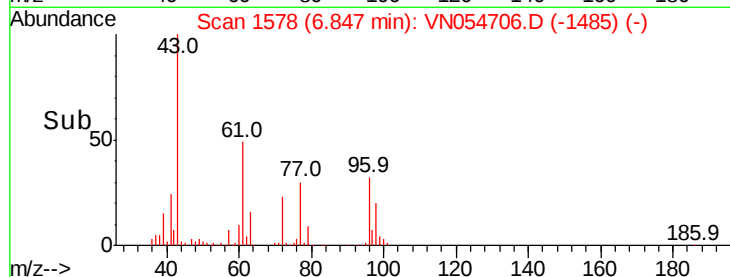
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 53.477 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054706.D

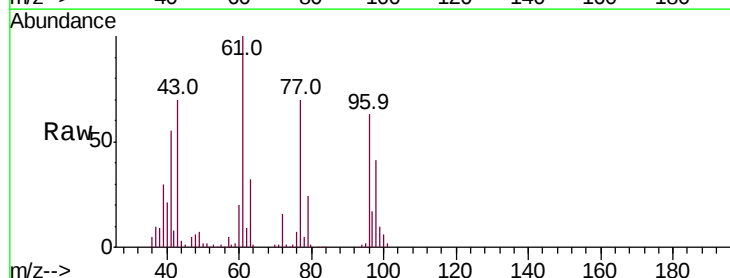
Acq: 26 Mar 2019 19:33

Tgt Ion: 77 Resp: 299288

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VNO

Ion 96.90 (96.60 to 97.60): VNO

6.82

100000

80000

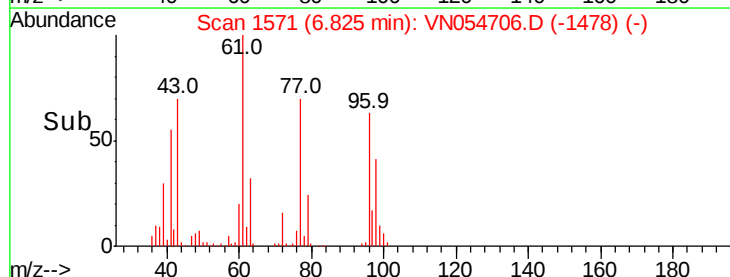
60000

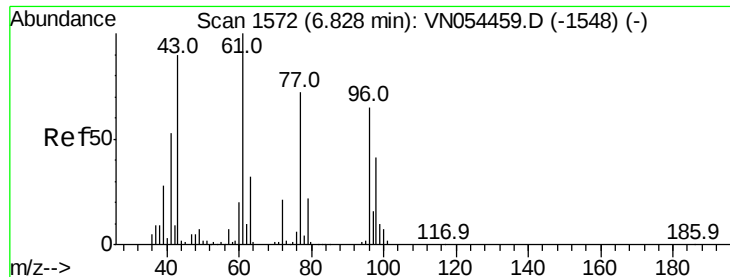
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 52.852 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

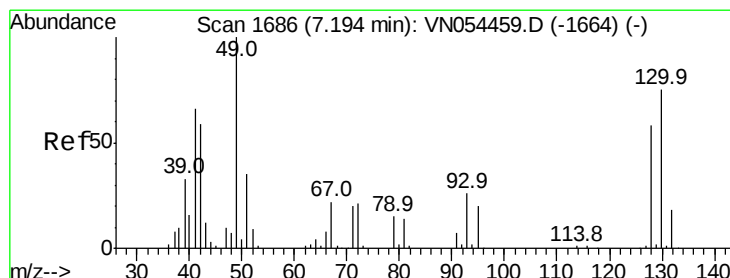
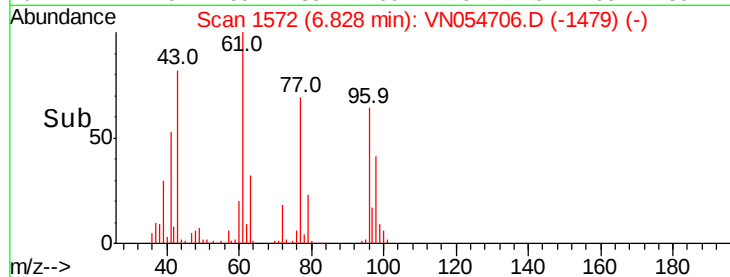
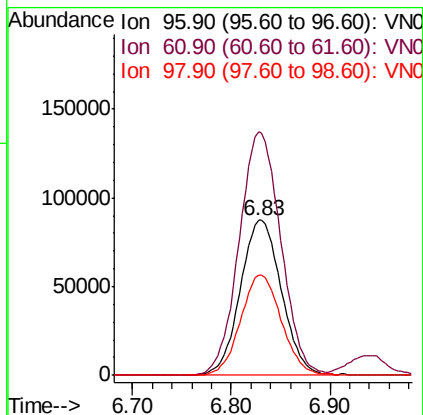
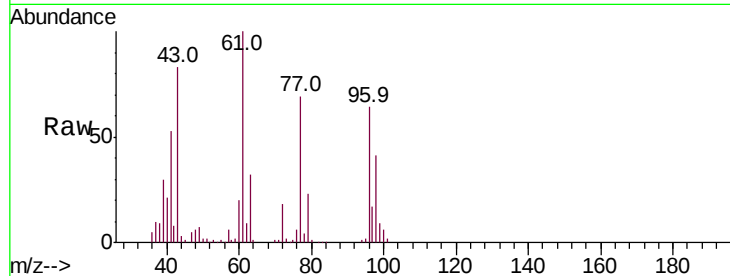
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	252703
Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	273.0
98	64.3	0.0	130.6

Manual Integrations
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MMDadoda
3/27/2019 9:10:25 AM



#28

Bromochloromethane

Concen: 58.222 ug/l

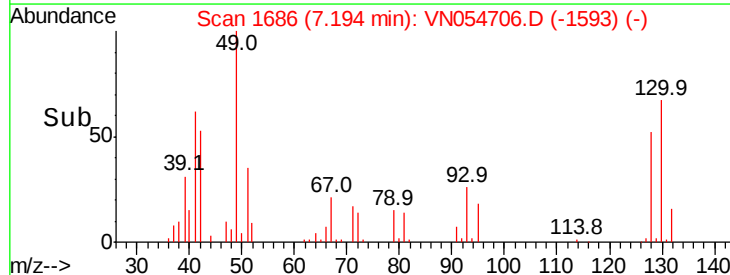
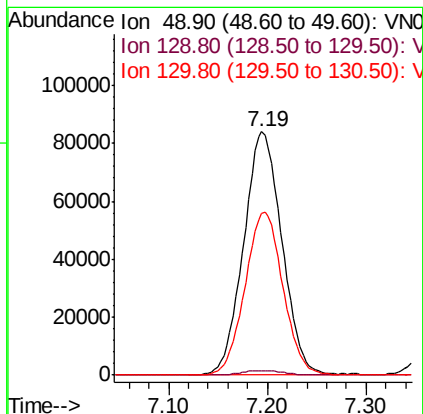
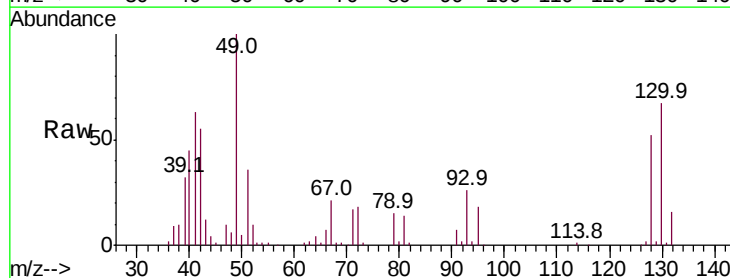
RT: 7.19 min Scan# 1686

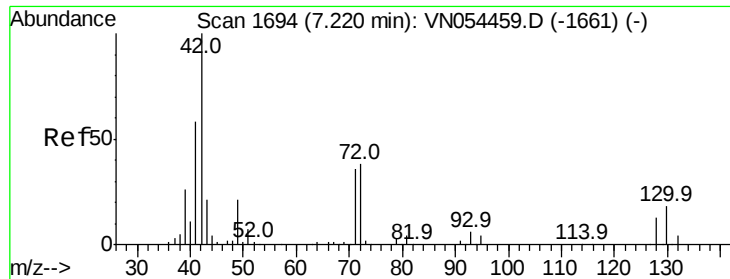
Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Tgt Ion:	49	Resp:	224994
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	66.3	76.7	115.1#





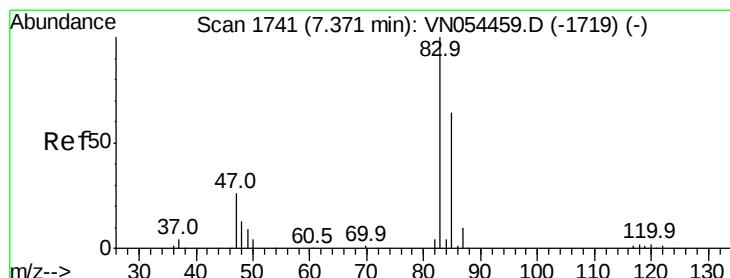
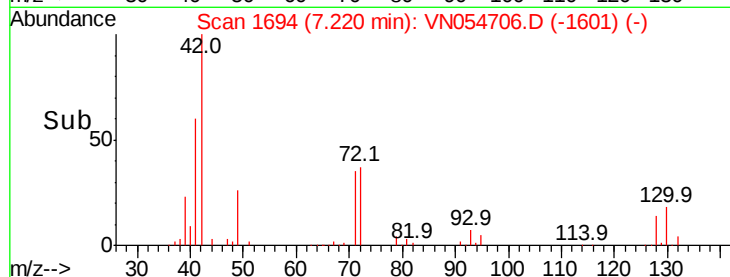
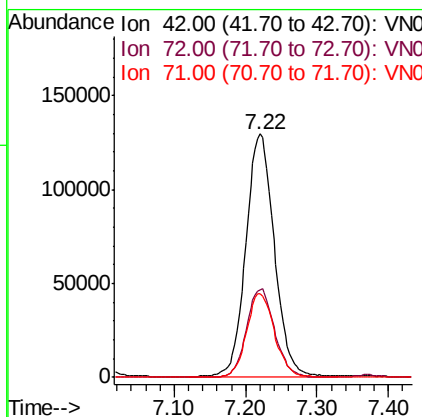
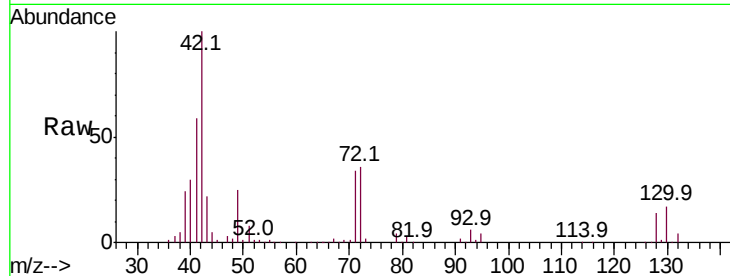
#29
Tetrahydrofuran
Concen: 285.539 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	37.8	56.6#
71	33.7	36.2	54.2#

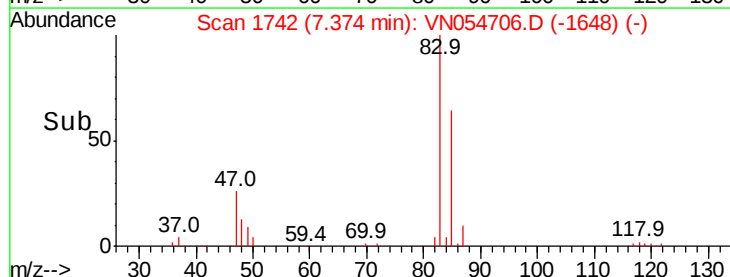
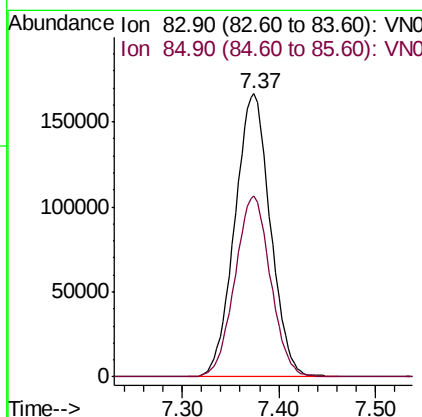
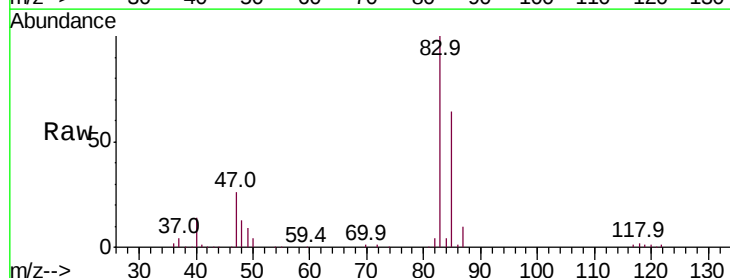
Manual Integrations
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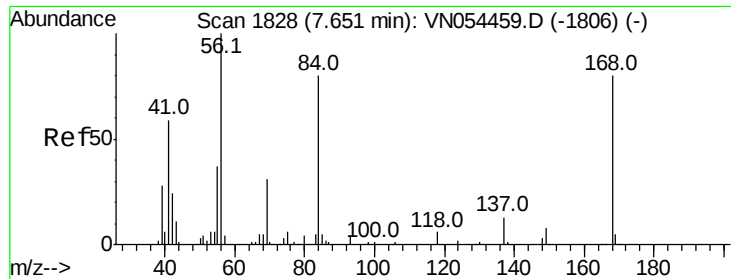
MMDadoda
3/27/2019 9:10:25 AM



#30
Chloroform
Concen: 55.475 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.2	78.4





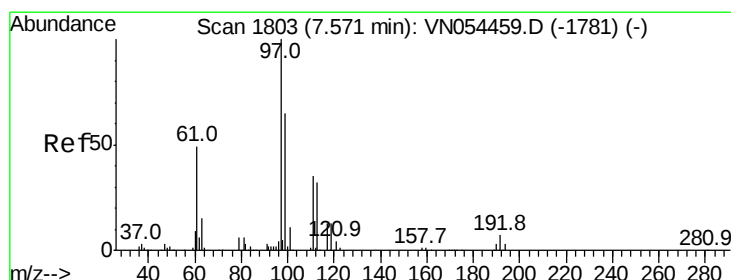
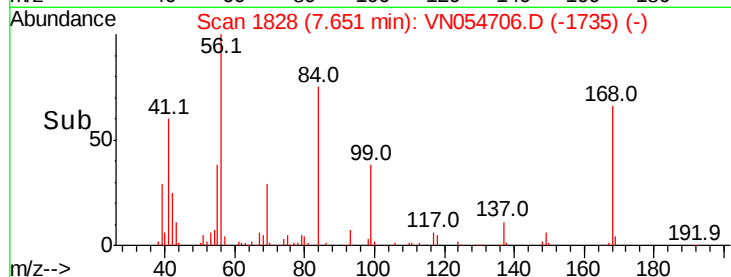
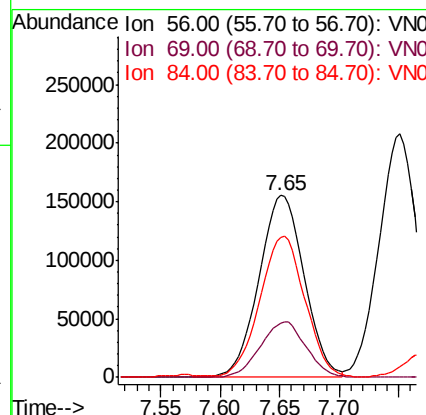
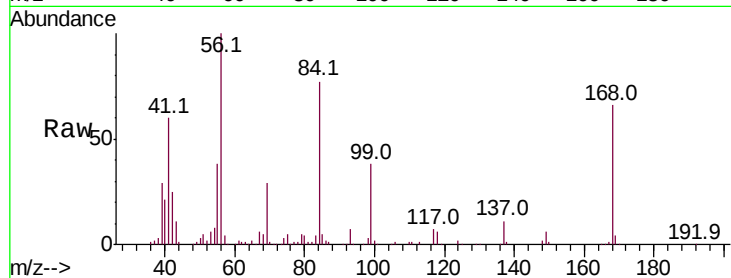
#31
Cyclohexane
Concen: 54.446 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	27.8	41.6
84	75.9	74.6	111.8

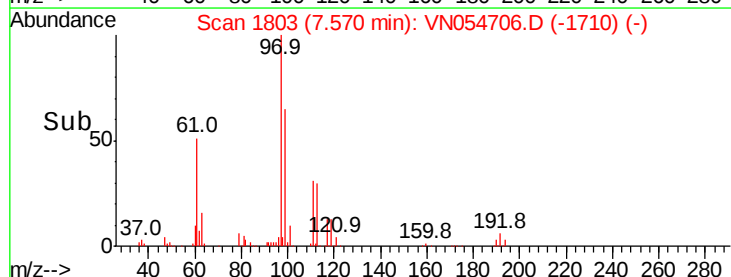
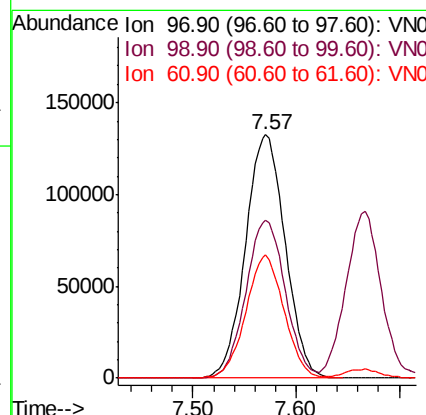
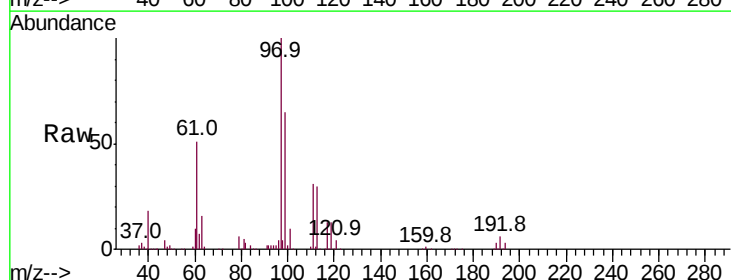
Manual Integrations
APPROVED

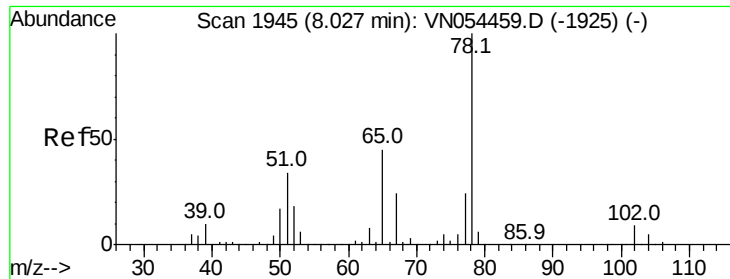
MMDadoda
3/27/2019 9:10:25 AM



#32
1,1,1-Trichloroethane
Concen: 55.958 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.5	77.3
61	48.7	33.6	50.4





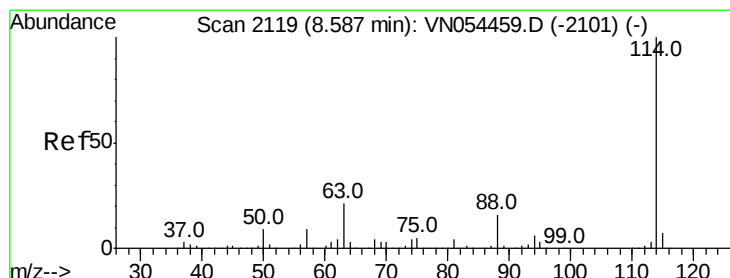
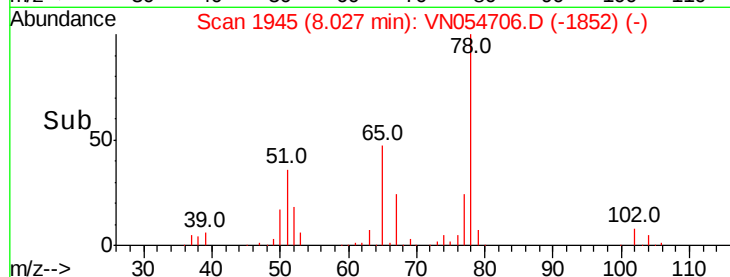
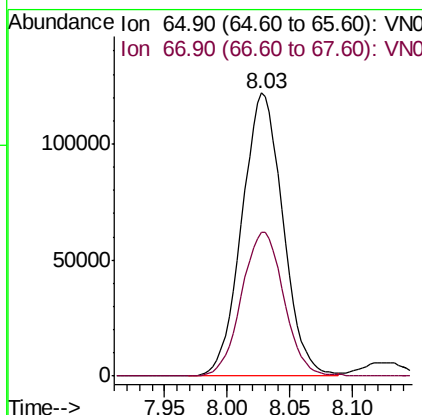
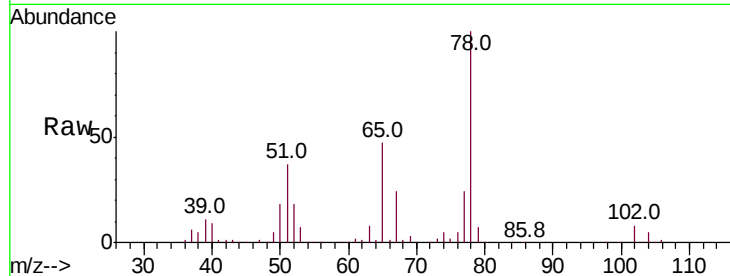
#33
 1,2-Dichloroethane-d4
 Concen: 54.945 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054706.D
 Acq: 26 Mar 2019 19:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	278156		
67	52.3	0.0	104.6	

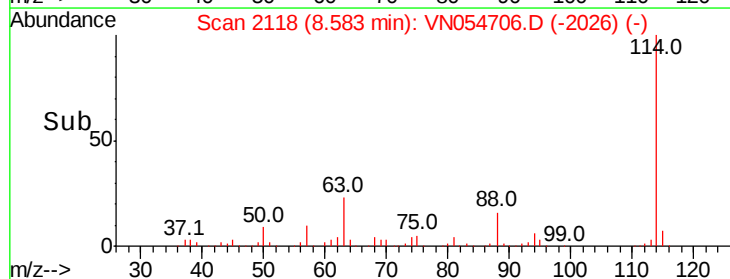
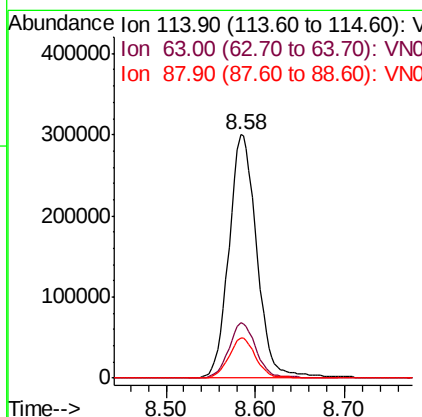
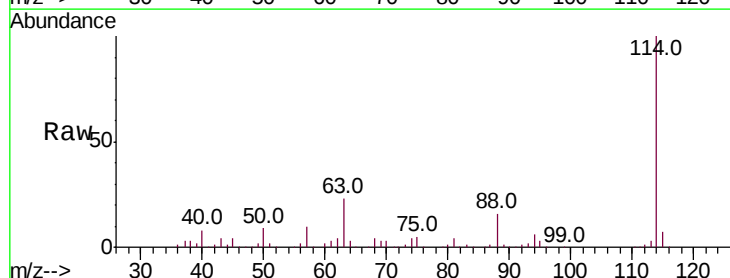
Manual Integrations
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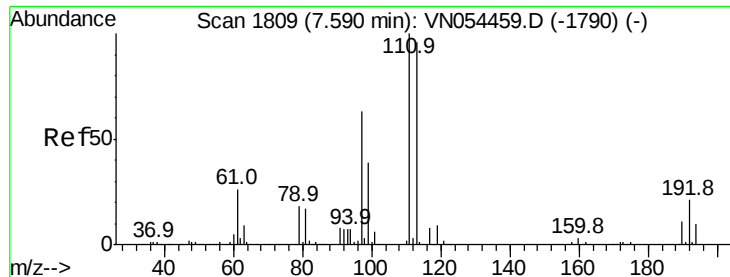
MMDadoda
 3/27/2019 9:10:25 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054706.D
 Acq: 26 Mar 2019 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	648952		
63	22.6	0.0	35.2	
88	16.5	0.0	30.2	





#35

Dibromofluoromethane

Concen: 53.647 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

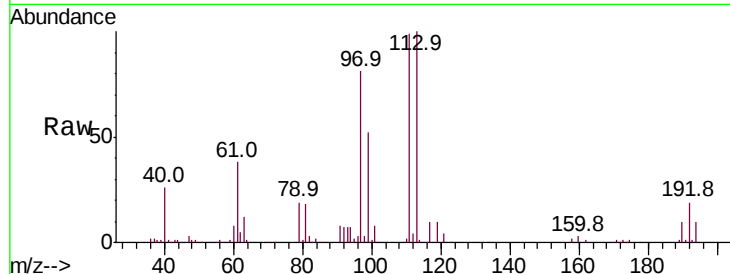
ClientSampleId :

VSTDCCC050EC

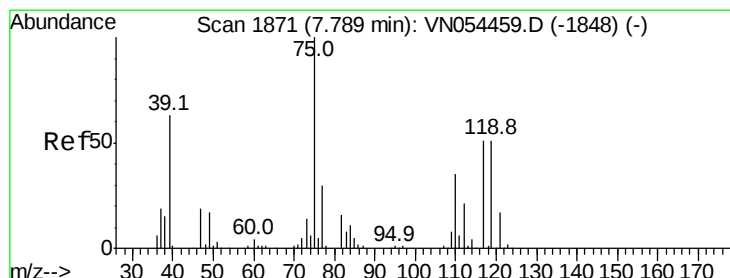
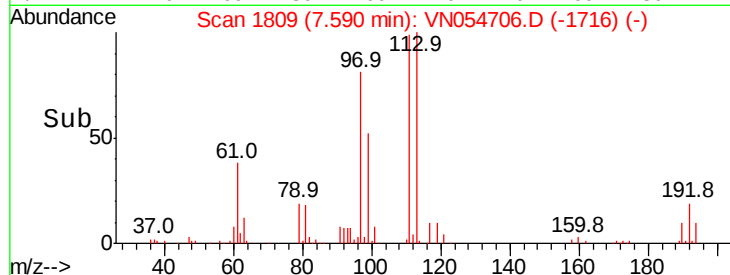
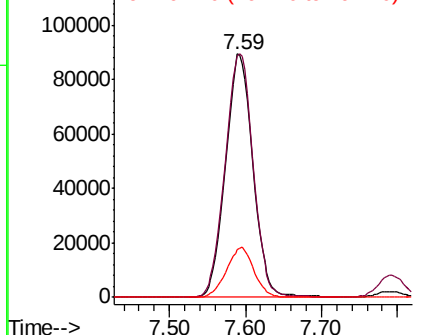
Tot Ion:	113	Resp:	224291
Ion Ratio	Lower	Upper	
113	100		
111	102.1	82.2	123.4
192	20.3	19.2	28.8

Manual Integrations
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3/27/2019 9:10:25 AM



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.523 ug/l

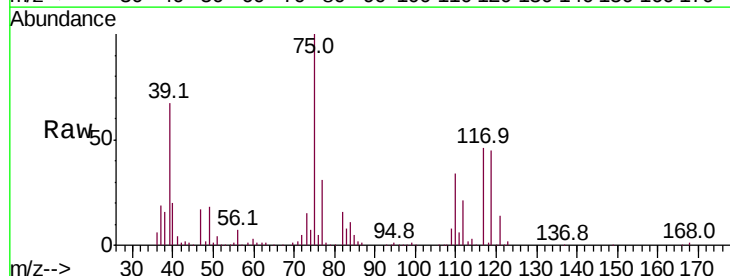
RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

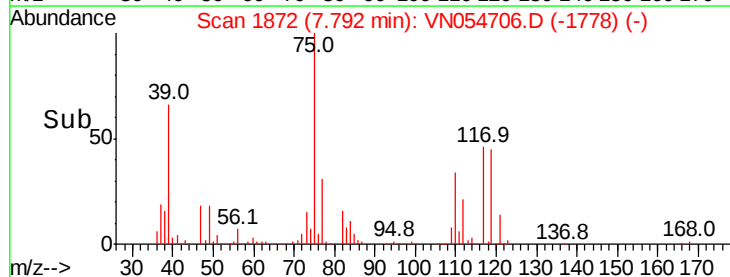
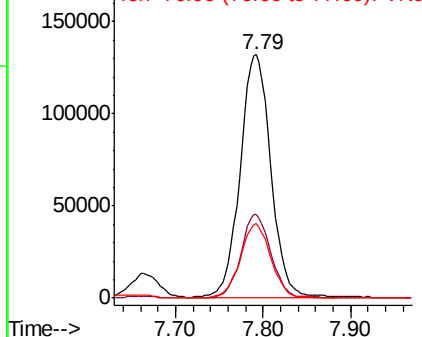
Lab File: VN054706.D

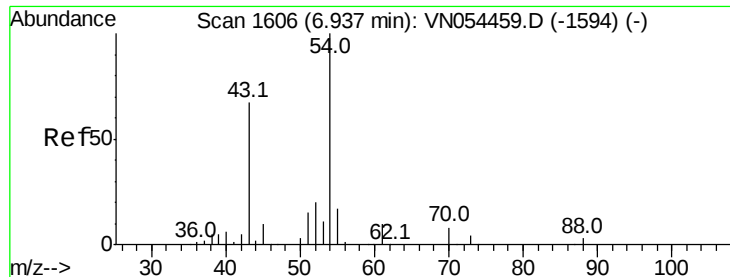
Acq: 26 Mar 2019 19:33

Tgt Ion:	75	Resp:	318695
Ion Ratio	Lower	Upper	
75	100		
110	33.9	19.1	57.5
77	30.9	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





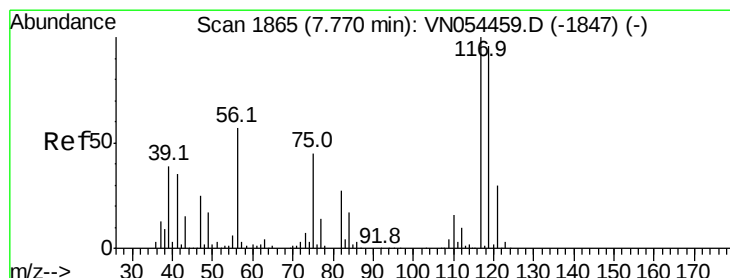
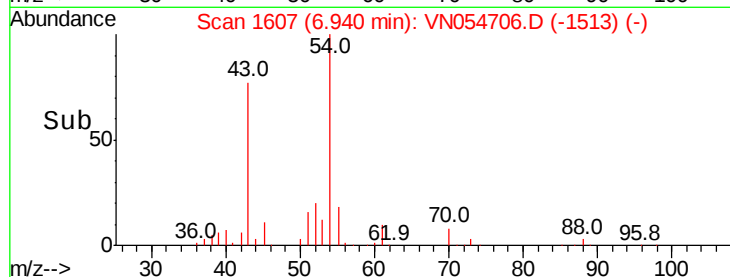
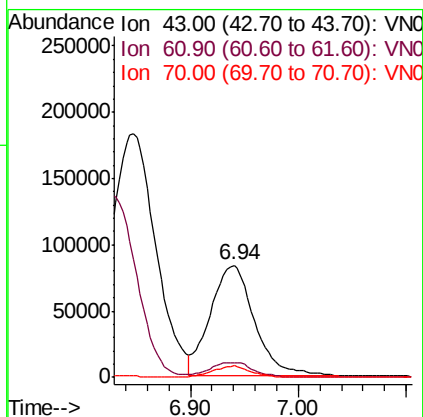
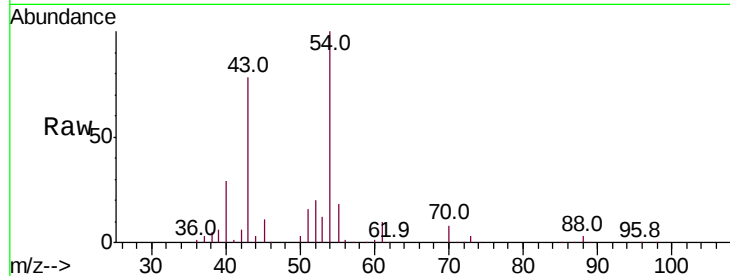
#37
Ethyl Acetate
Concen: 54.881 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.8	17.6
70	8.7	8.4	12.6

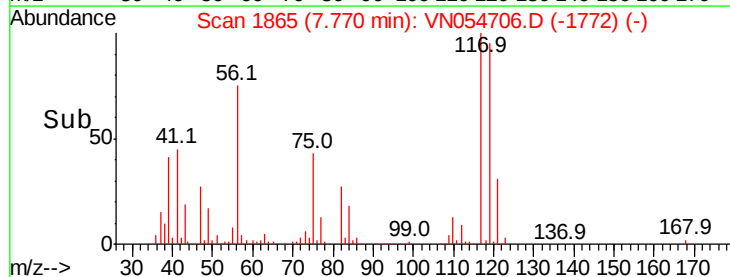
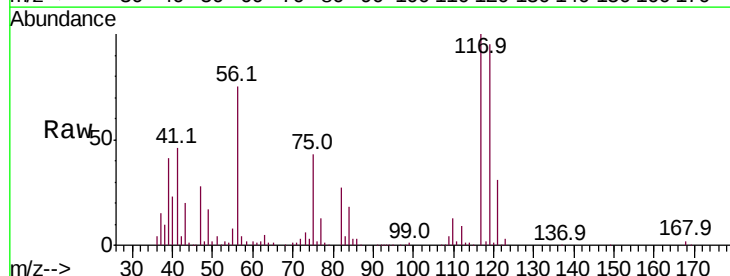
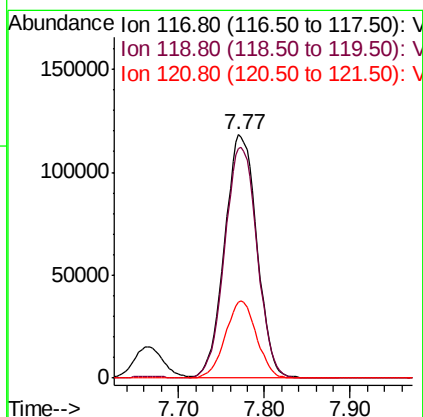
Manual Integrations
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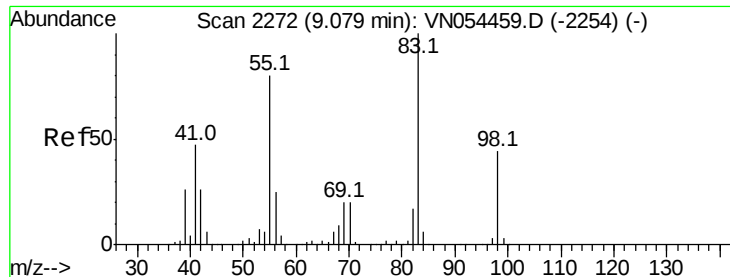
MMDadoda
3/27/2019 9:10:25 AM



#38
Carbon Tetrachloride
Concen: 52.367 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.3	114.5
121	31.1	24.6	36.8





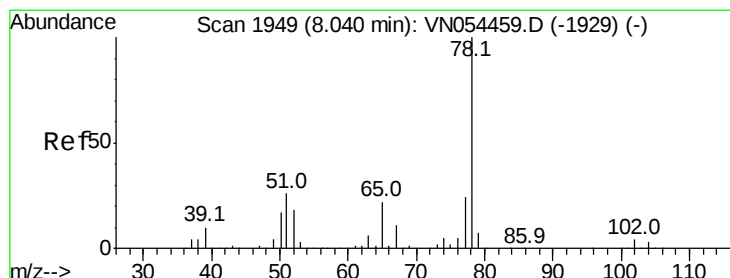
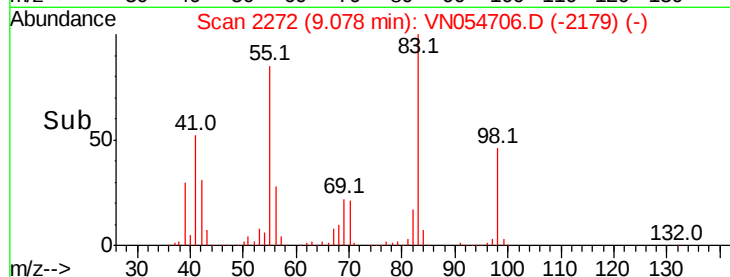
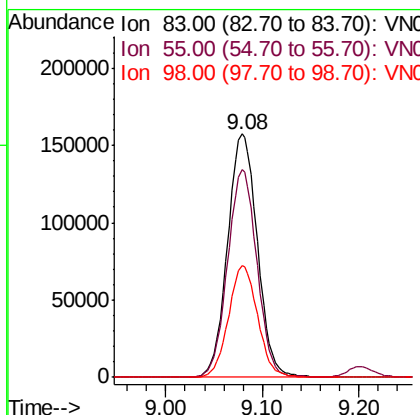
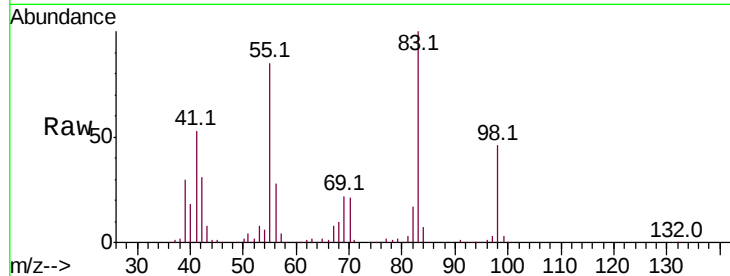
#39
Methvlcvclohexane
Concen: 48.504 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.2	56.6	84.8#
98	45.7	38.4	57.6

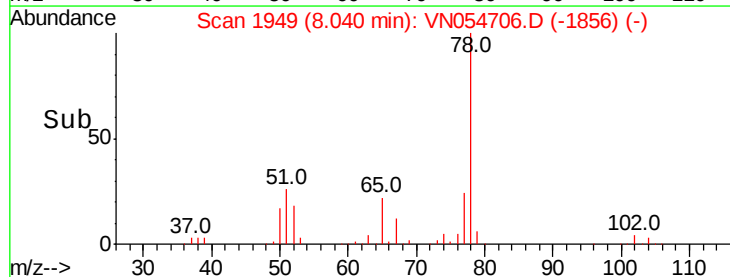
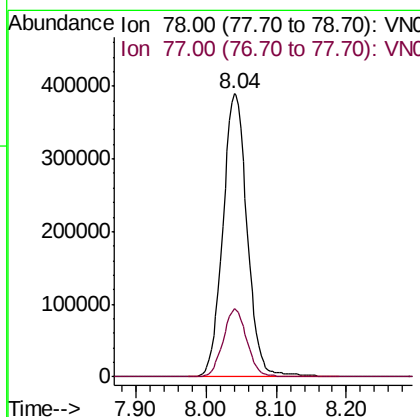
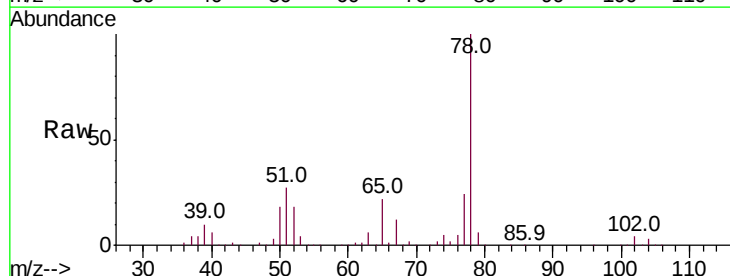
Manual Integrations
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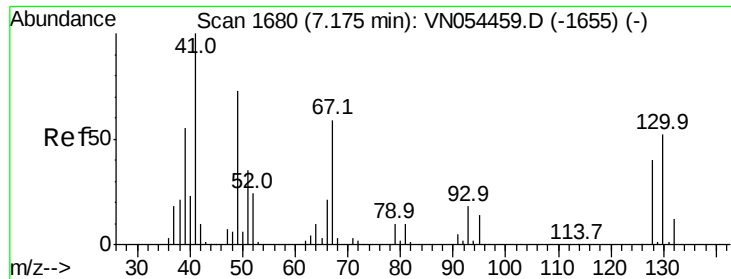
MMDadoda
3/27/2019 9:10:25 AM



#40
Benzene
Concen: 54.284 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





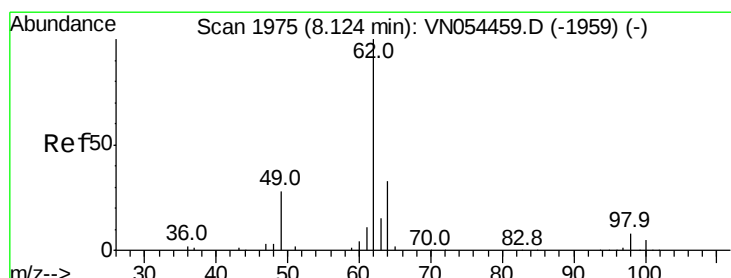
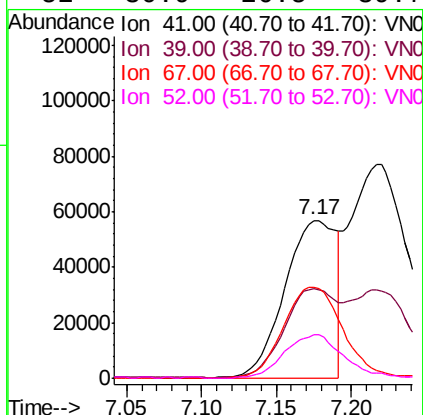
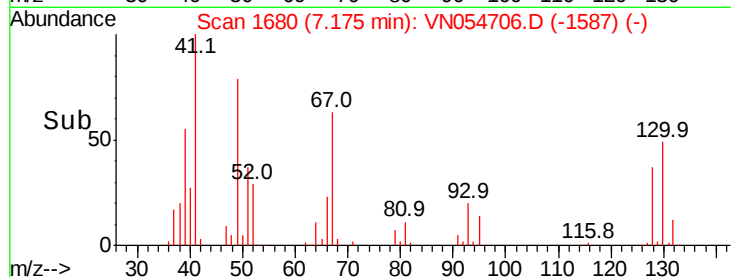
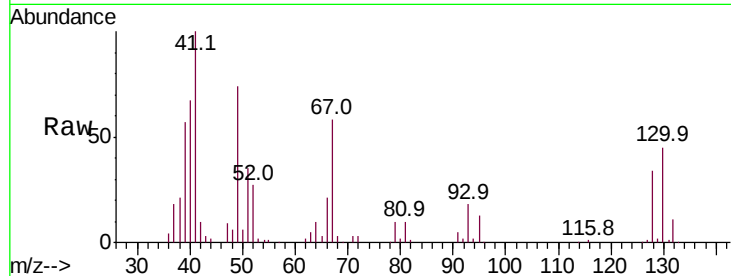
#41
Methacrylonitrile
Concen: 51.476 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	135479
Ion	Ratio	Lower	Upper
41	100		
39	59.7	46.8	70.2
67	67.5	67.0	100.4
52	30.9	26.5	39.7

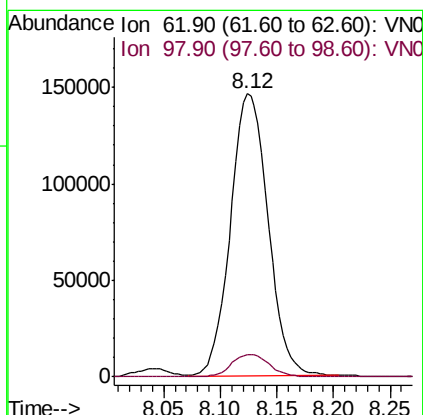
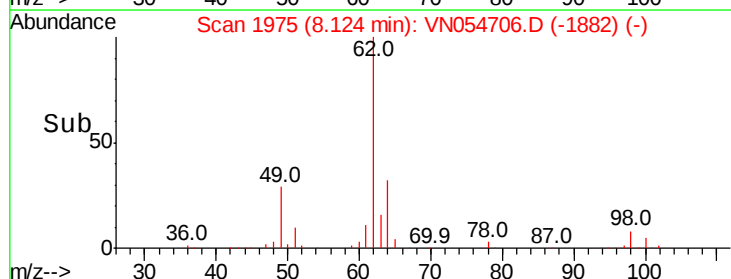
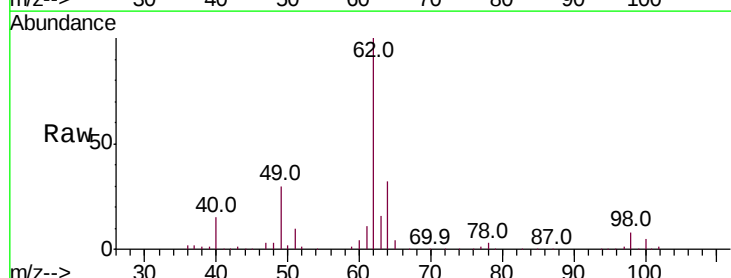
Manual Integrations
APPROVED

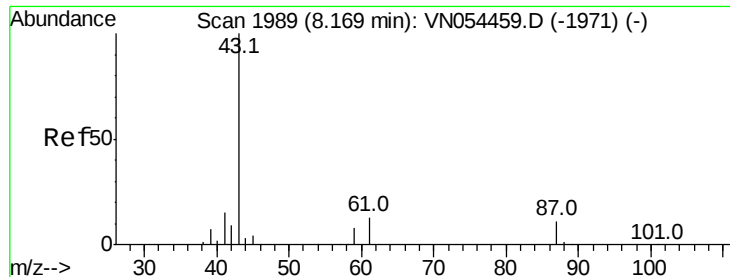
MMDadoda
3/27/2019 9:10:25 AM



#42
1,2-Dichloroethane
Concen: 53.625 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Tgt Ion	62	Resp	338850
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.4





#43

Isopropyl Acetate

Concen: 56.463 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

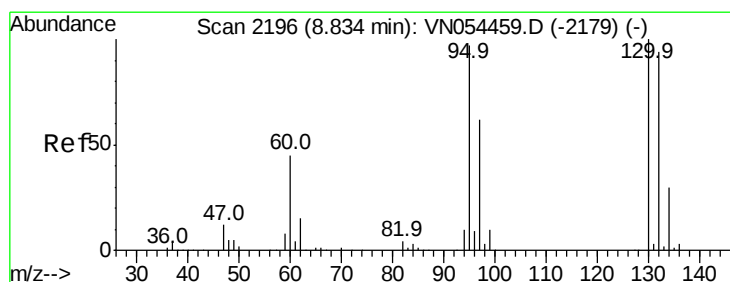
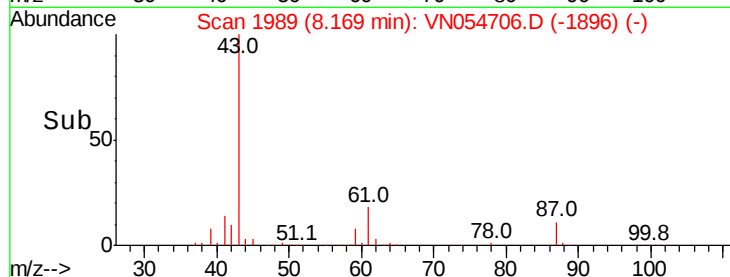
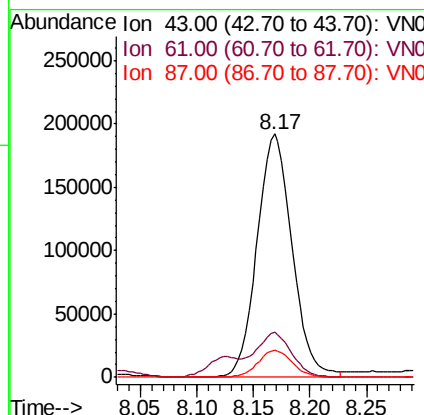
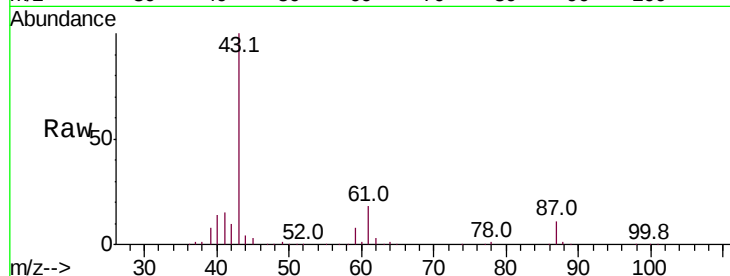
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	411524
Ion	Ratio	Lower	Upper
43	100		
61	17.8	15.8	23.8
87	11.0	12.0	18.0#

Manual Integrations
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MMDadoda
3/27/2019 9:10:25 AM



#44

Trichloroethene

Concen: 50.322 ug/l

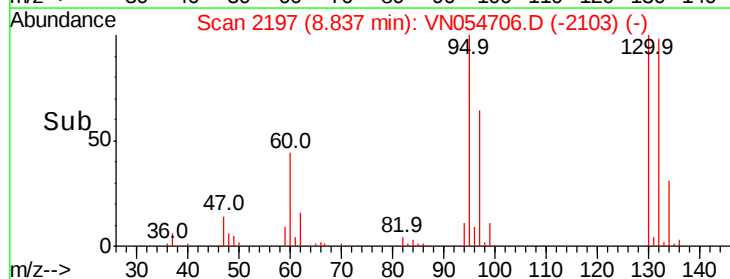
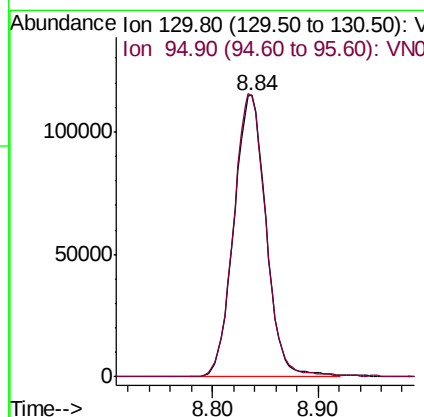
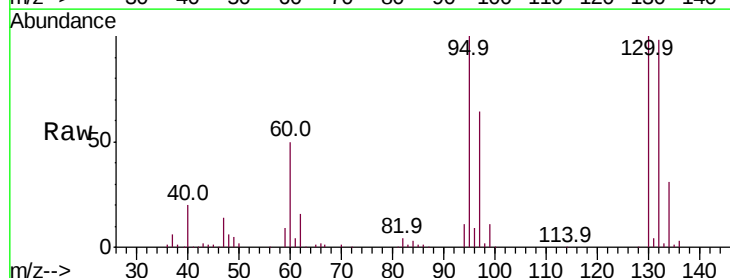
RT: 8.84 min Scan# 2197

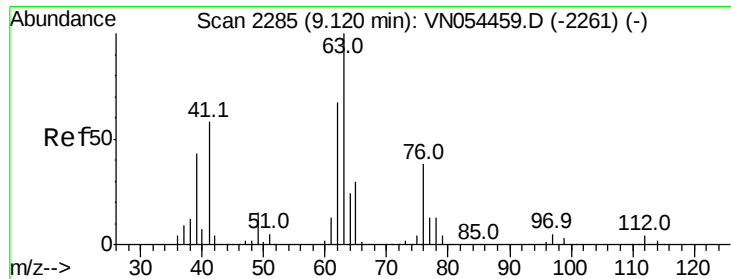
Delta R.T. 0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Tgt Ion:	130	Resp:	242750
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	185.2





#45

1,2-Dichloropropane

Concen: 57.848 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 269519

Ion Ratio Lower Upper

63 100

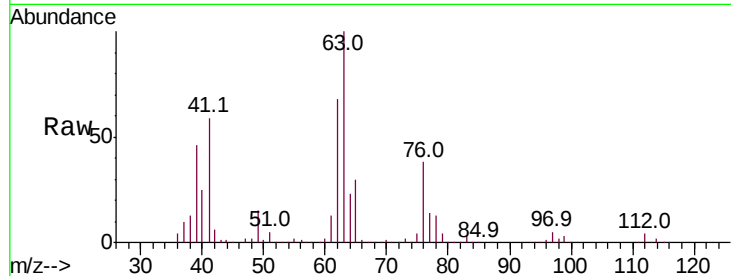
65 29.9 25.0 37.6

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

150000

100000

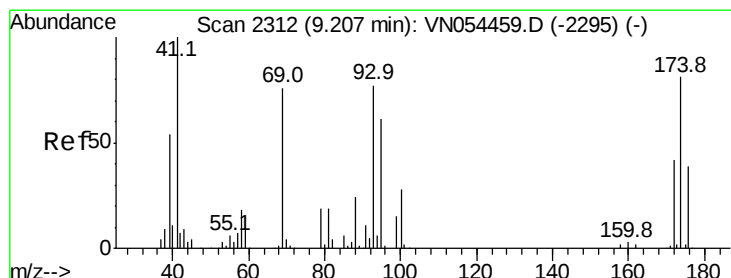
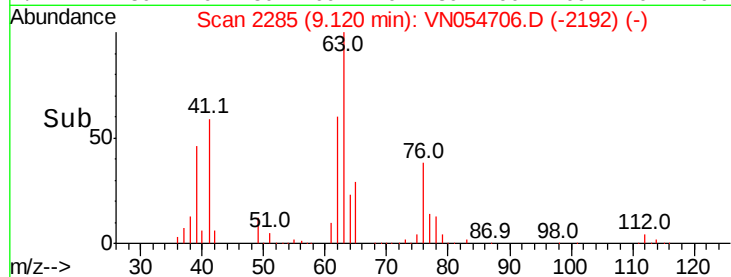
50000

0

9.12

9.10 9.20

Time-->



#46

Dibromomethane

Concen: 53.725 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

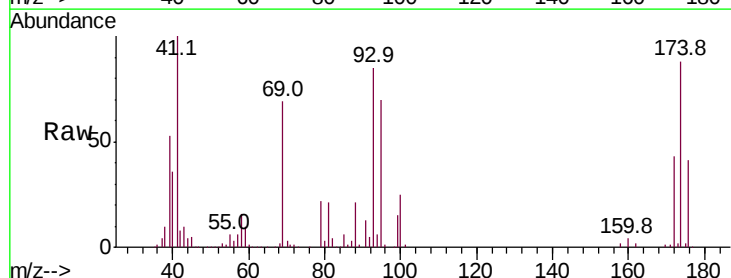
Tgt Ion: 93 Resp: 149331

Ion Ratio Lower Upper

93 100

95 83.8 66.7 100.1

174 104.2 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

40000

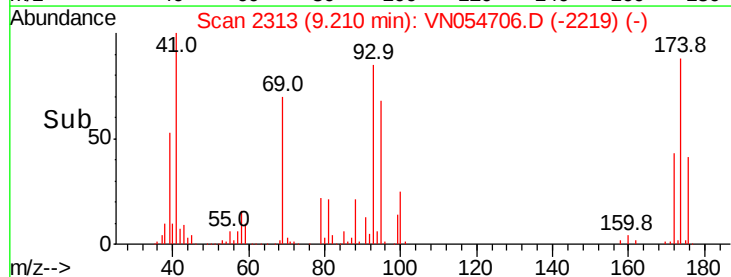
20000

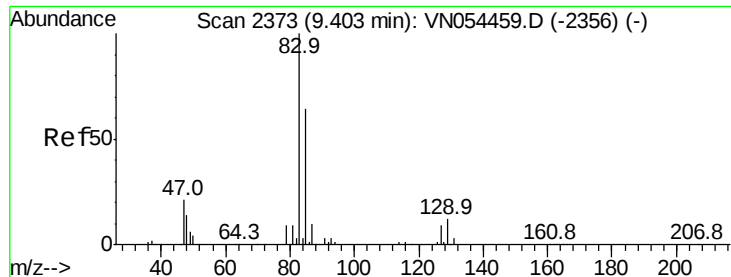
0

9.21

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 56.970 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

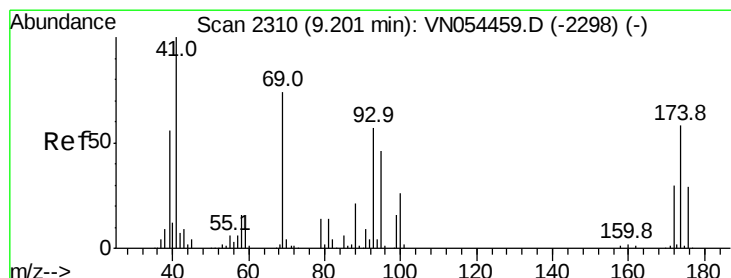
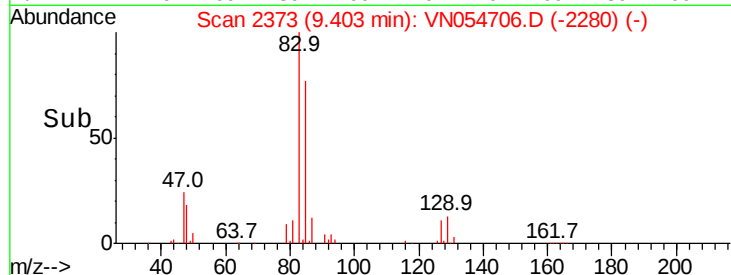
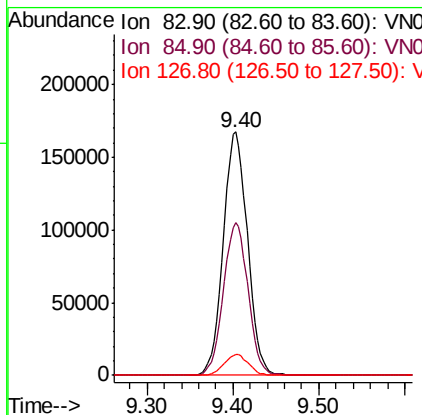
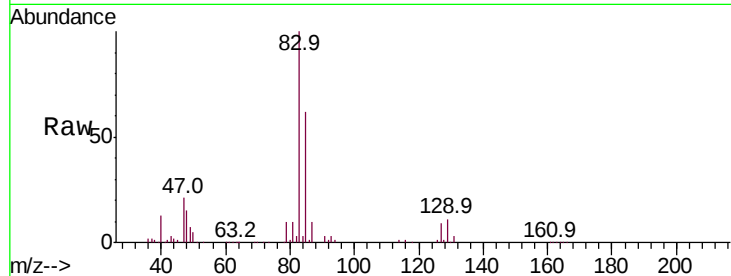
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	328634
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.8	79.2
127	8.8	7.4	11.2

Manual Integrations
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3/27/2019 9:10:25 AM



#48

Methyl methacrylate

Concen: 54.845 ug/l

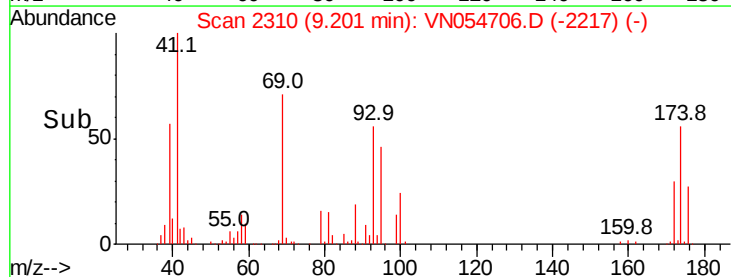
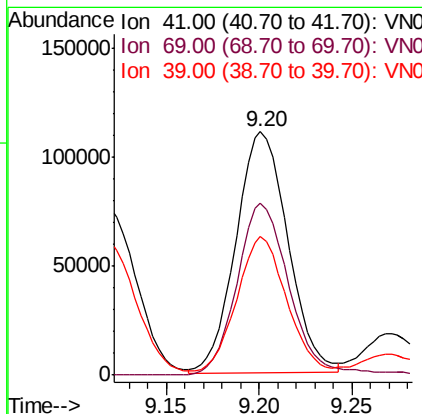
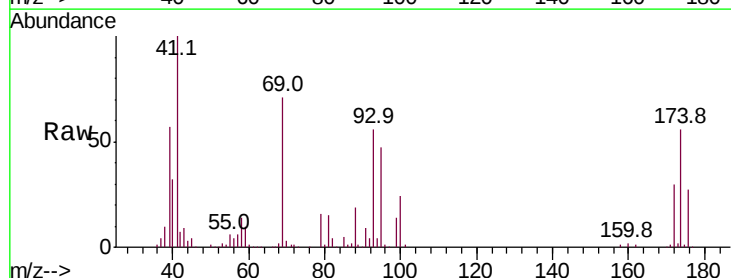
RT: 9.20 min Scan# 2310

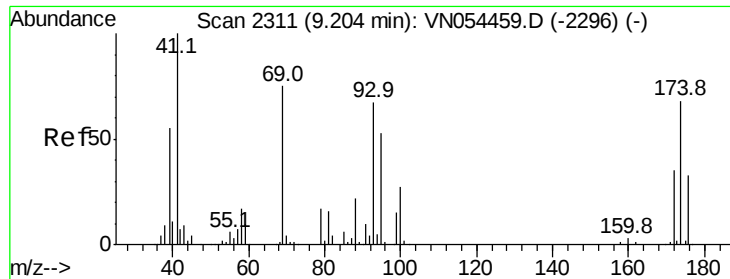
Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Tgt Ion:	41	Resp:	216960
Ion	Ratio	Lower	Upper
41	100		
69	72.0	72.6	108.8#
39	55.1	47.5	71.3





#49

1,4-Dioxane

Concen: 999.400 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 44198

Ion Ratio Lower Upper

88 100

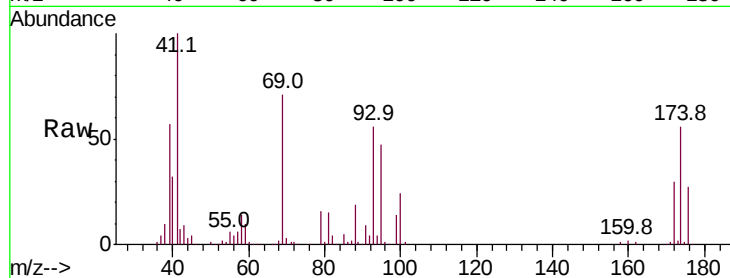
43 40.7 24.1 36.1#

58 76.8 50.8 76.2#

Manual Integrations
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Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2296) (-)

200000

150000

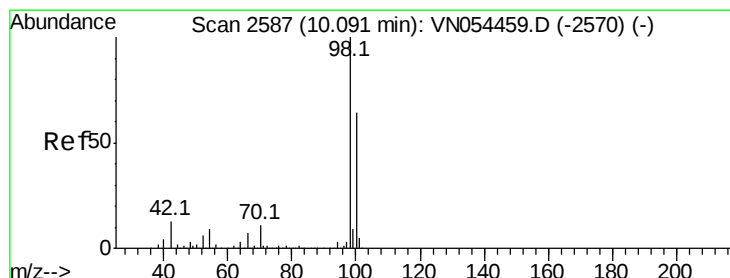
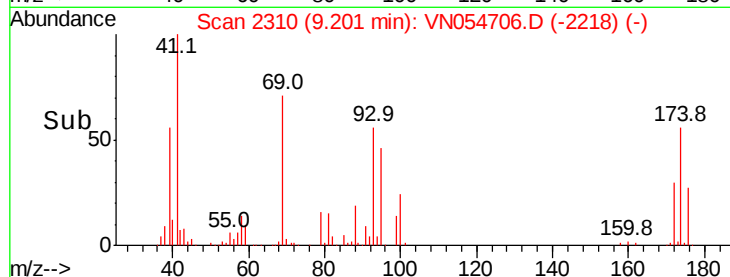
100000

50000

0

9.10 9.15 9.20 9.25 9.30

Time-->



#50

Toluene-d8

Concen: 53.055 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054706.D

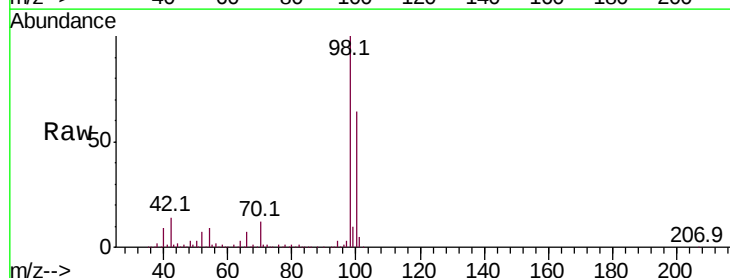
Acq: 26 Mar 2019 19:33

Tgt Ion: 98 Resp: 833885

Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)

500000

400000

300000

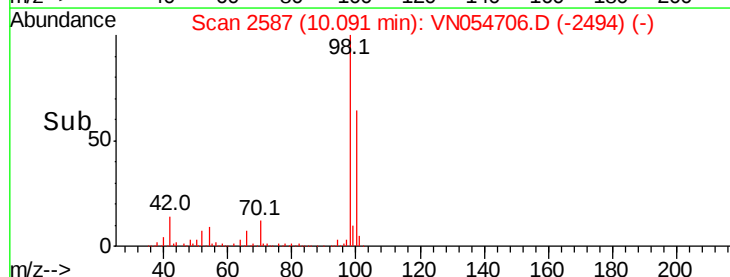
200000

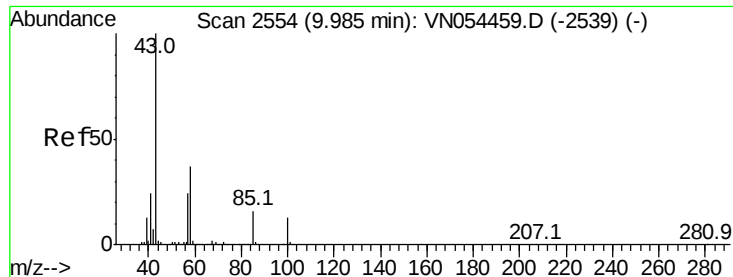
100000

0

10.00 10.10 10.20

Time-->





#51

4-Methyl-2-Pentanone

Concen: 285.530 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 1153335

Ion Ratio Lower Upper

43 100

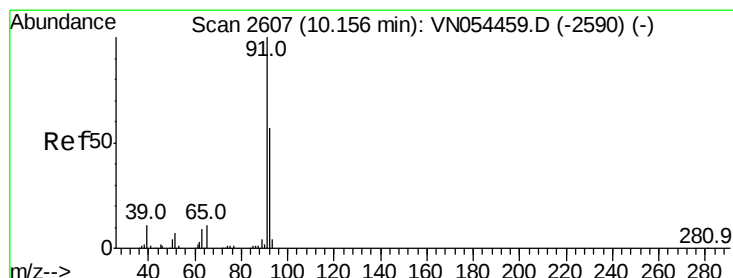
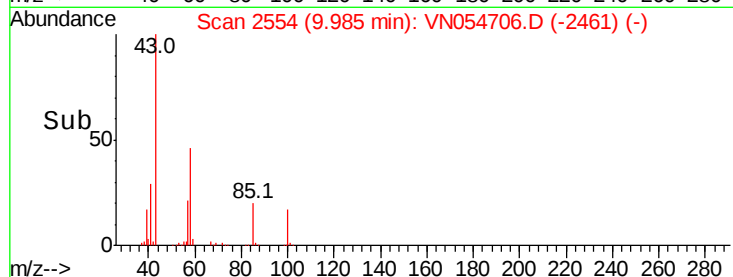
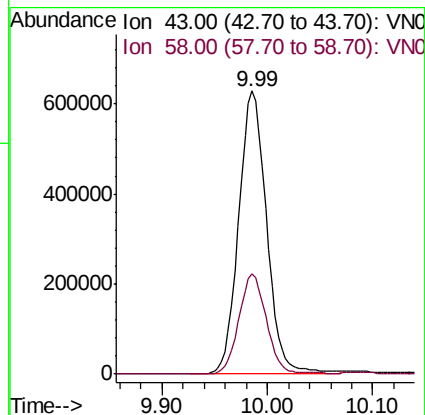
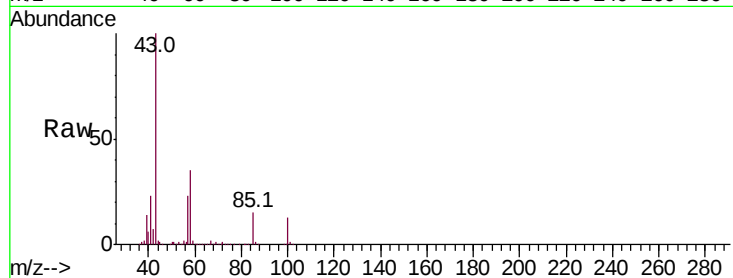
58 35.1 31.8 47.6

Manual Integrations

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3/27/2019 9:10:25 AM



#52

Toluene

Concen: 52.853 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054706.D

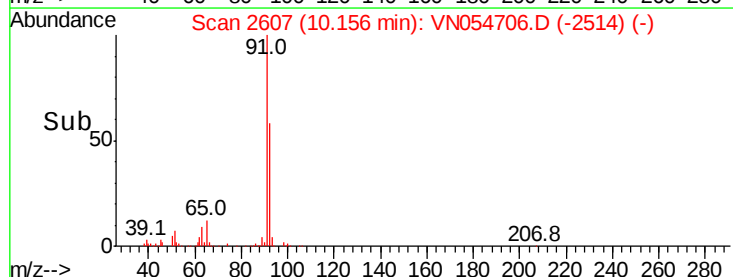
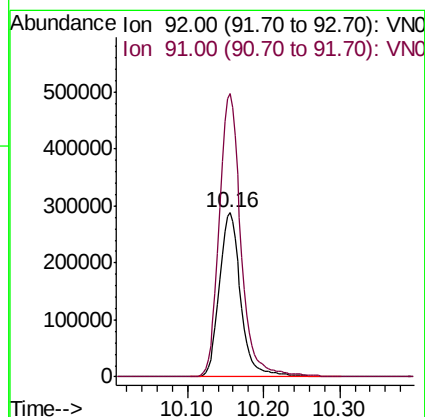
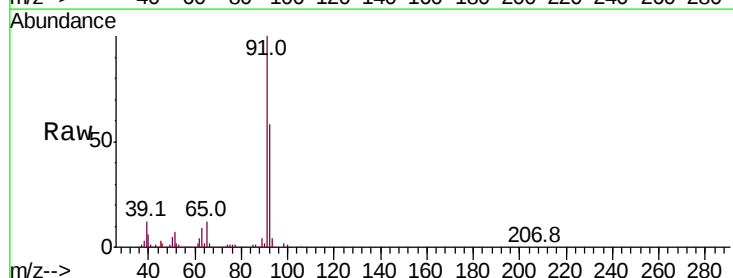
Acq: 26 Mar 2019 19:33

Tgt Ion: 92 Resp: 564033

Ion Ratio Lower Upper

92 100

91 175.1 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 51.525 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

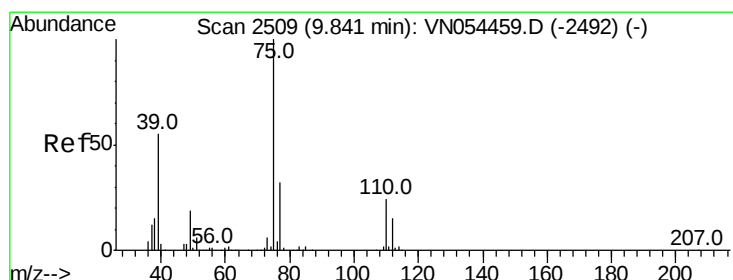
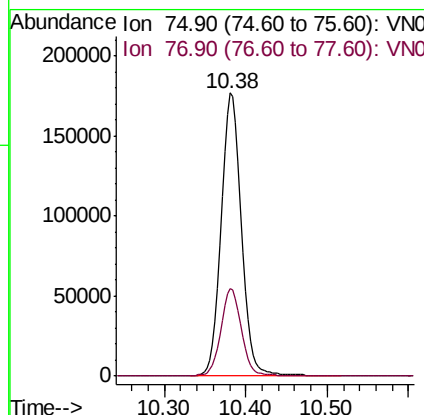
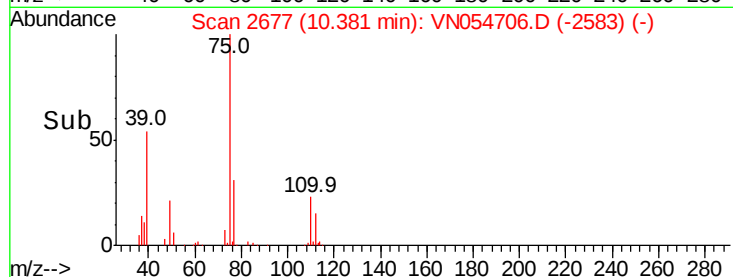
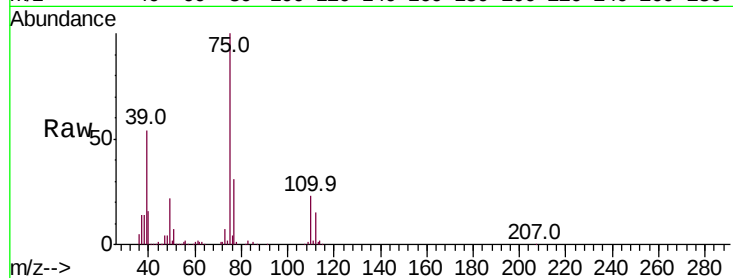
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 313966

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.8	38.8

Manual Integrations
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MMDadoda
3/27/2019 9:10:25 AM



#54

cis-1,3-Dichloropropene

Concen: 56.393 ug/l

RT: 9.84 min Scan# 2509

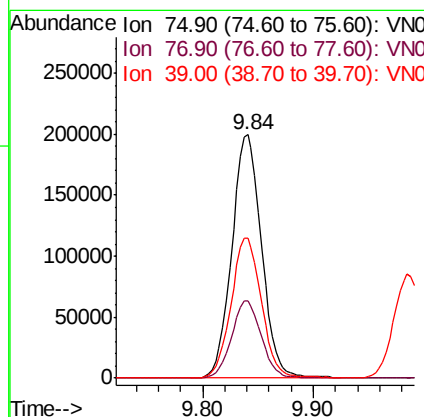
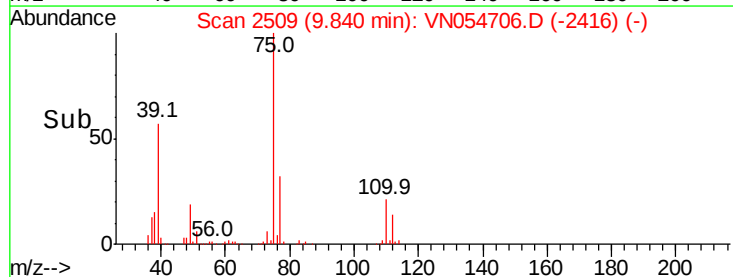
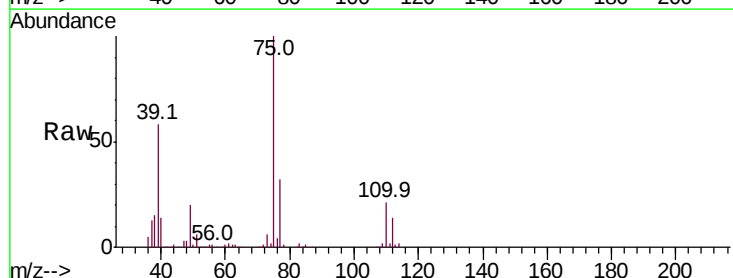
Delta R.T. -0.00 min

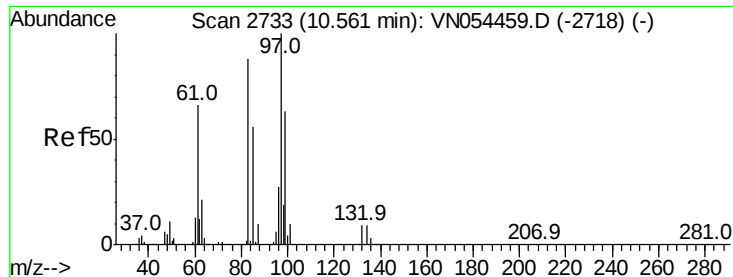
Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Tgt Ion: 75 Resp: 372991

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	57.3	37.2	55.8#





#55

1,1,2-Trichloroethane

Concen: 54.519 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

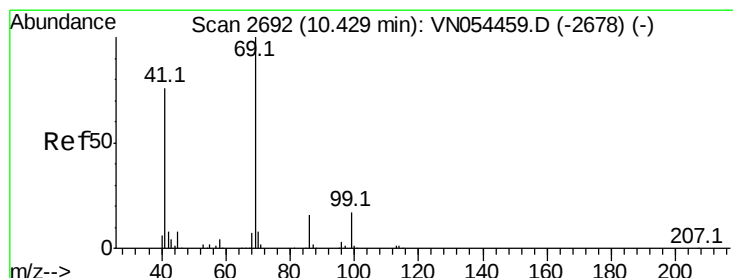
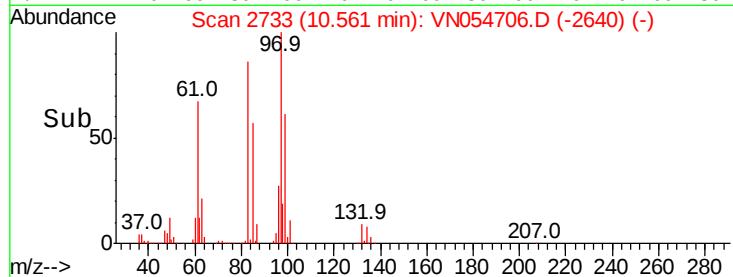
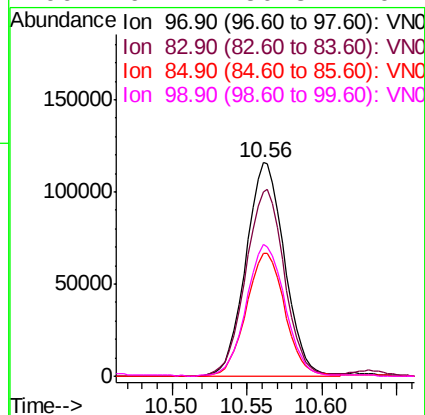
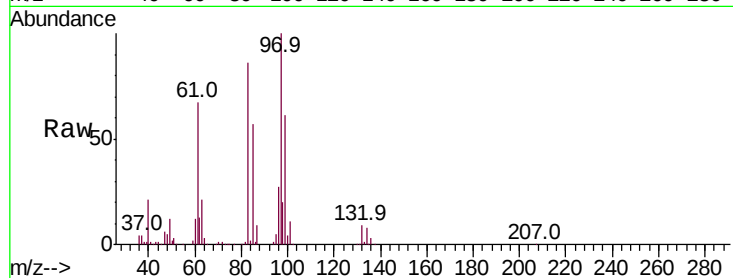
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	209138
Ion	Ratio	Lower	Upper
97	100		
83	86.4	66.6	100.0
85	57.4	44.4	66.6
99	61.2	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 55.197 ug/l

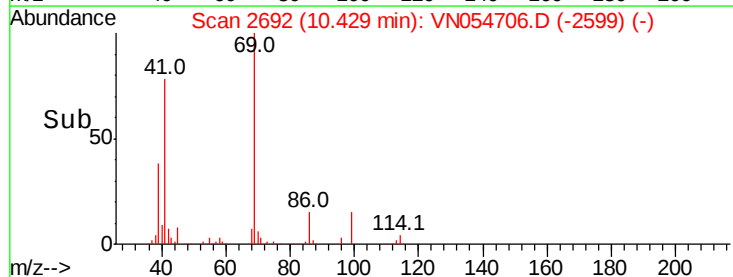
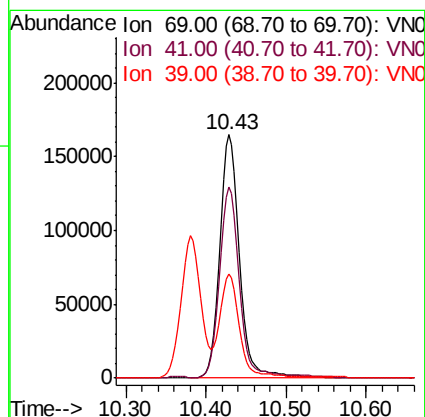
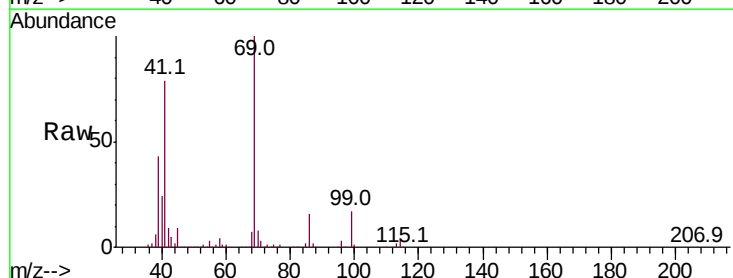
RT: 10.43 min Scan# 2692

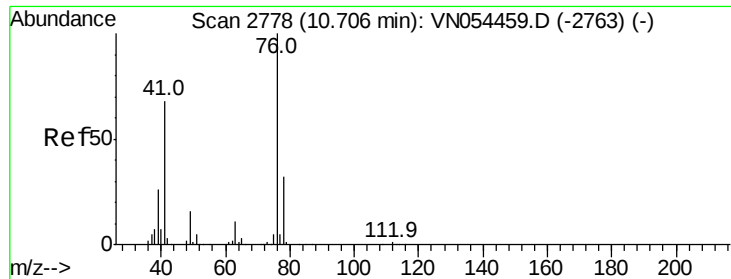
Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Tgt Ion:	69	Resp:	284197
Ion	Ratio	Lower	Upper
69	100		
41	77.7	49.4	74.2#
39	41.7	28.3	42.5





#57

1,3-Dichloropropane

Concen: 55.192 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 368039

Ion Ratio Lower Upper

76 100

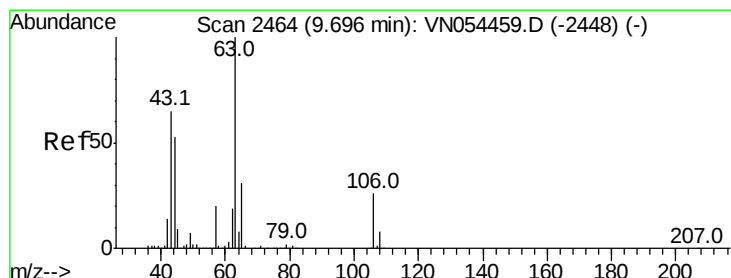
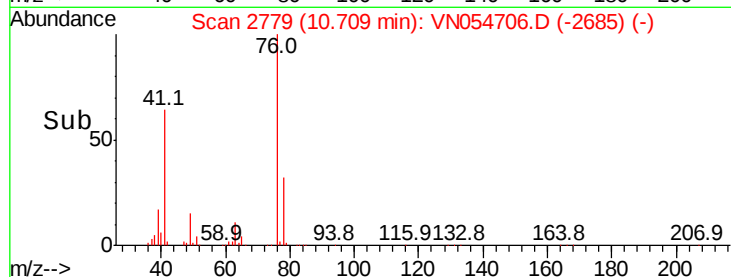
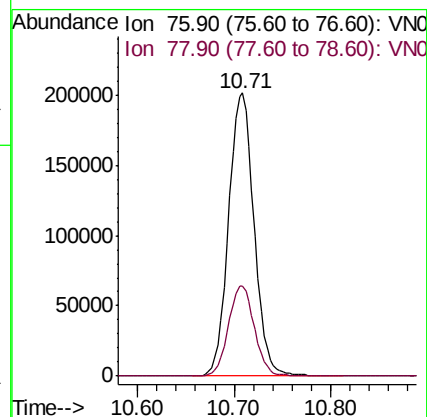
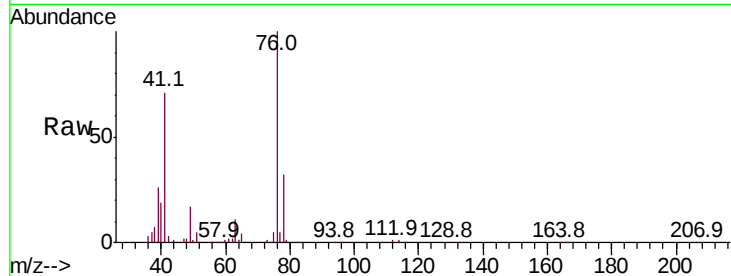
78 32.5 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 243.326 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054706.D

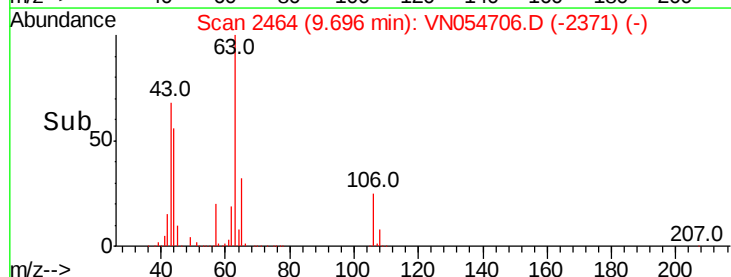
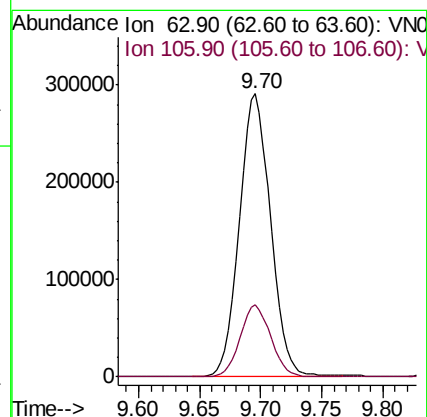
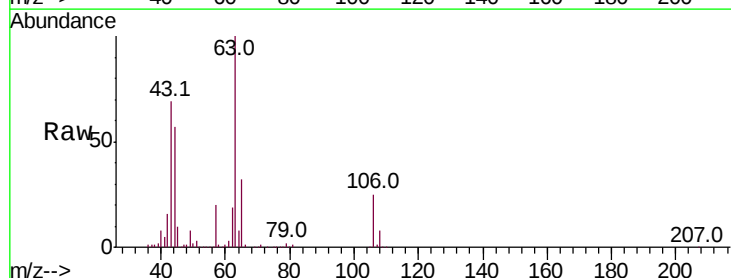
Acq: 26 Mar 2019 19:33

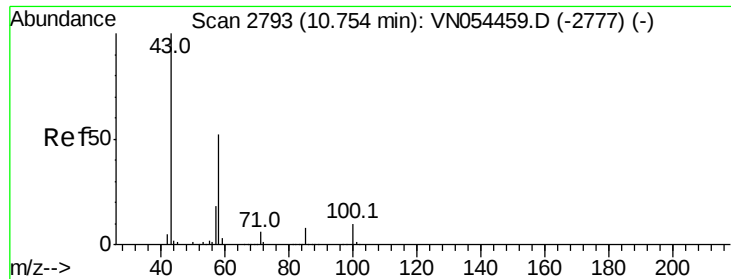
Tgt Ion: 63 Resp: 515890

Ion Ratio Lower Upper

63 100

106 24.8 24.4 36.6





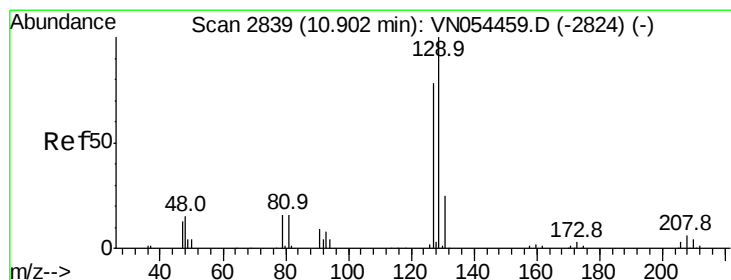
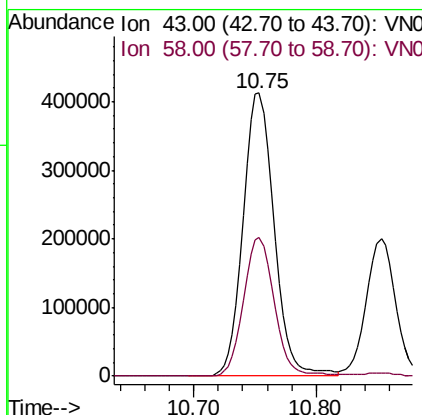
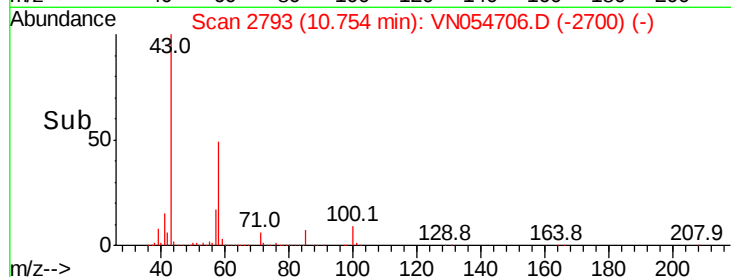
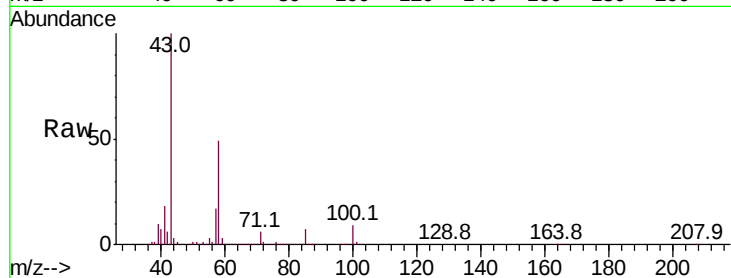
#59
2-Hexanone
Concen: 272.962 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 720186
Ion Ratio Lower Upper
43 100
58 48.6 28.0 83.9

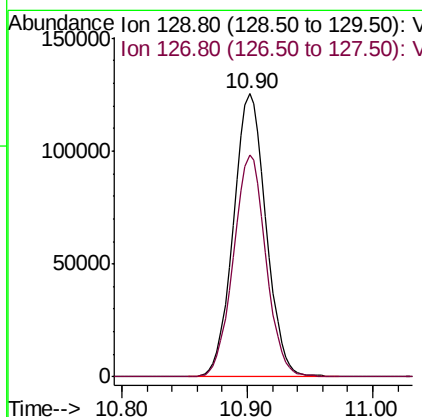
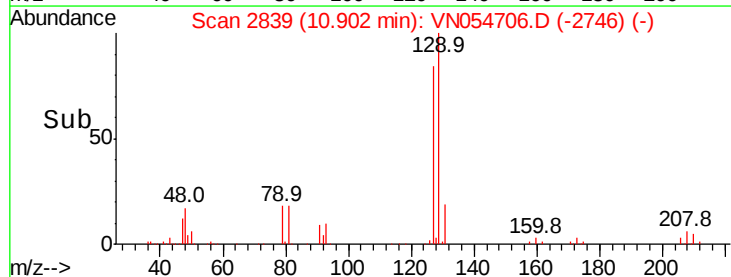
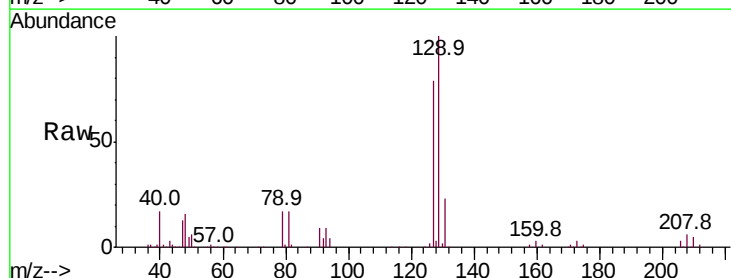
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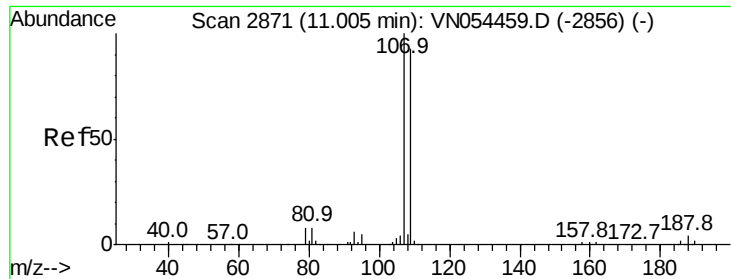
MMDadoda
3/27/2019 9:10:25 AM



#60
Dibromochloromethane
Concen: 55.544 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Tgt Ion: 129 Resp: 226729
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





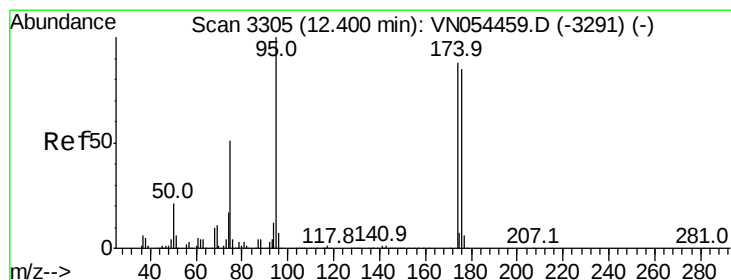
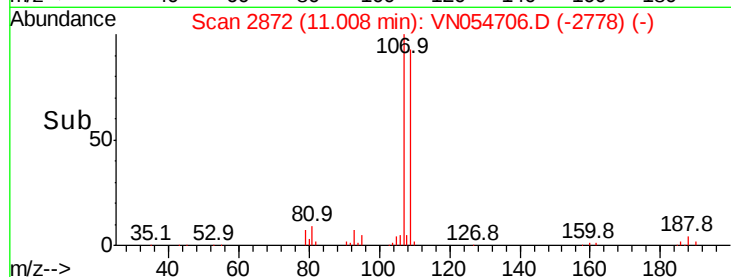
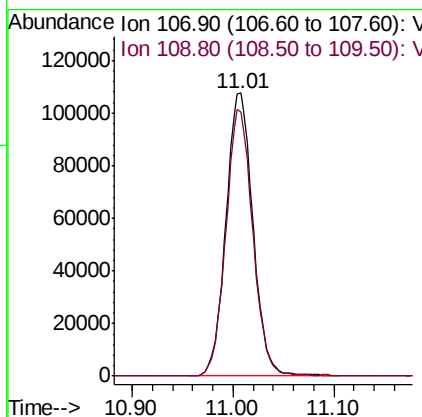
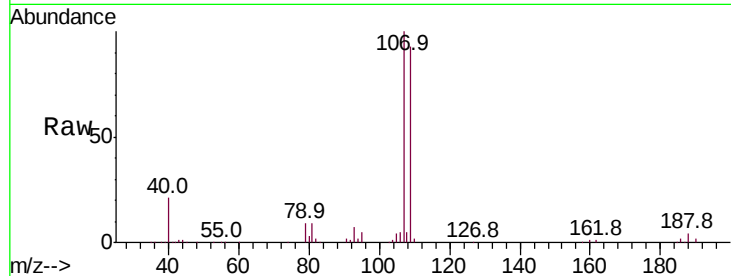
#61
 1,2-Dibromoethane
 Concen: 53.206 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054706.D
 Acq: 26 Mar 2019 19:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.9	113.9

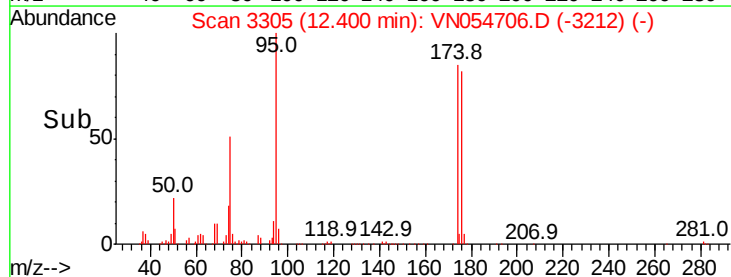
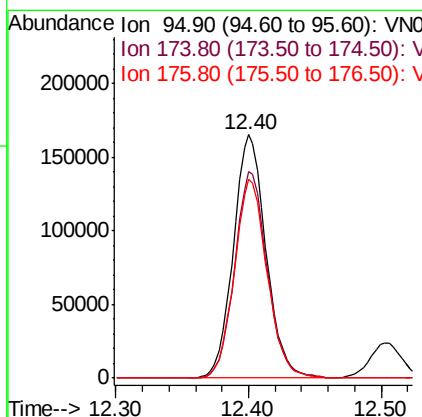
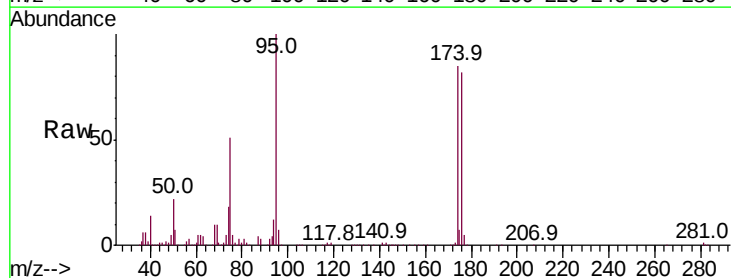
Manual Integrations
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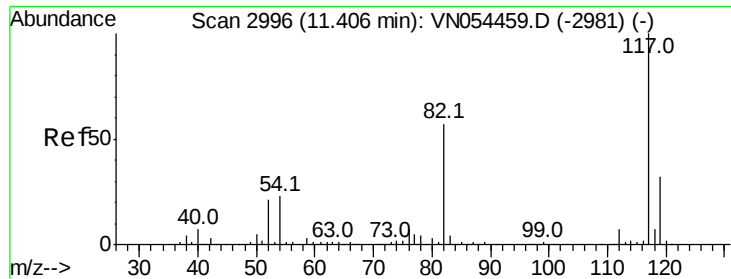
MMDadoda
 3/27/2019 9:10:25 AM



#62
 4-Bromofluorobenzene
 Concen: 52.763 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054706.D
 Acq: 26 Mar 2019 19:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	191.0
176	82.2	0.0	187.4





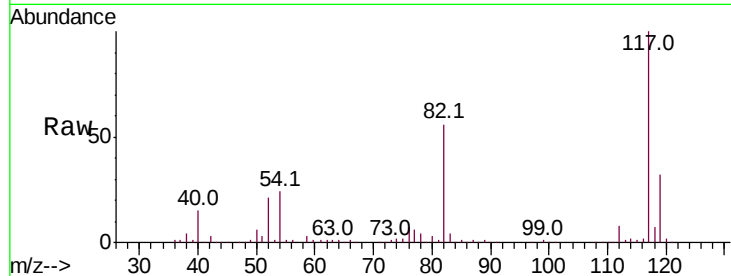
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	40.0	60.0
119	32.3	25.8	38.6

Manual Integrations
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3/27/2019 9:10:25 AM

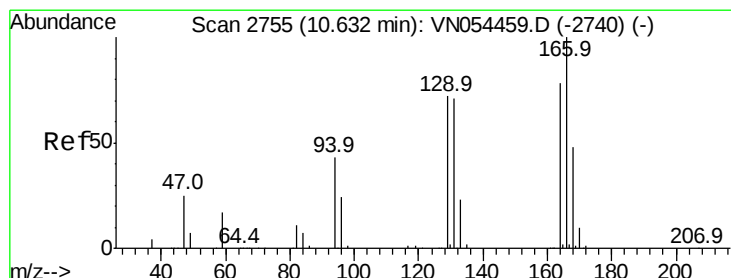
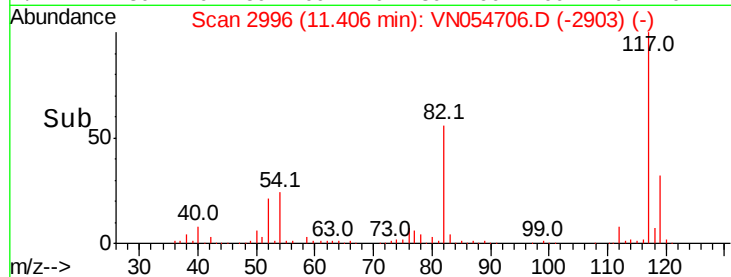
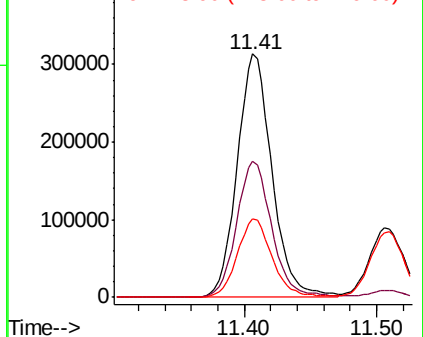


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.061 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	103.9	155.9
129	93.8	71.1	106.7
131	91.3	68.2	102.4

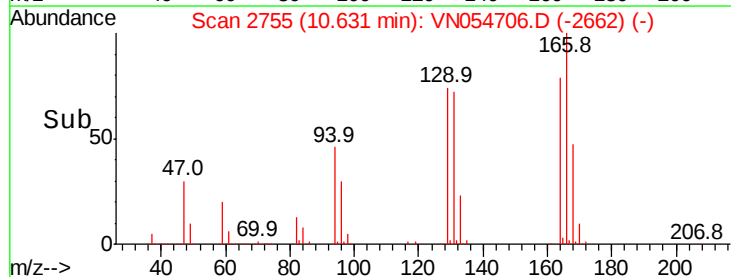
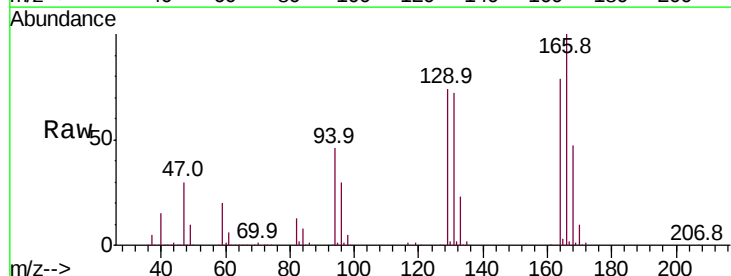
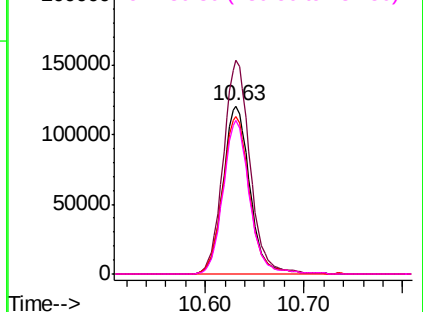
Abundance

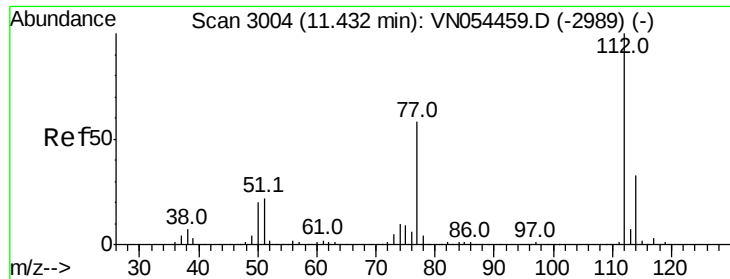
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





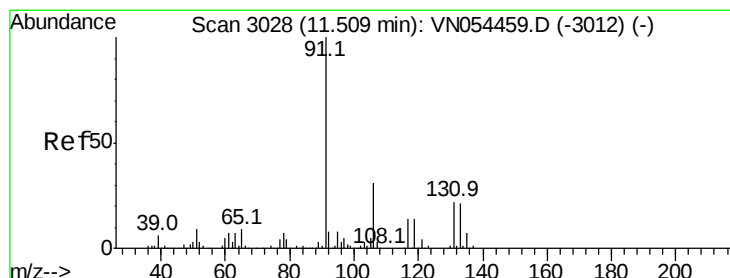
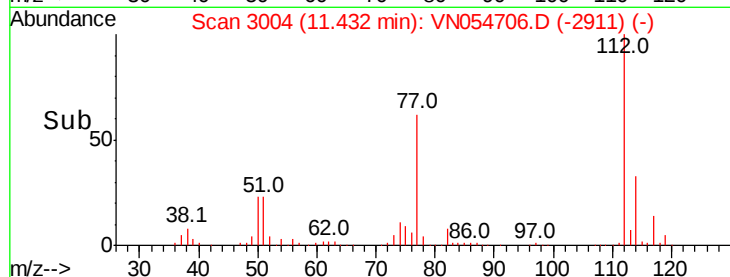
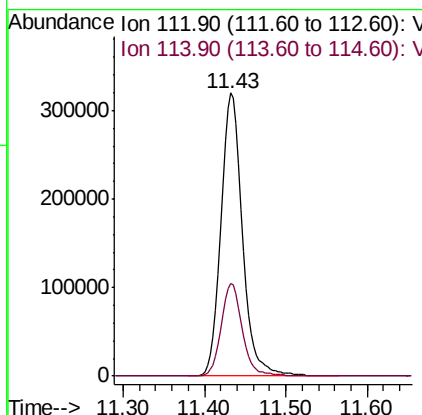
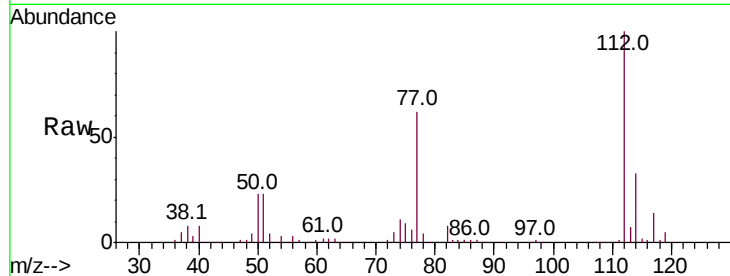
#65
Chlorobenzene
Concen: 51.489 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 599354
Ion Ratio Lower Upper
112 100
114 32.7 25.9 38.9

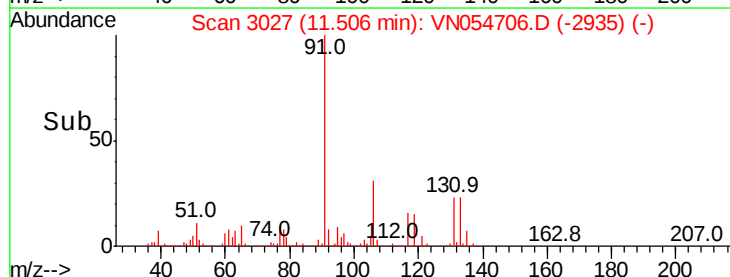
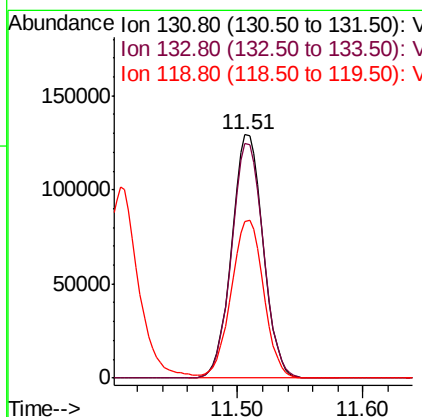
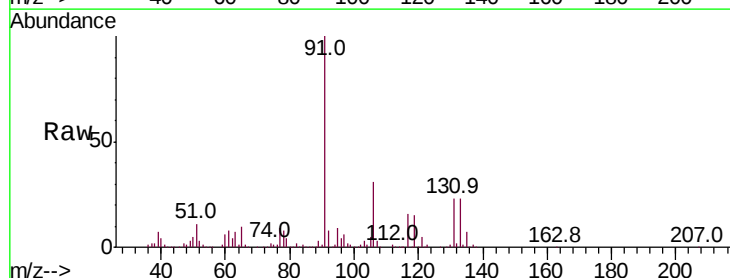
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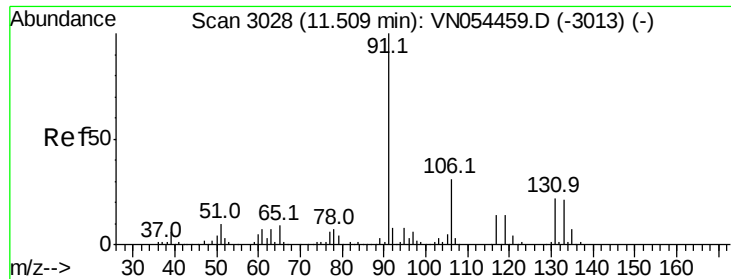
MMDadoda
3/27/2019 9:10:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.005 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Tgt Ion:131 Resp: 225637
Ion Ratio Lower Upper
131 100
133 97.4 47.6 142.9
119 67.0 32.4 97.0





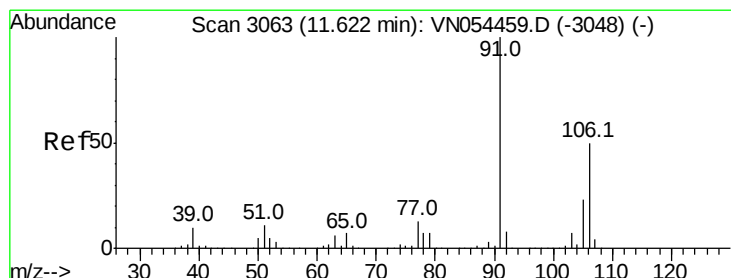
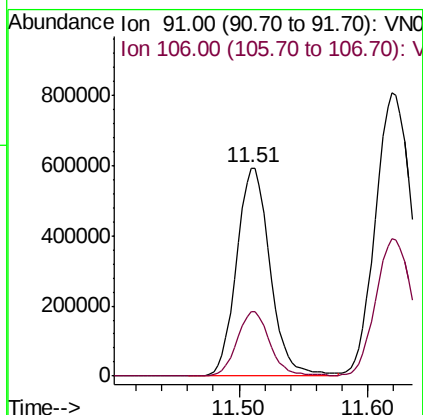
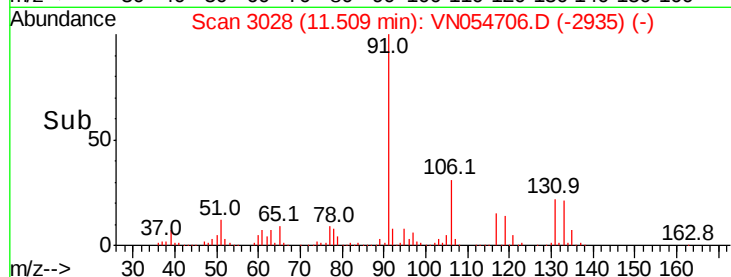
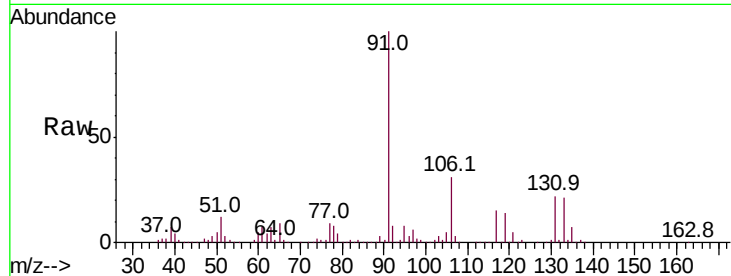
#67
Ethyl Benzene
Concen: 52.355 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1076519
Ion Ratio Lower Upper
91 100
106 30.9 25.5 38.3

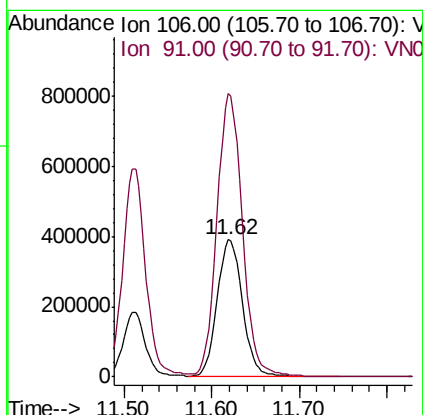
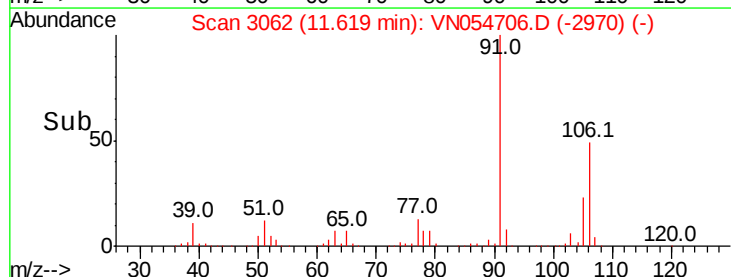
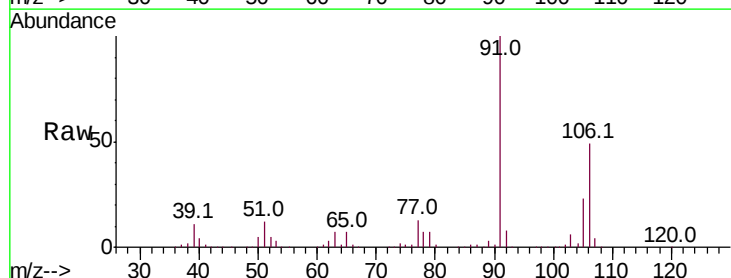
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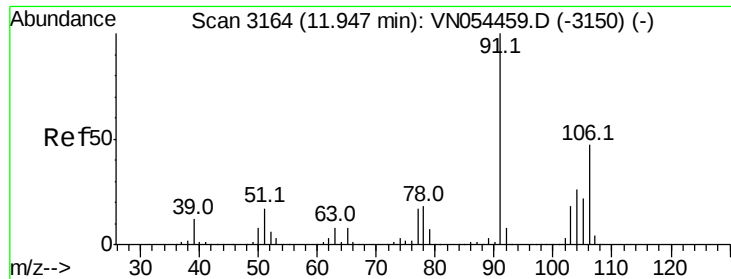
MMDadoda
3/27/2019 9:10:25 AM



#68
m/p-Xylenes
Concen: 101.900 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Tgt Ion: 106 Resp: 793632
Ion Ratio Lower Upper
106 100
91 206.2 159.4 239.2





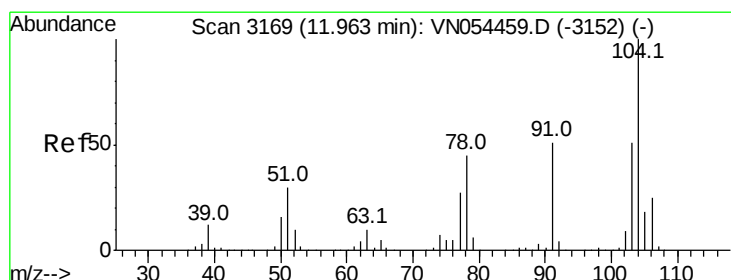
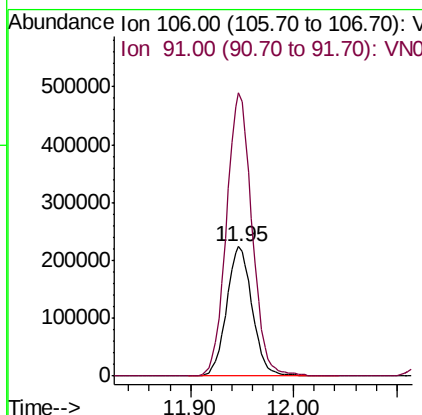
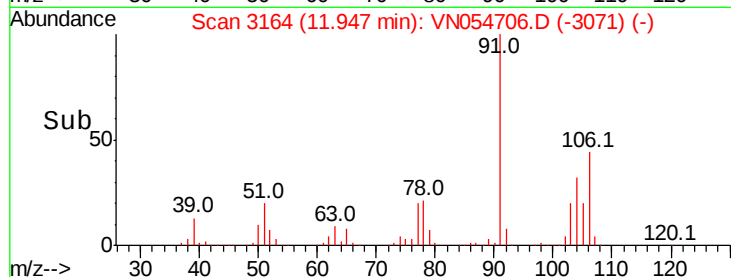
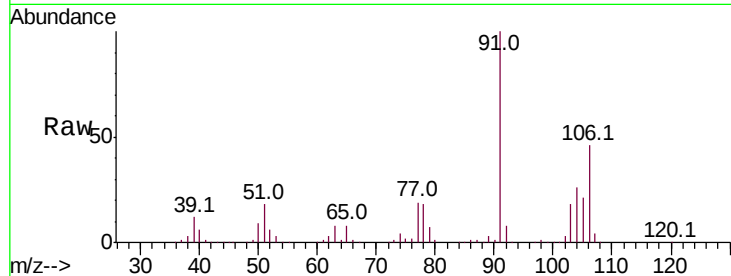
#69
o-Xylene
Concen: 51.075 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 388477
Ion Ratio Lower Upper
106 100
91 218.0 105.7 317.1

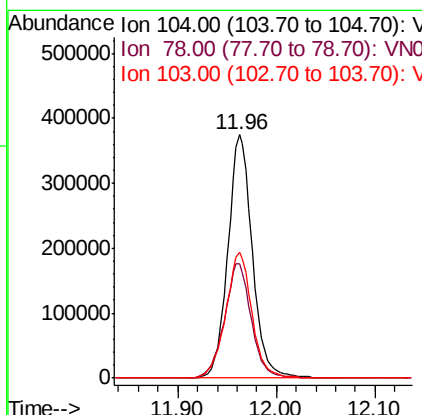
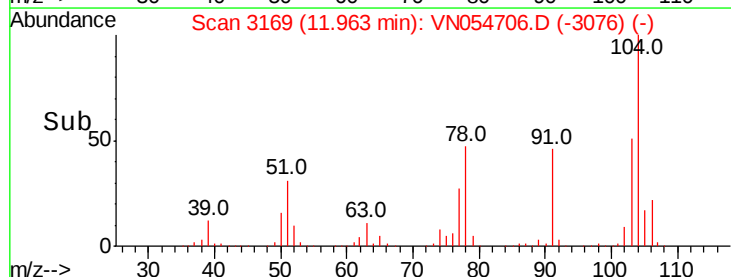
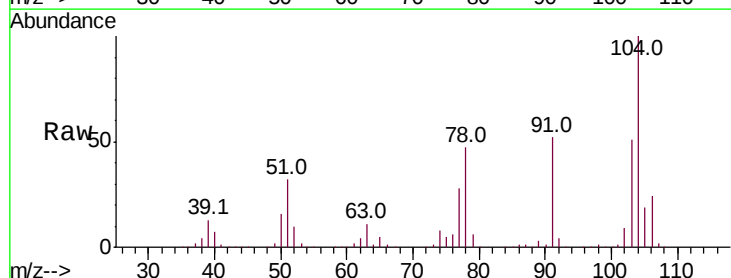
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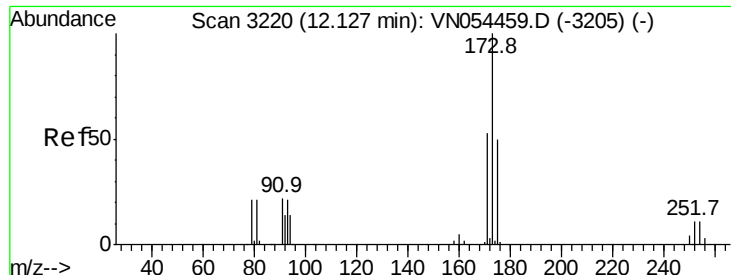
MMDadoda
3/27/2019 9:10:25 AM



#70
Styrene
Concen: 52.553 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Tgt Ion:104 Resp: 649122
Ion Ratio Lower Upper
104 100
78 51.8 38.2 57.2
103 55.5 44.4 66.6





#71

Bromoform

Concen: 48.488 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 139467

Ion Ratio Lower Upper

173 100

175 47.0 24.4 73.2

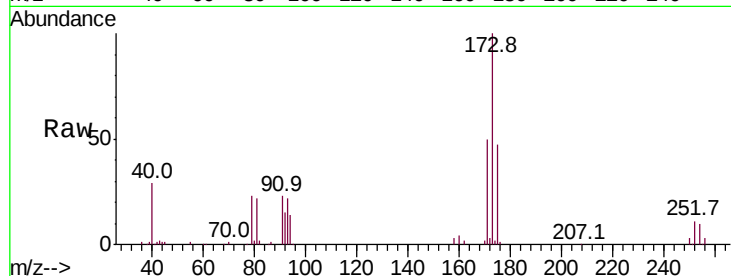
254 0.0 0.1 0.1#

Manual Integrations

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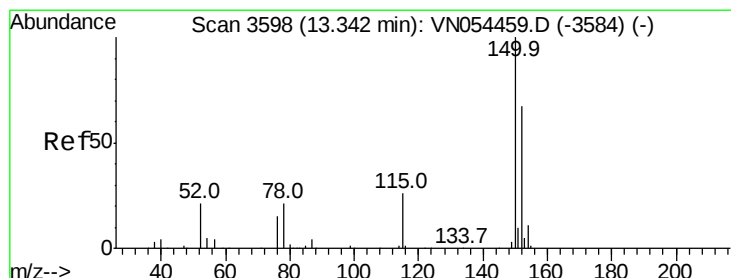
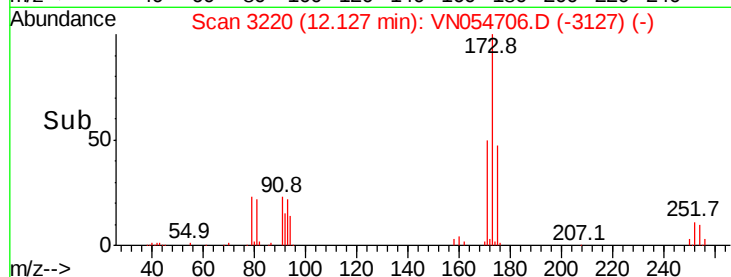
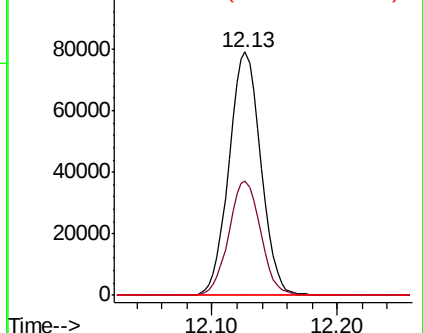
3/27/2019 9:10:25 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

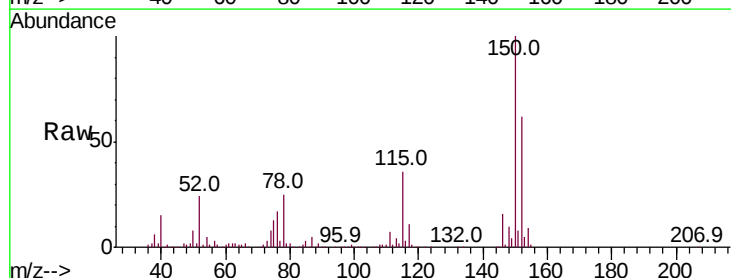
Tgt Ion:152 Resp: 250288

Ion Ratio Lower Upper

152 100

115 59.4 27.2 81.6

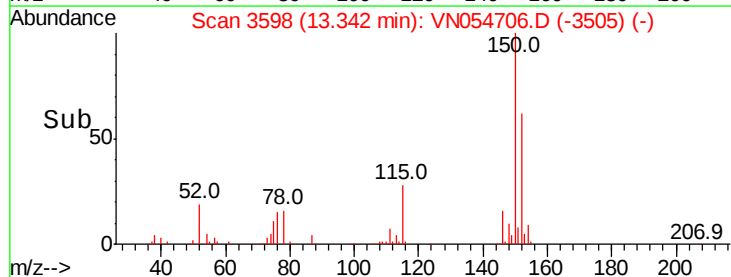
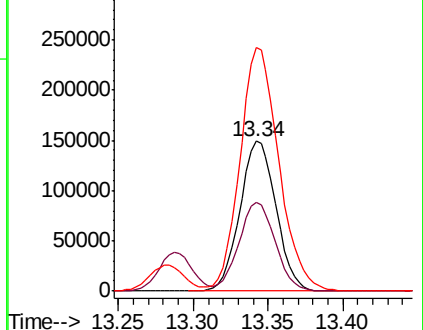
150 175.0 0.0 349.2

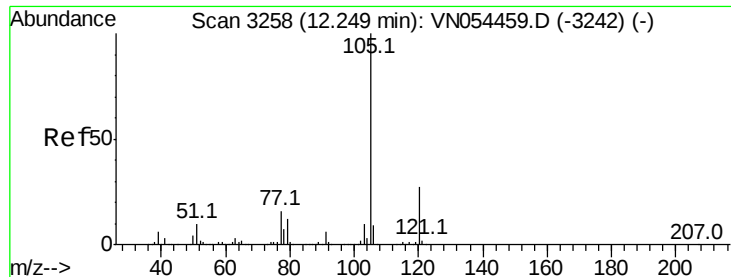


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





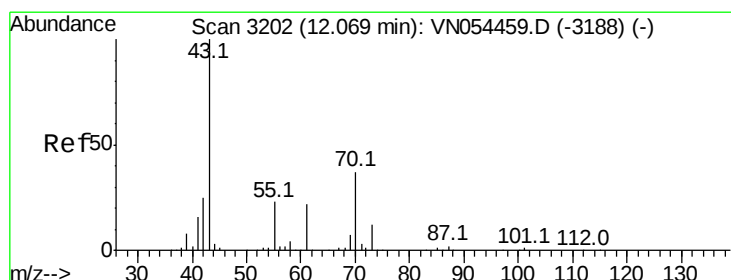
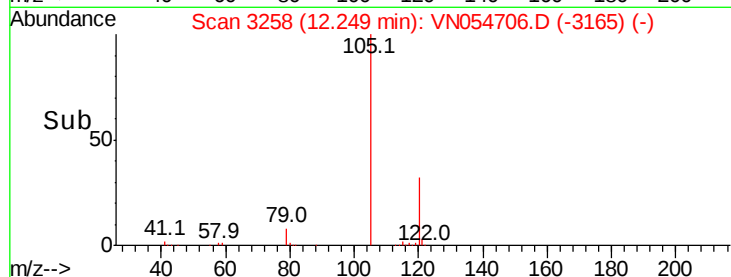
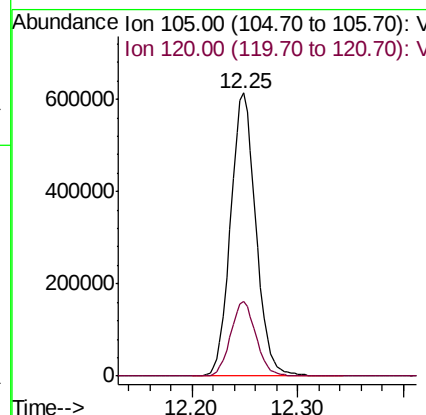
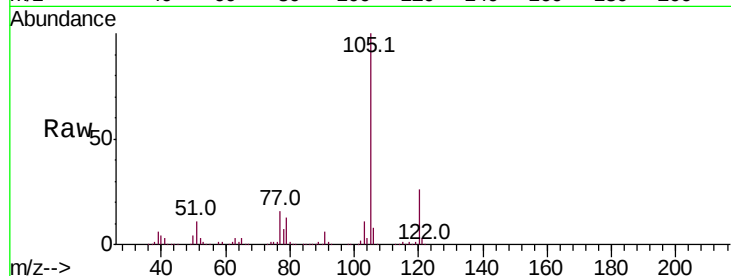
#73
Isopropylbenzene
Concen: 50.287 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1014229
Ion Ratio Lower Upper
105 100
120 26.5 13.8 41.3

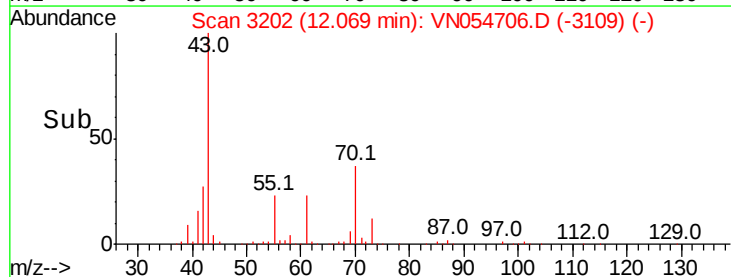
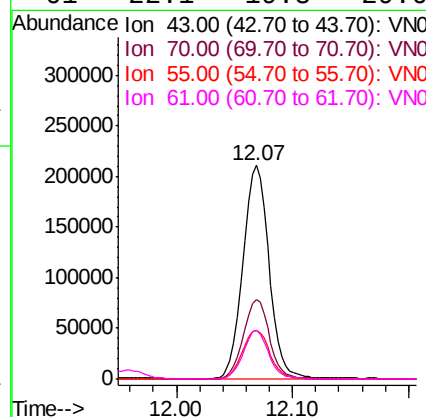
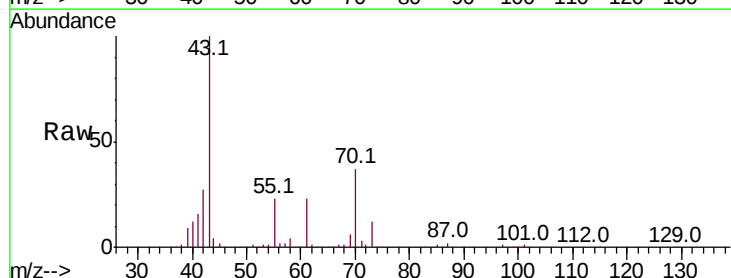
Manual Integrations
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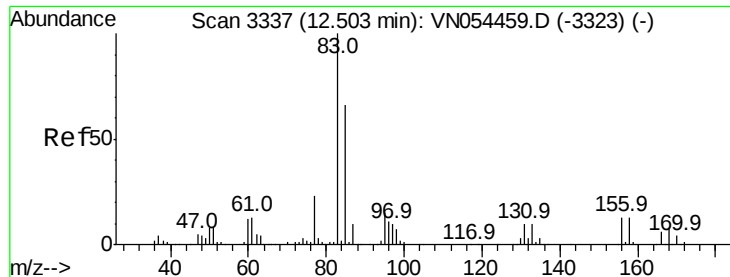
MMDadoda
3/27/2019 9:10:25 AM



#74
N-ethyl acetate
Concen: 56.620 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Tgt Ion: 43 Resp: 328354
Ion Ratio Lower Upper
43 100
70 37.3 35.4 53.0
55 24.1 19.8 29.6
61 22.1 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.591 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

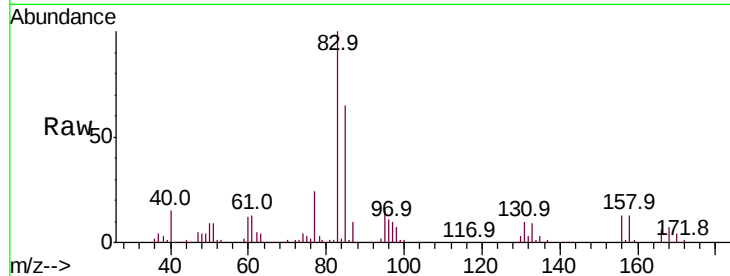
ClientSampleId :

VSTDCCC050EC

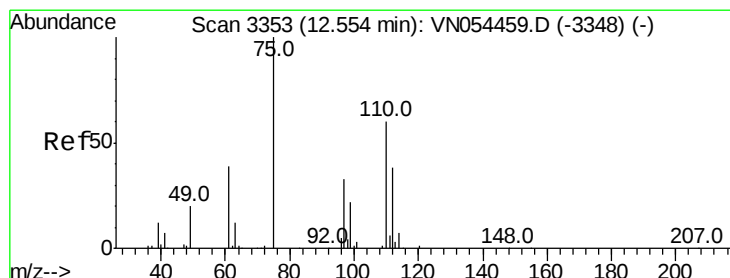
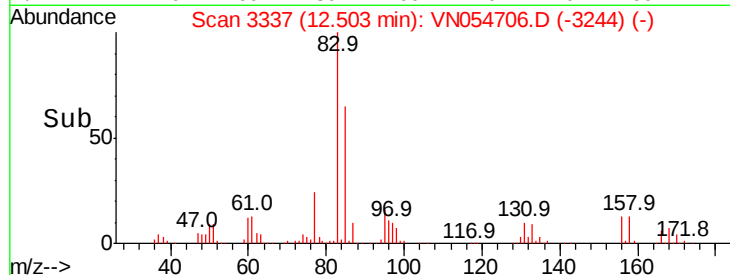
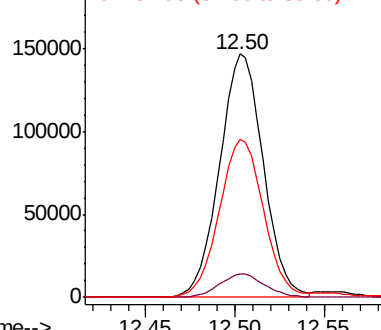
Tot Ion:	83	Resp:	251336
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.8	17.4
85	65.8	32.2	96.6

Manual Integrations
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MMDadoda
3/27/2019 9:10:25 AM



Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 53.427 ug/l m

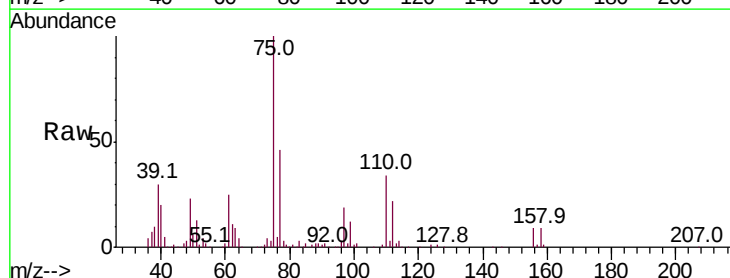
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

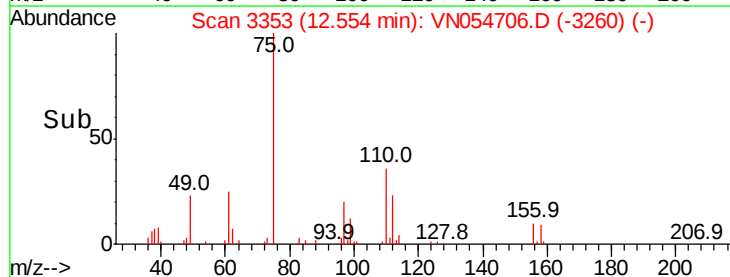
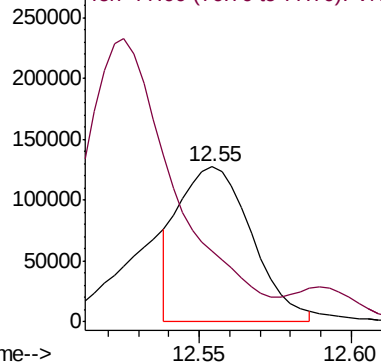
Lab File: VN054706.D

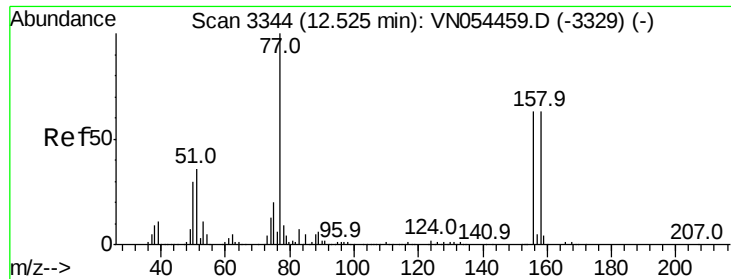
Acq: 26 Mar 2019 19:33

Tgt Ion:	75	Resp:	212194
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3348) (-)





#77

Bromobenzene

Concen: 50.341 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

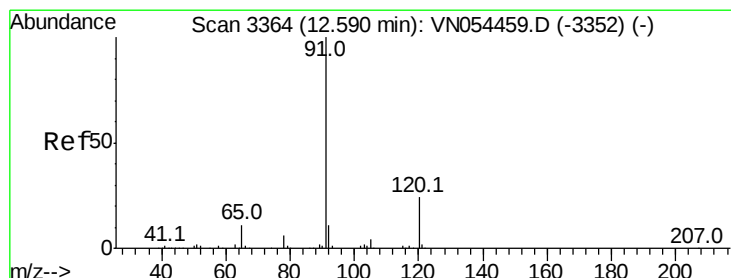
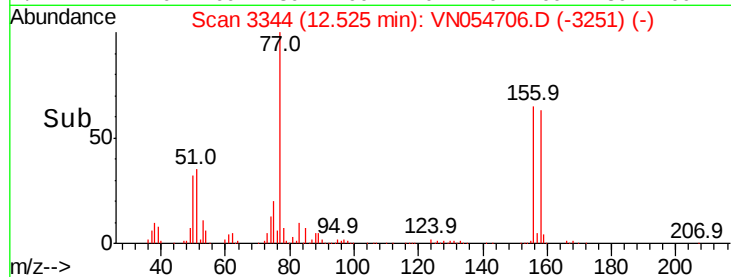
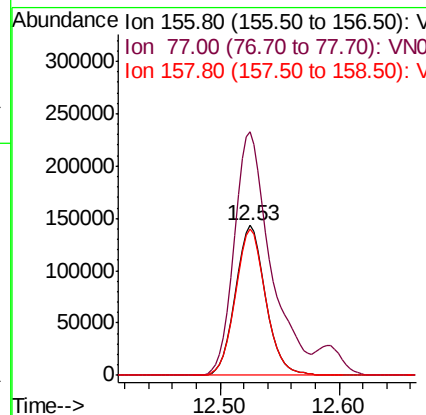
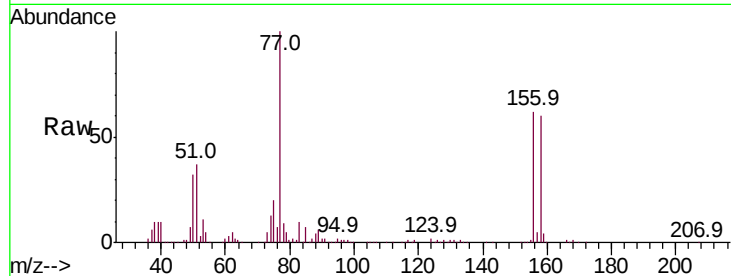
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	251810
Ion Ratio	Lower	Upper	
156	100		
77	195.2	81.5	244.4
158	98.0	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 51.294 ug/l

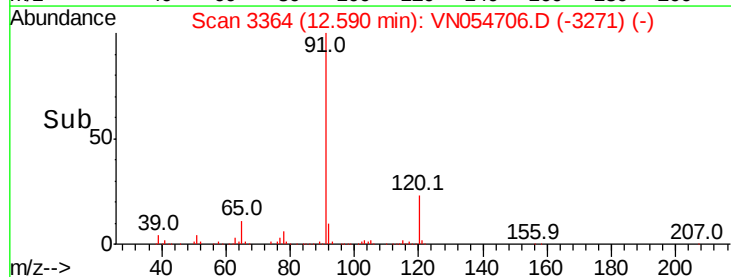
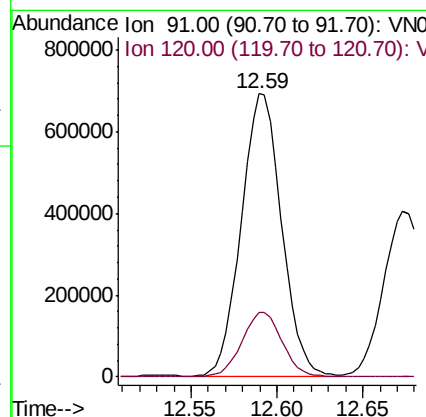
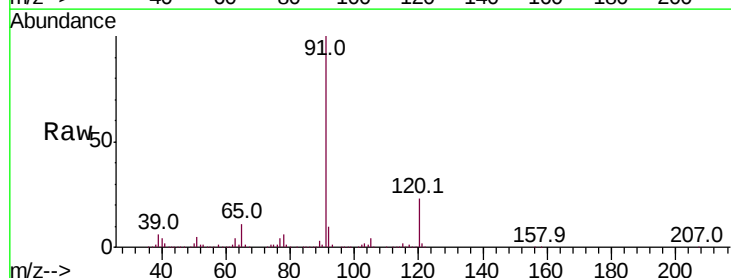
RT: 12.59 min Scan# 3364

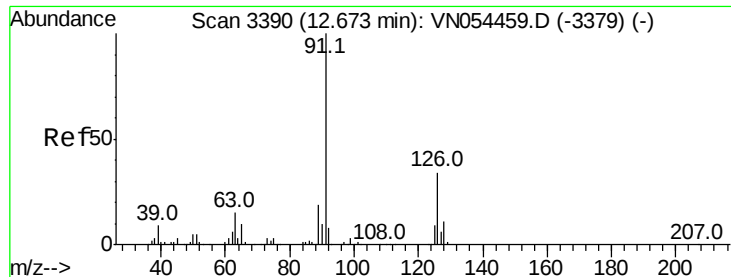
Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Tgt Ion:	91	Resp:	1121801
Ion Ratio	Lower	Upper	
91	100		
120	23.0	12.3	36.9





#79

2-Chlorotoluene

Concen: 50.939 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 694709

Ion Ratio Lower Upper

91 100

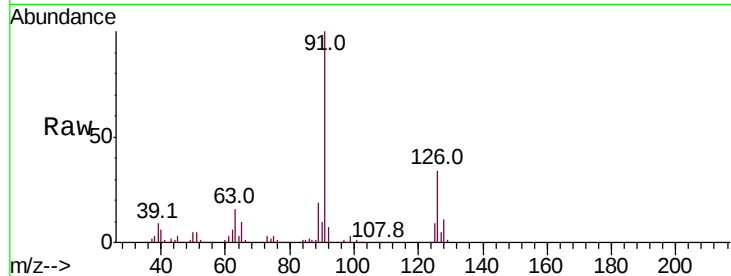
126 34.6 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)

12.67

400000

300000

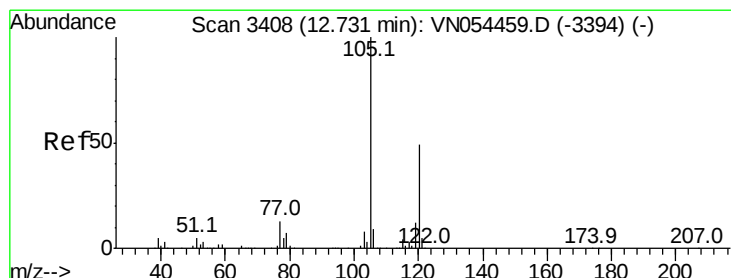
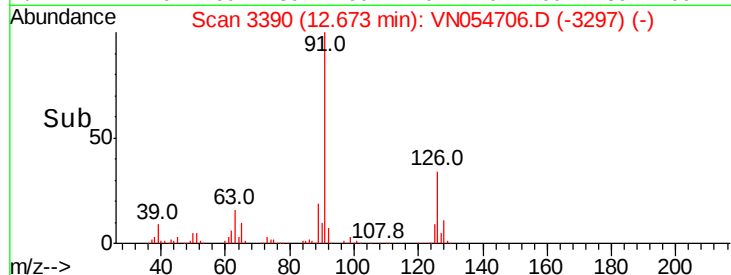
200000

100000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.565 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054706.D

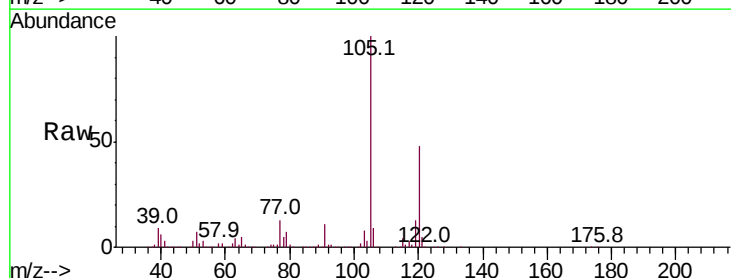
Acq: 26 Mar 2019 19:33

Tgt Ion: 105 Resp: 835831

Ion Ratio Lower Upper

105 100

120 48.2 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)

12.73

600000

500000

400000

300000

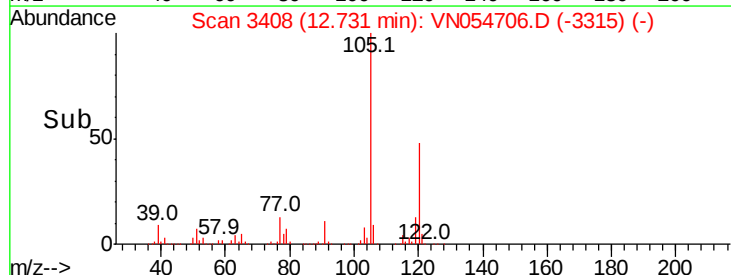
200000

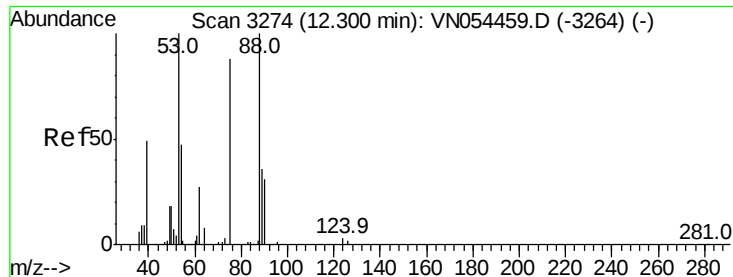
100000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 50.396 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 58092

Ion Ratio Lower Upper

75 100

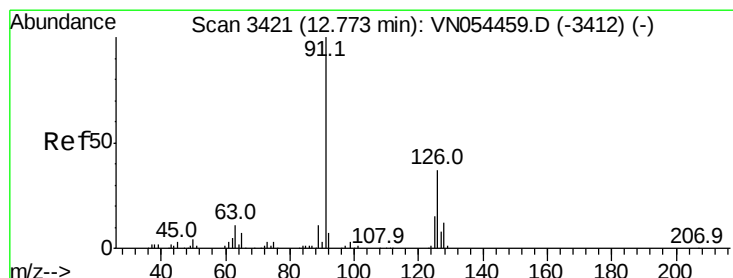
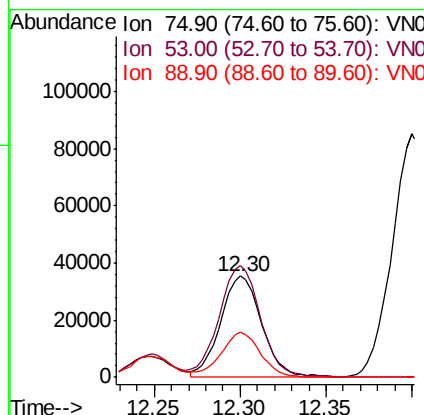
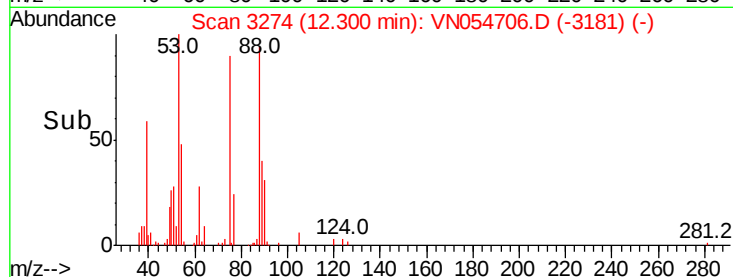
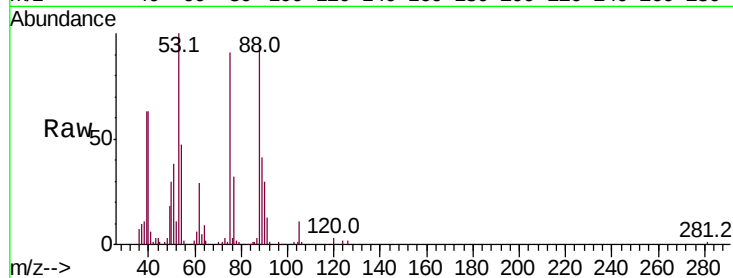
53 114.5 76.2 114.2#

89 41.9 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.716 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054706.D

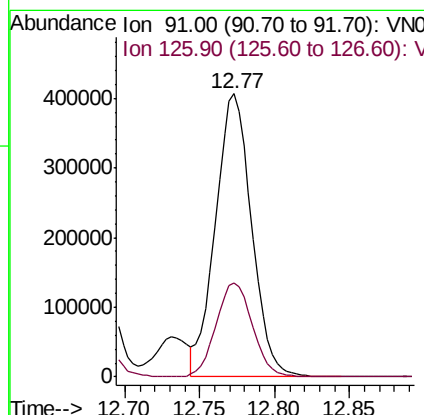
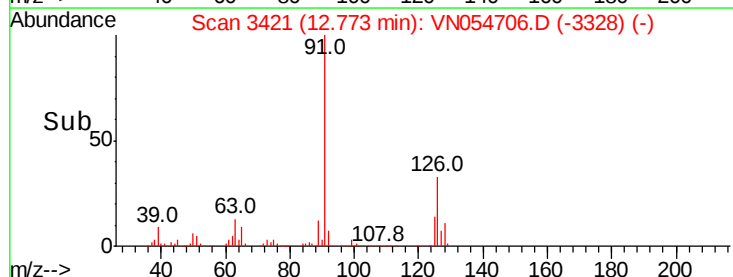
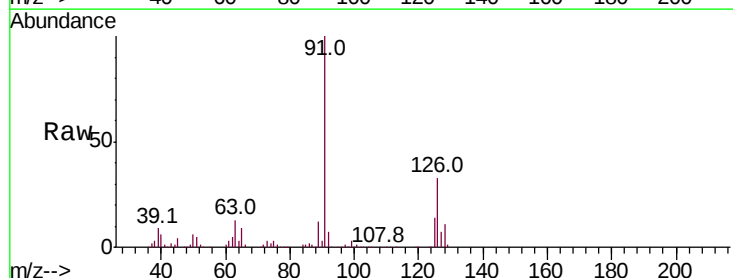
Acq: 26 Mar 2019 19:33

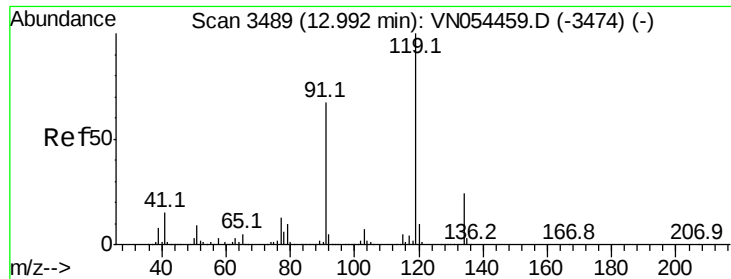
Tgt Ion: 91 Resp: 683662

Ion Ratio Lower Upper

91 100

126 33.5 18.1 54.1





#83

tert-Butylbenzene

Concen: 49.368 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

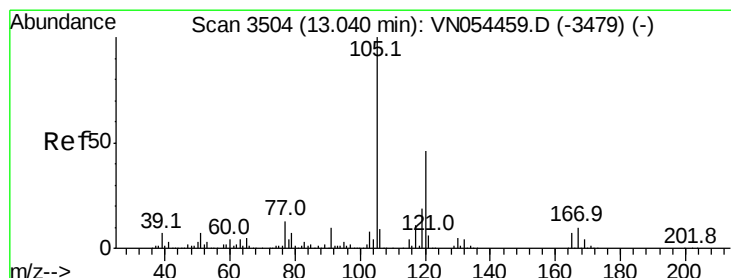
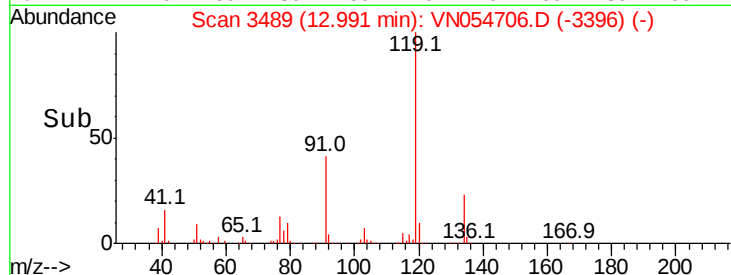
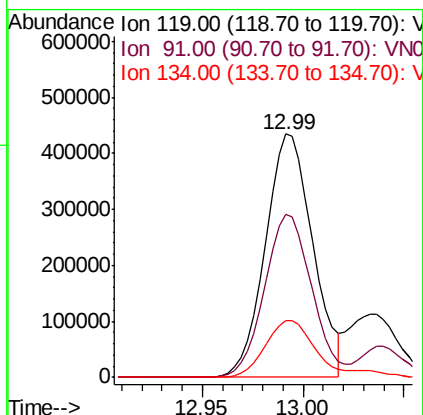
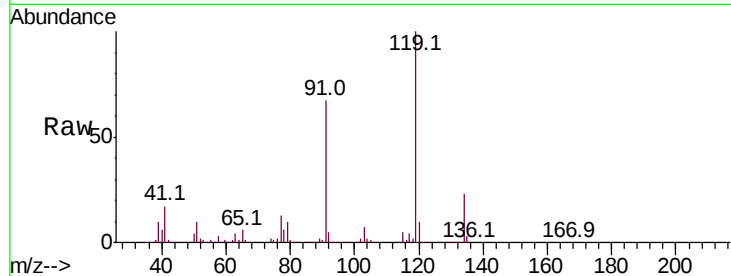
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	710329
Ion Ratio	Lower	Upper	
119	100		
91	66.3	30.9	92.8
134	26.2	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.350 ug/l

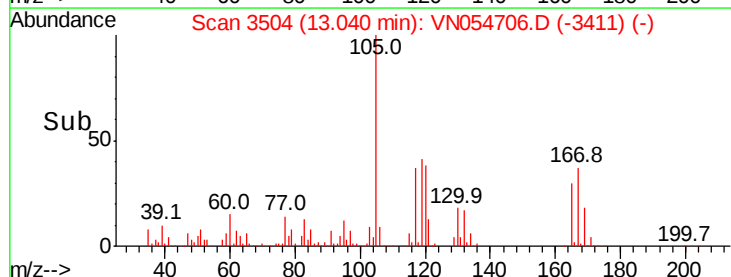
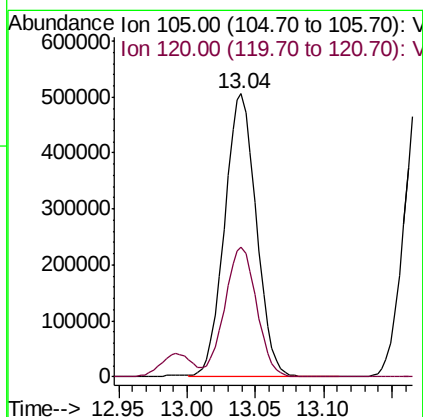
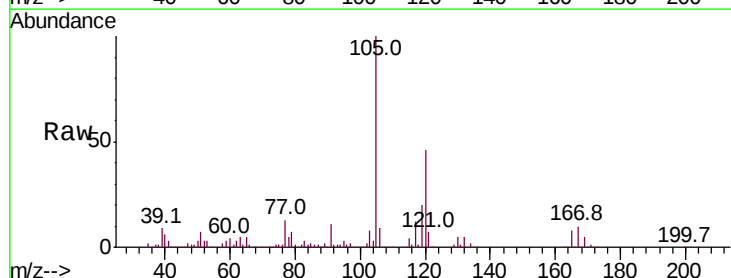
RT: 13.04 min Scan# 3504

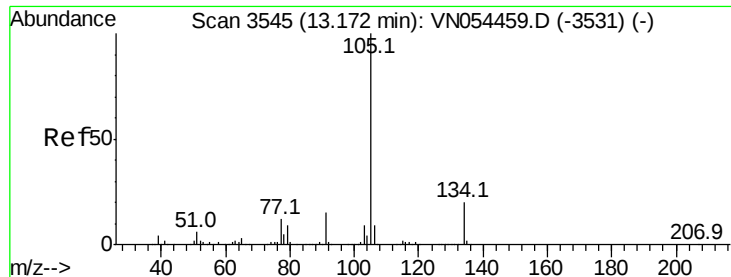
Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Tgt Ion:	105	Resp:	816656
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.4	70.3





#85

sec-Butylbenzene

Concen: 49.828 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 893745

Ion Ratio Lower Upper

105 100

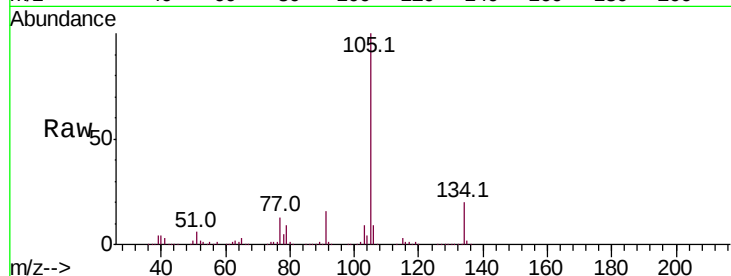
134 19.8 10.7 32.1

Manual Integrations

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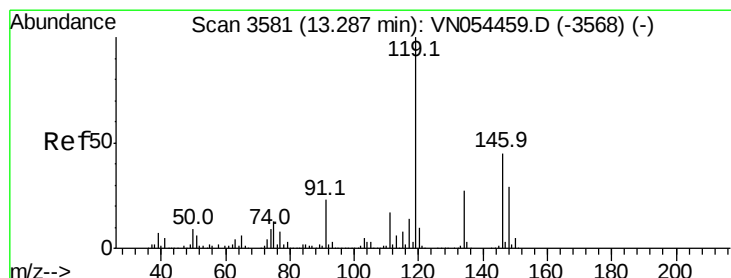
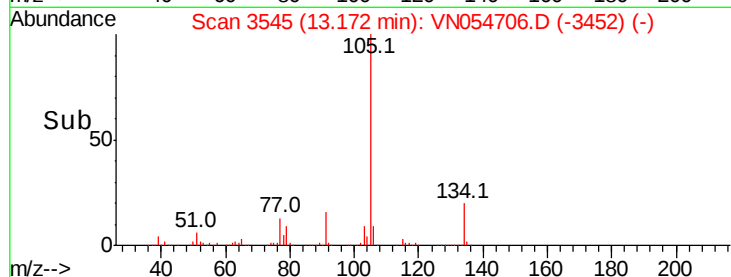
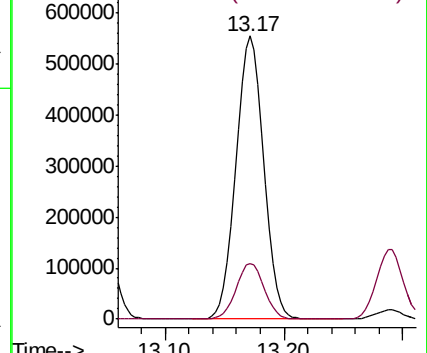
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.916 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054706.D

Acq: 26 Mar 2019 19:33

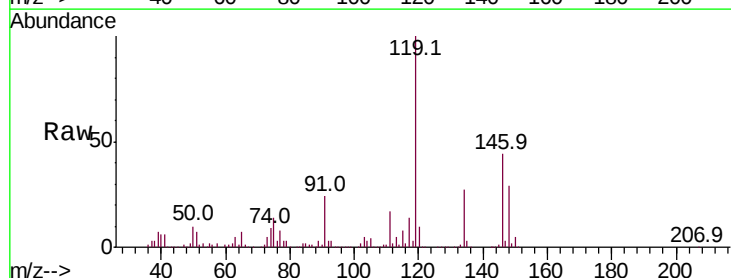
Tgt Ion:119 Resp: 784951

Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.8

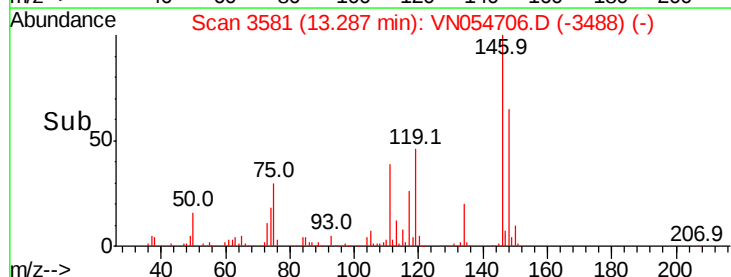
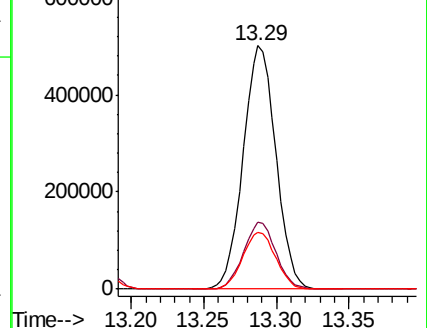
91 23.6 11.1 33.3

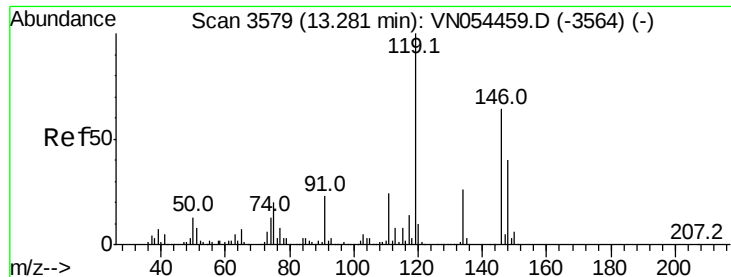


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





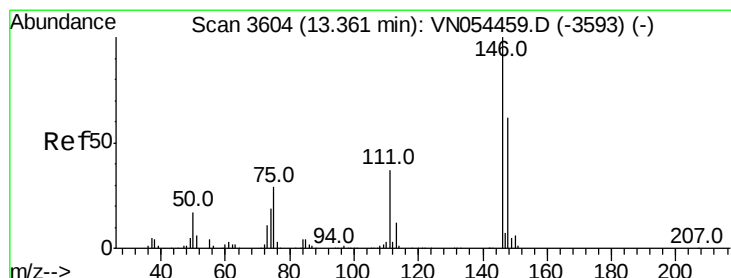
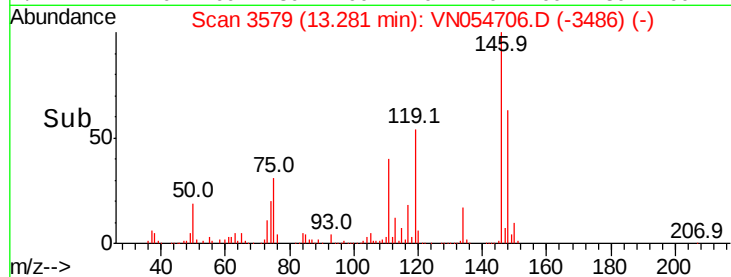
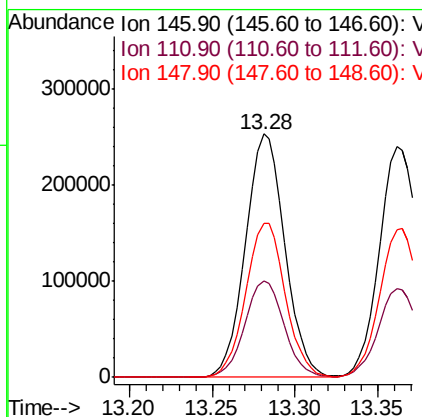
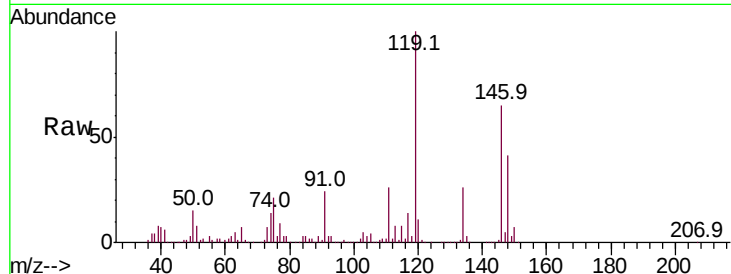
#87
 1,3-Dichlorobenzene
 Concen: 50.508 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054706.D
 Acq: 26 Mar 2019 19:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.8	56.3
148	63.7	32.2	96.6

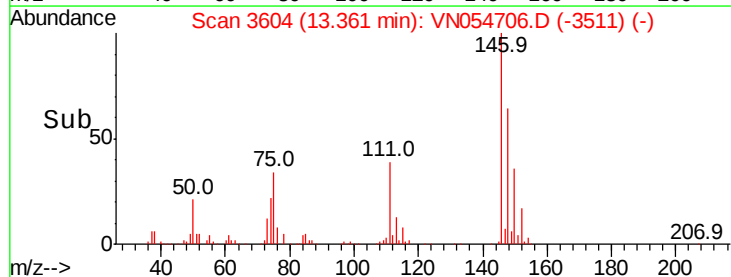
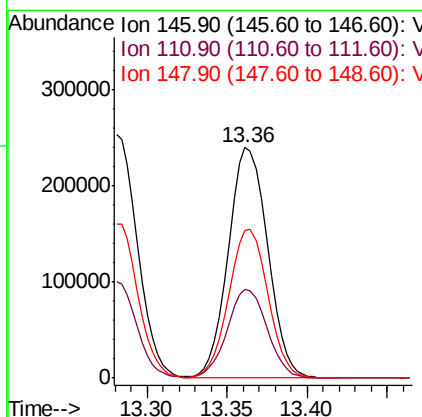
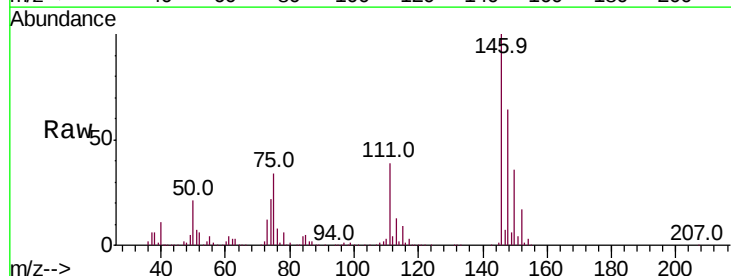
Manual Integrations
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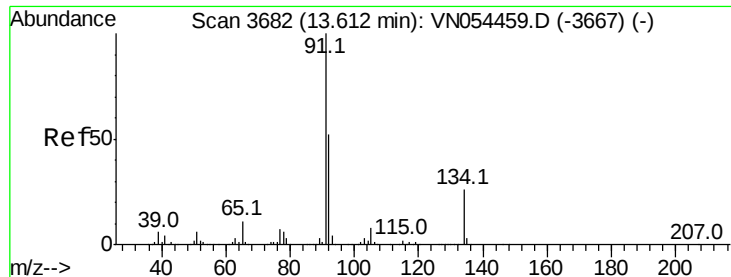
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 49.792 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054706.D
 Acq: 26 Mar 2019 19:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.1	54.1
148	64.4	32.0	96.0





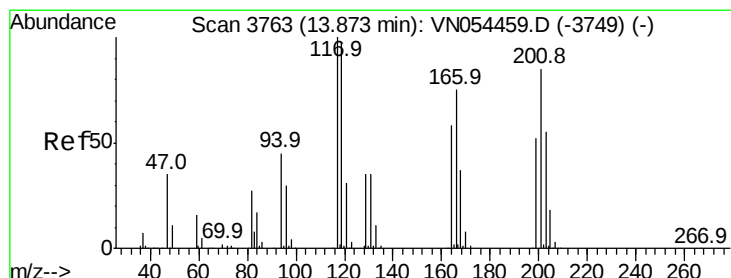
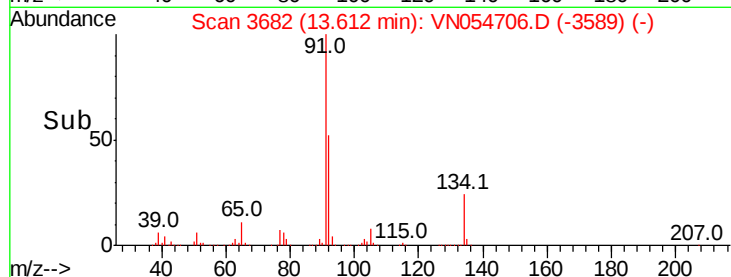
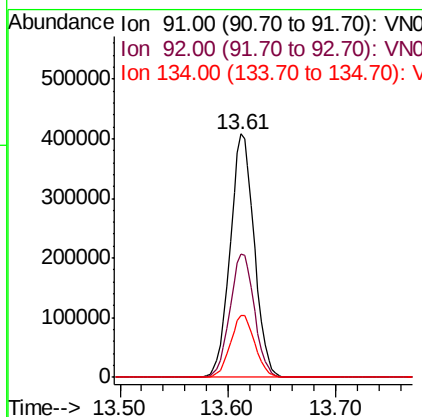
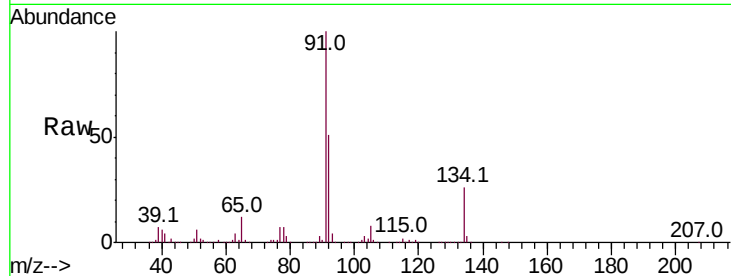
#89
n-Butylbenzene
Concen: 50.455 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.2	78.6
134	25.9	14.3	42.9

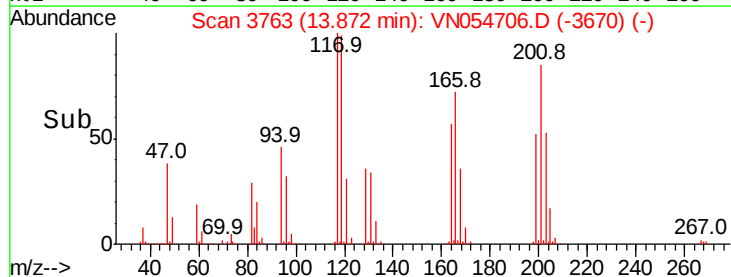
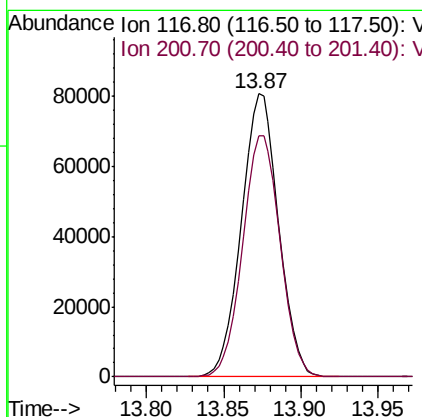
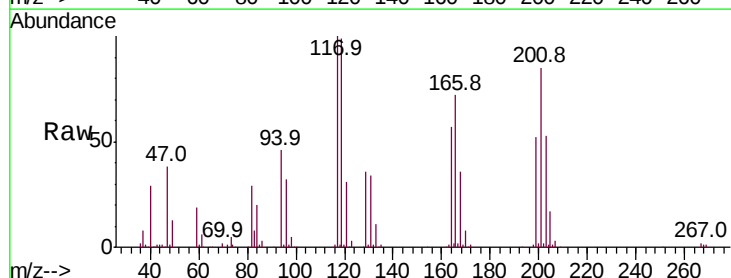
Manual Integrations
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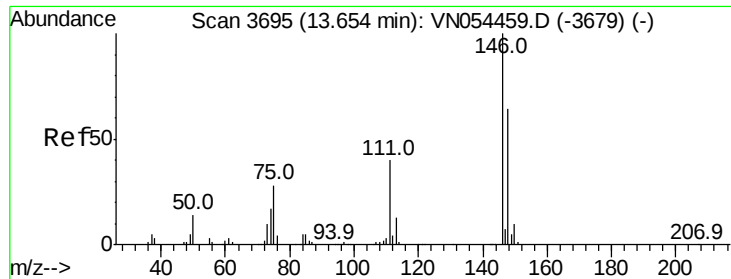
MMDadoda
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#90
Hexachloroethane
Concen: 54.183 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	48.1	144.4





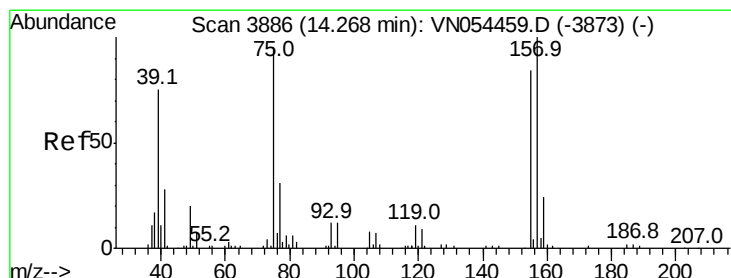
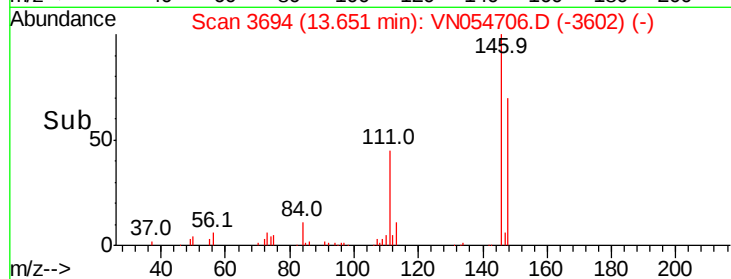
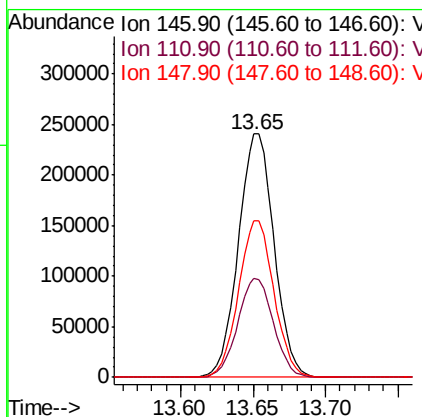
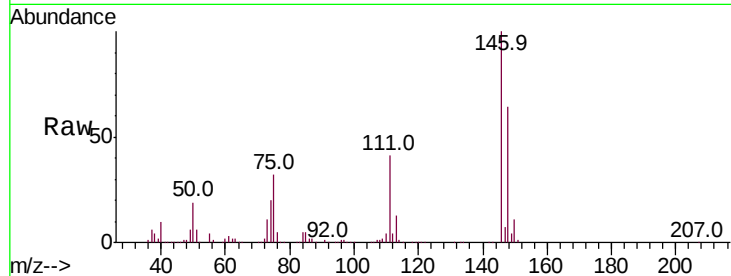
#91
 1,2-Dichlorobenzene
 Concen: 51.311 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054706.D
 Acq: 26 Mar 2019 19:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.1	57.3
148	63.7	32.4	97.0

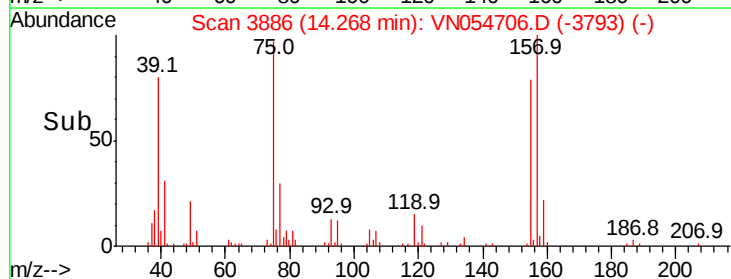
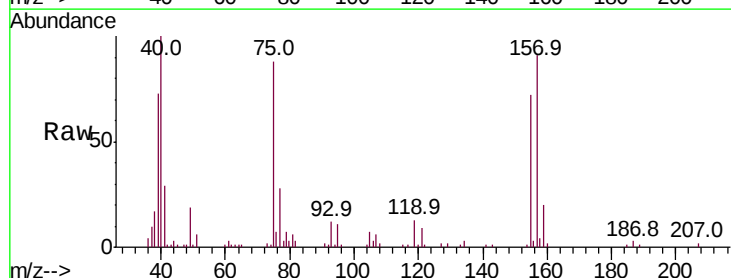
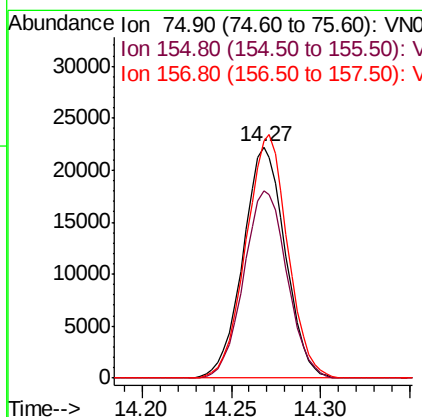
Manual Integrations
 APPROVED

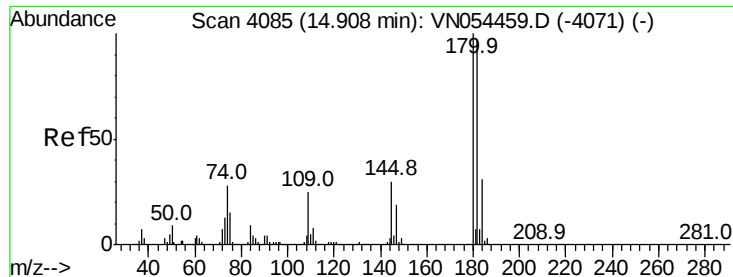
MMDadoda
 3/27/2019 9:10:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.265 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054706.D
 Acq: 26 Mar 2019 19:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	50.1	150.3
157	104.5	63.1	189.3





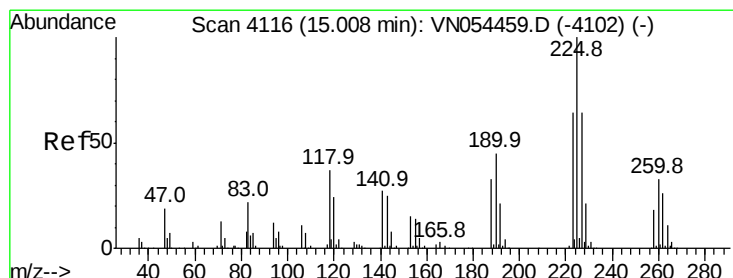
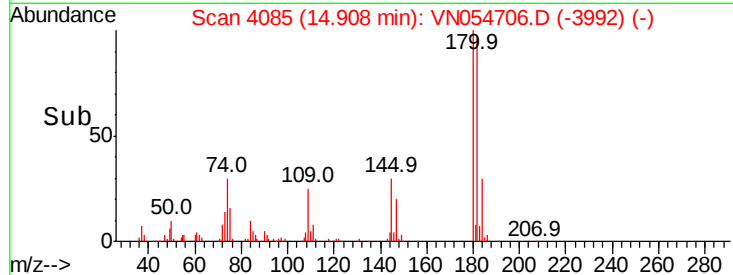
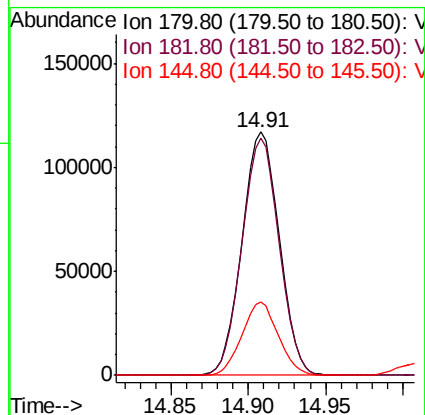
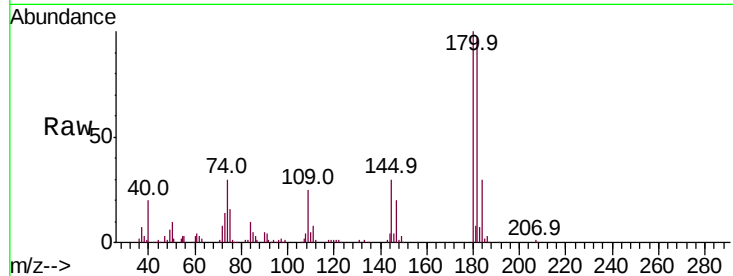
#93
 1,2,4-Trichlorobenzene
 Concen: 49.109 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054706.D
 Acq: 26 Mar 2019 19:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	196557
Ion Ratio	Lower	Upper	
180	100		
182	97.0	48.0	144.2
145	29.4	14.2	42.8

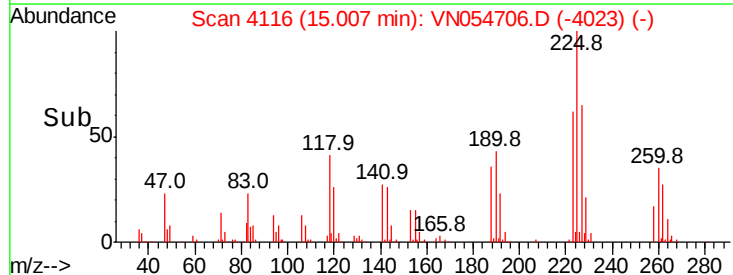
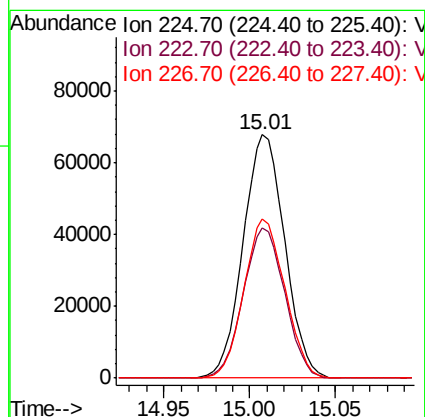
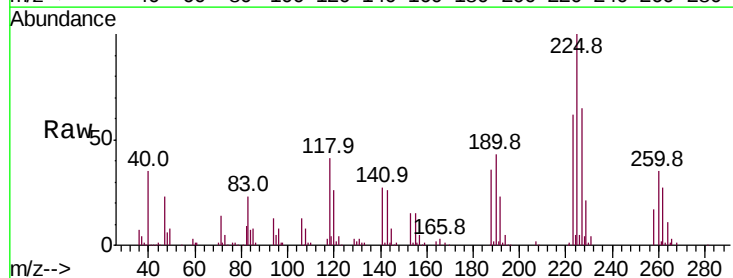
Manual Integrations
 APPROVED

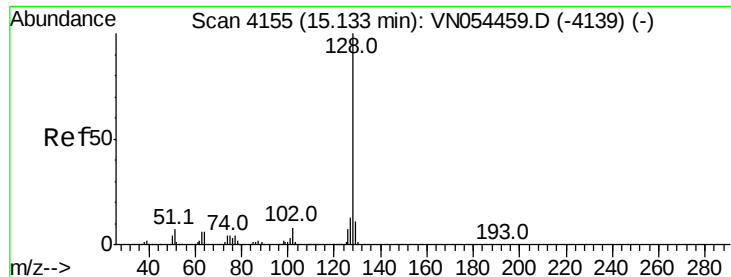
MMDadoda
 3/27/2019 9:10:25 AM



#94
 Hexachlorobutadiene
 Concen: 50.838 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054706.D
 Acq: 26 Mar 2019 19:33

Tgt Ion:	225	Resp:	114231
Ion Ratio	Lower	Upper	
225	100		
223	61.5	31.1	93.5
227	64.0	31.9	95.9





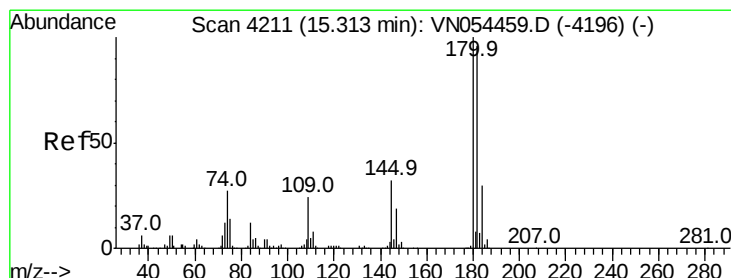
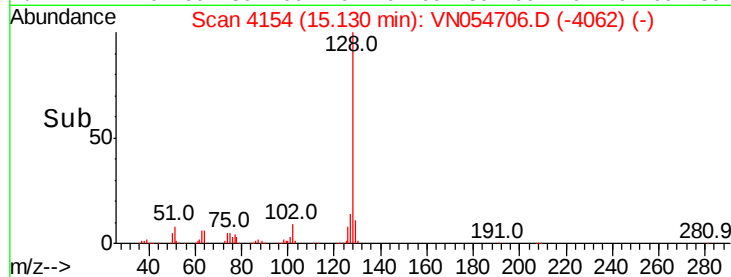
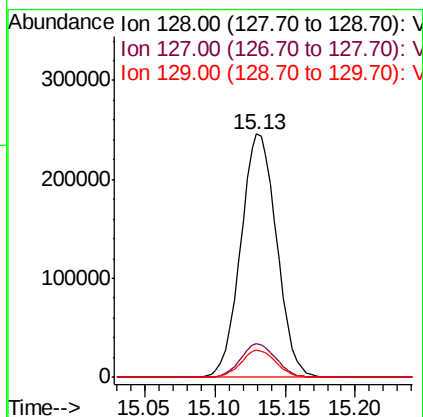
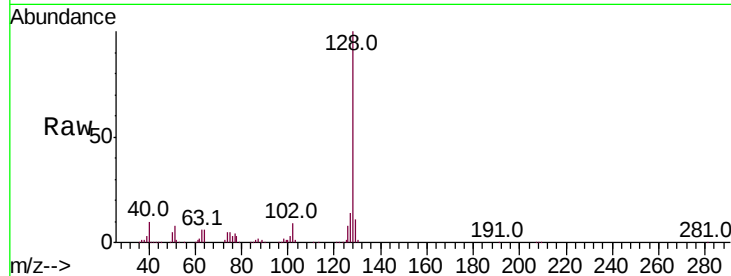
#95
Naphthalene
Concen: 49.132 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/27/2019 9:10:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.784 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054706.D
Acq: 26 Mar 2019 19:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.5	142.6
145	31.1	14.8	44.3

