

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040519\
 Data File : VN054968.D
 Acq On : 5 Apr 2019 12:12
 Operator : JC/SP
 Sample : VN0405WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 3:34:08 AM

Quant Time: Apr 06 00:49:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	421422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	706734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	616679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	253754	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	294418	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
35) Dibromofluoromethane	7.59	113	239118	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
50) Toluene-d8	10.09	98	894815	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.40	95	288336	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	106369	21.108	ug/l	99
3) Chloromethane	2.06	50	135939	20.403	ug/l	100
4) Vinyl Chloride	2.19	62	117438	20.174	ug/l	99
5) Bromomethane	2.58	94	65446	19.695	ug/l	99
6) Chloroethane	2.71	64	63956	19.699	ug/l	99
7) Trichlorofluoromethane	3.02	101	144155	20.395	ug/l	98
8) Diethyl Ether	3.42	74	46383	20.605	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	75996	20.294	ug/l	99
10) Methyl Iodide	3.95	142	107009	20.272	ug/l #	96
11) Tert butyl alcohol	4.82	59	28865	100.671	ug/l	100
12) 1,1-Dichloroethene	3.73	96	73754	19.855	ug/l	94
13) Acrolein	3.61	56	40484	95.787	ug/l	100
14) Allyl chloride	4.32	41	170851	20.723	ug/l	99
15) Acrylonitrile	5.00	53	174033	101.217	ug/l	99
16) Acetone	3.82	43	132875	80.847	ug/l	100
17) Carbon Disulfide	4.05	76	232032	19.623	ug/l	99
18) Methyl Acetate	4.33	43	76360	20.187	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	241581	20.050	ug/l	99
20) Methylene Chloride	4.55	84	102579	19.892	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	95025	20.482	ug/l	98
22) Diisopropyl ether	5.96	45	353451	20.874	ug/l	99
23) Vinyl Acetate	5.90	43	1203332	102.131	ug/l	99
24) 1,1-Dichloroethane	5.85	63	189893	20.565	ug/l	100
25) 2-Butanone	6.85	43	213938	102.541	ug/l	98
26) 2,2-Dichloropropane	6.82	77	127767	19.738	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	107716	20.467	ug/l	99
28) Bromochloromethane	7.19	49	84728	19.587	ug/l	98
29) Tetrahydrofuran	7.22	42	138134	101.011	ug/l	99
30) Chloroform	7.37	83	181593	20.751	ug/l	99
31) Cyclohexane	7.65	56	183289	20.009	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	150072	20.322	ug/l	99
36) 1,1-Dichloropropene	7.79	75	133748	19.100	ug/l	99
37) Ethyl Acetate	6.94	43	85173	17.724	ug/l	97
38) Carbon Tetrachloride	7.77	117	127924	18.916	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	153332	19.903	ug/l	99
40) Benzene	8.04	78	405195	20.109	ug/l	97
41) Methacrylonitrile	7.18	41	52326	19.043	ug/l	95
42) 1,2-Dichloroethane	8.13	62	138826	19.607	ug/l	98
43) Isopropyl Acetate	8.17	43	158486	19.568	ug/l	99
44) Trichloroethene	8.84	130	102734	19.940	ug/l	99
45) 1,2-Dichloropropane	9.12	63	114006	20.306	ug/l	97
46) Dibromomethane	9.21	93	62688	19.690	ug/l	99
47) Bromodichloromethane	9.40	83	133488	19.962	ug/l	99
48) Methyl methacrylate	9.20	41	80984	19.752	ug/l	96
49) 1,4-Dioxane	9.20	88	17050	412.009	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	450076	99.615	ug/l	99
52) Toluene	10.16	92	241426	20.327	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	120325	18.721	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	151401	20.116	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	85481	19.851	ug/l	98
56) Ethyl methacrylate	10.43	69	108459	19.264	ug/l	98
57) 1,3-Dichloropropane	10.71	76	148891	19.798	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	206469	89.156	ug/l	100
59) 2-Hexanone	10.75	43	278549	98.702	ug/l	100
60) Dibromochloromethane	10.90	129	88359	19.590	ug/l	98
61) 1,2-Dibromoethane	11.00	107	83016	20.504	ug/l	99
64) Tetrachloroethene	10.63	164	98870	19.879	ug/l	99
65) Chlorobenzene	11.43	112	254851	20.275	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	94937	20.629	ug/l	99
67) Ethyl Benzene	11.51	91	452984	19.987	ug/l	98
68) m/p-Xylenes	11.62	106	331089	39.963	ug/l	99
69) o-Xylene	11.95	106	164641	20.373	ug/l	99
70) Styrene	11.96	104	262831	20.277	ug/l	99
71) Bromoform	12.12	173	51602	18.654	ug/l #	97
73) Isopropylbenzene	12.25	105	434850	20.286	ug/l	99
74) N-amyl acetate	12.07	43	120698	20.257	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	104143	20.768	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	90186m	20.938	ug/l	
77) Bromobenzene	12.53	156	102852	19.813	ug/l	96
78) n-propylbenzene	12.59	91	477446	20.216	ug/l	100
79) 2-Chlorotoluene	12.67	91	292894	20.011	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	357130	20.286	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19909	18.123	ug/l	89
82) 4-Chlorotoluene	12.77	91	280094	20.232	ug/l	99
83) tert-Butylbenzene	12.99	119	304233	20.315	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	349439	20.516	ug/l	99
85) sec-Butylbenzene	13.17	105	390413	20.155	ug/l	100
86) p-Isopropyltoluene	13.29	119	342665	20.531	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	174963	20.261	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	163489	19.887	ug/l	96
89) n-Butylbenzene	13.61	91	267706	20.071	ug/l	98
90) Hexachloroethane	13.87	117	55218	19.696	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	172674	20.367	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13866	18.898	ug/l	100

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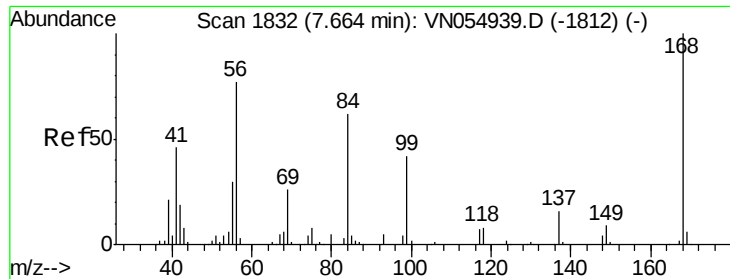
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	76407	18.861	ug/l	97
94) Hexachlorobutadiene	15.01	225	54264	19.131	ug/l	98
95) Naphthalene	15.13	128	157468	18.322	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	74064	19.023	ug/l	98

(#) = 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: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBSD01

Tot Ion:168 Resp: 421422

Ion Ratio Lower Upper

168 100

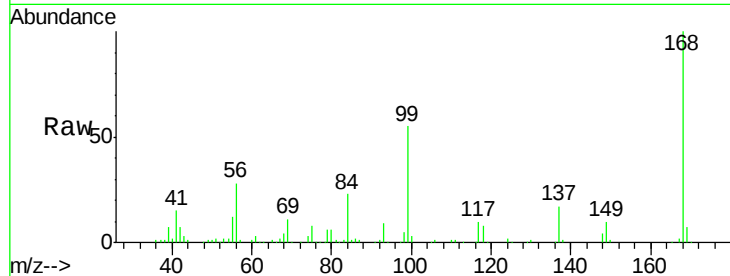
99 53.4 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

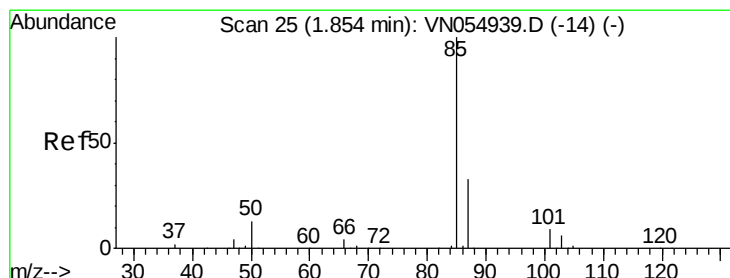
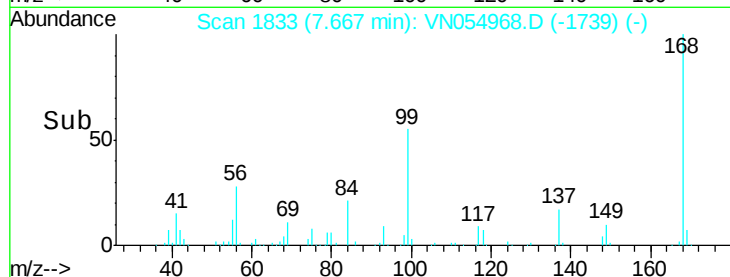
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 21.108 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054968.D

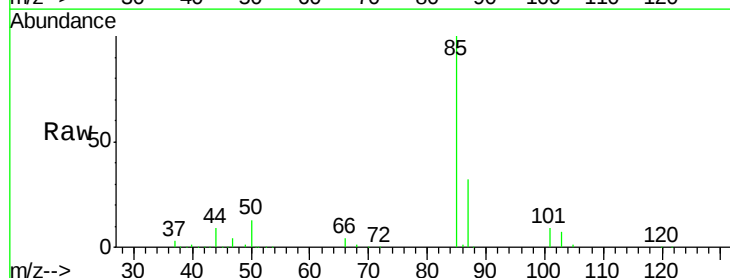
Acq: 5 Apr 2019 12:12

Tgt Ion: 85 Resp: 106369

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

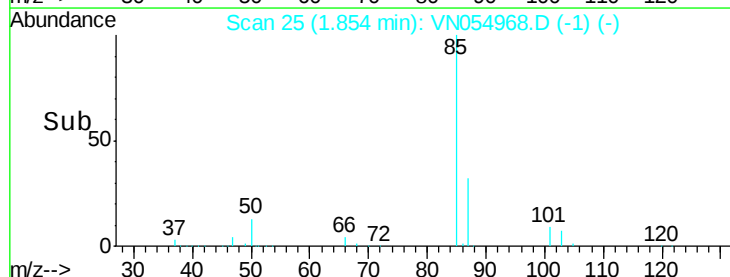
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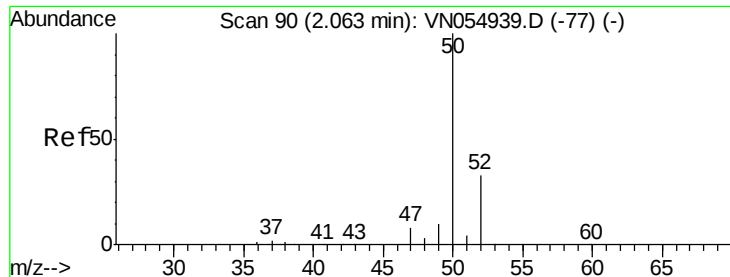
40000

20000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 20.403 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBSD01

Tot Ion: 50 Resp: 135939

Ion Ratio Lower Upper

50 100

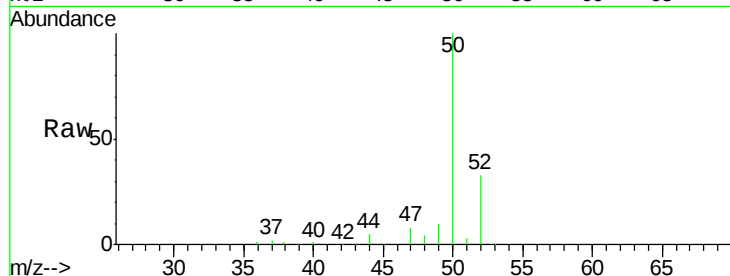
52 32.8 26.2 39.4

Manual Integrations

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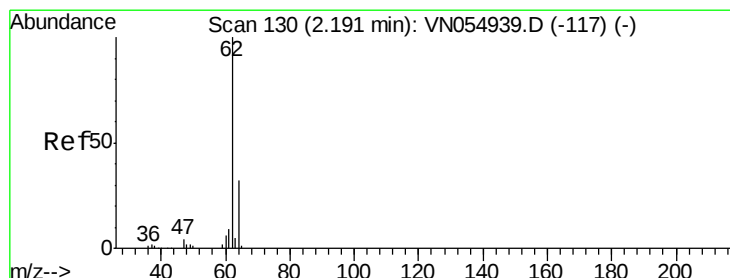
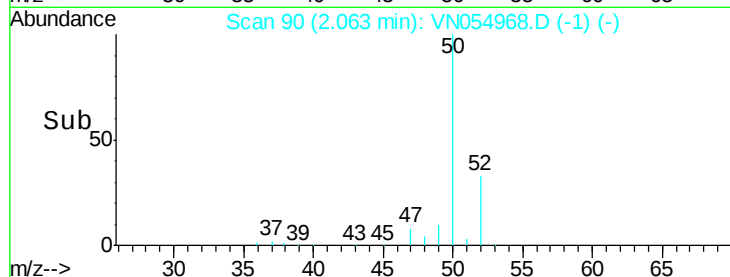
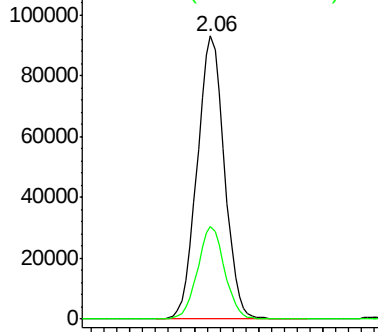
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.174 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054968.D

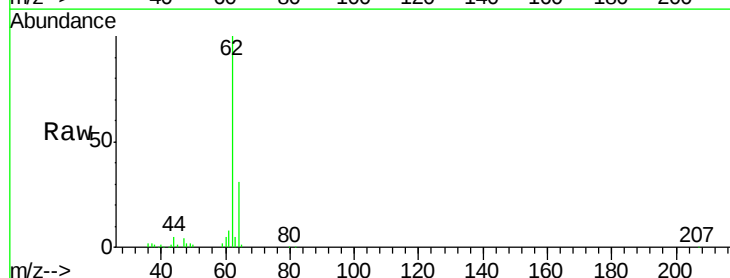
Acq: 5 Apr 2019 12:12

Tgt Ion: 62 Resp: 117438

Ion Ratio Lower Upper

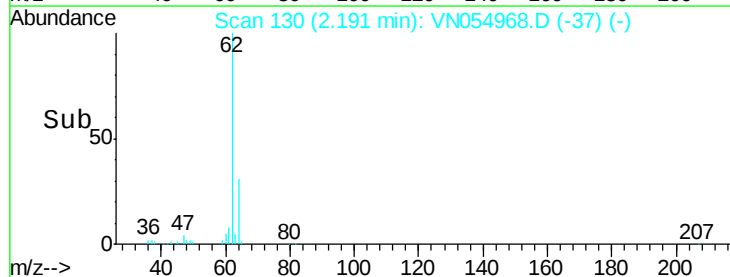
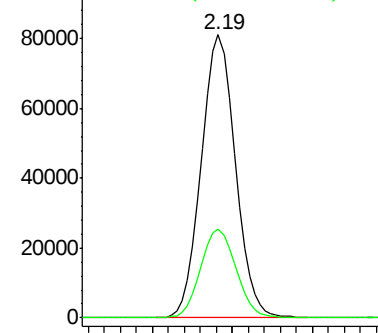
62 100

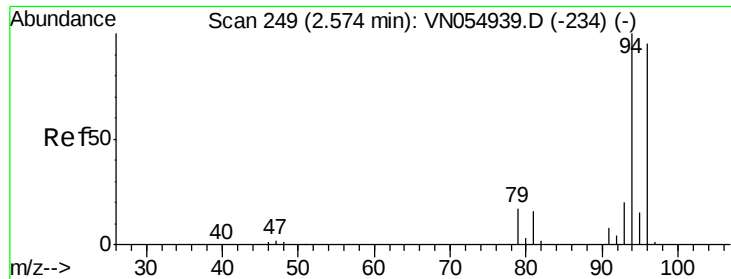
64 31.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.695 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBSD01

Tot Ion: 94 Resp: 65446

Ion Ratio Lower Upper

94 100

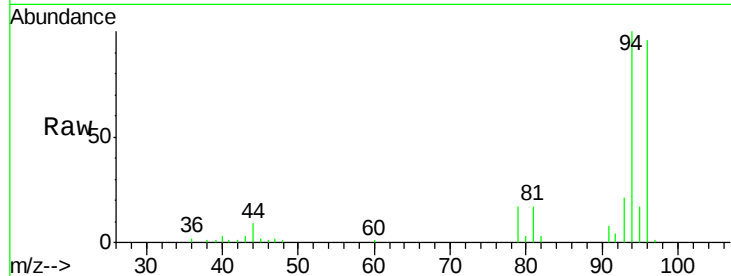
96 95.9 75.7 113.5

Manual Integrations

APPROVED

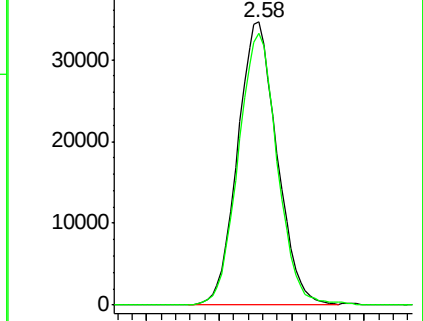
MMDadoda

4/8/2019 3:34:08 AM

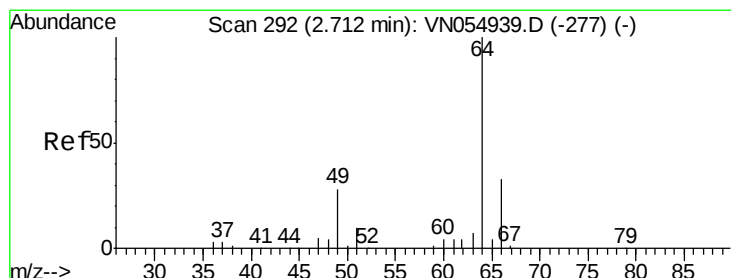
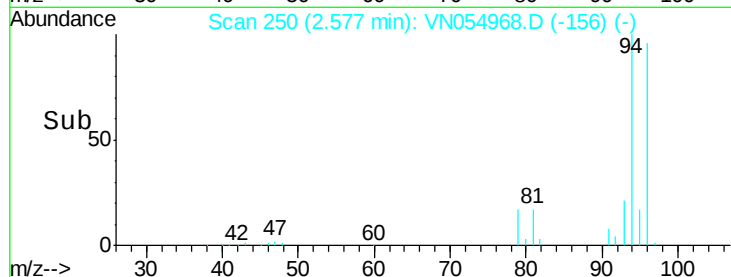


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 19.699 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054968.D

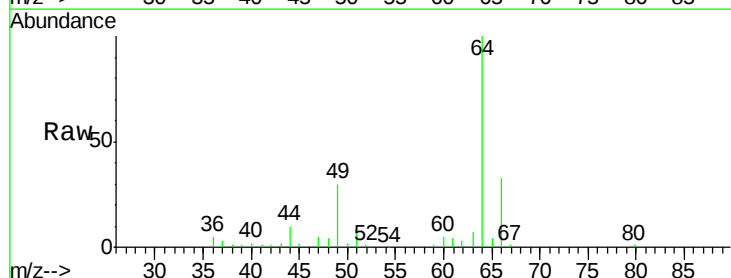
Acq: 5 Apr 2019 12:12

Tgt Ion: 64 Resp: 63956

Ion Ratio Lower Upper

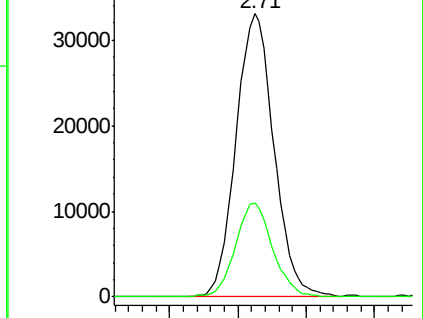
64 100

66 33.4 26.2 39.4

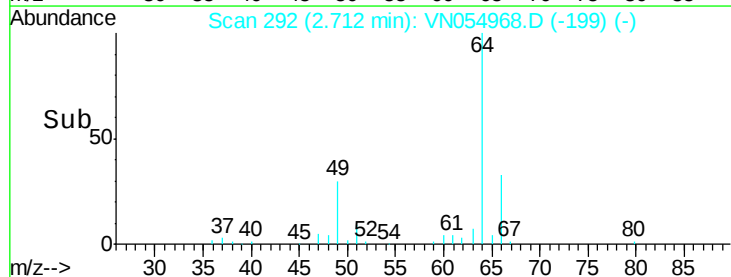


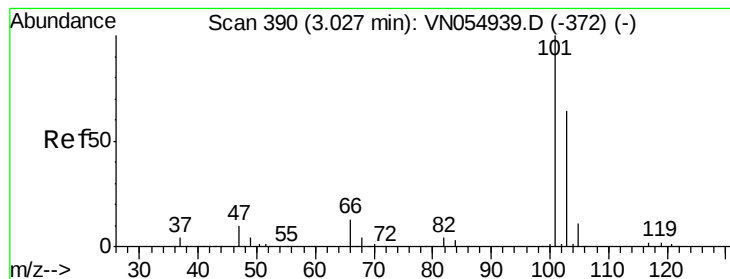
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

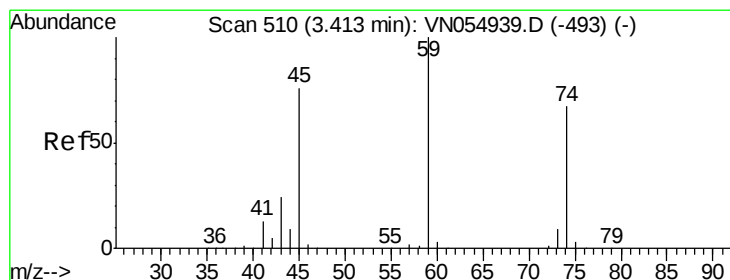
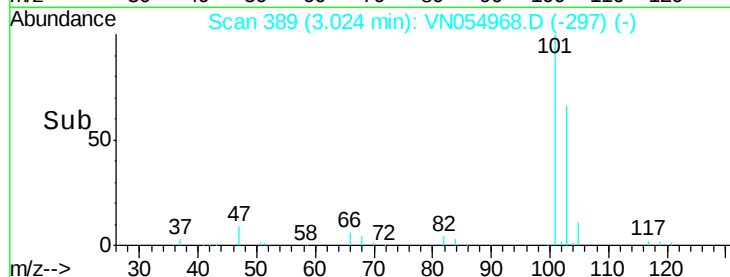
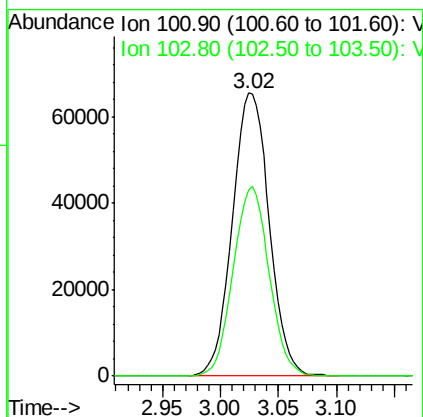
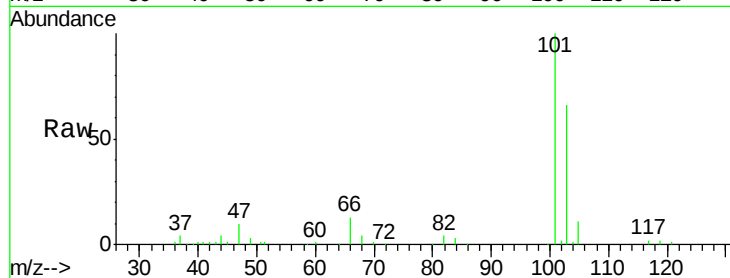
Trichlorofluoromethane
Concen: 20.395 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.3	76.9

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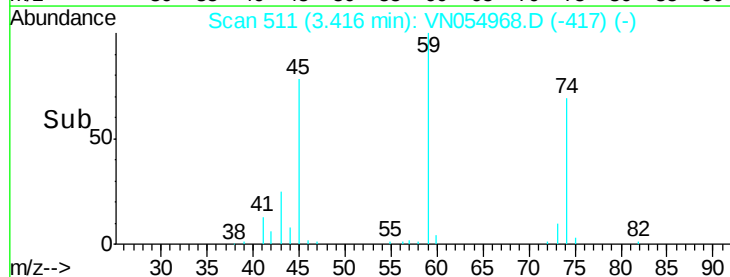
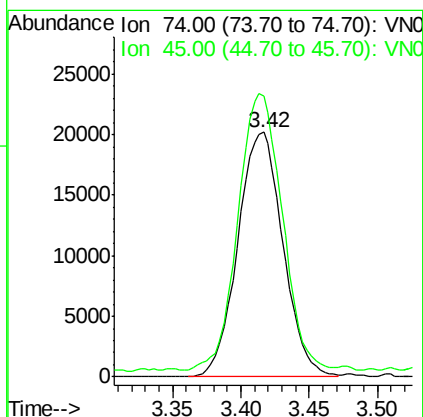
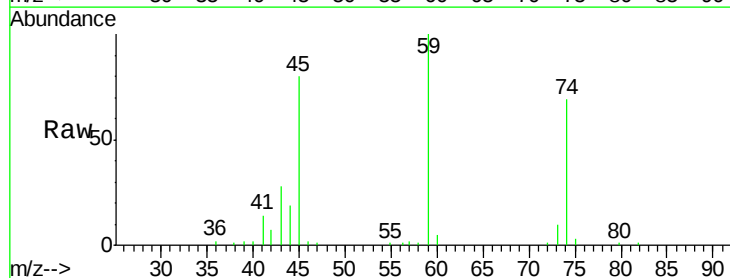
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4/8/2019 3:34:08 AM

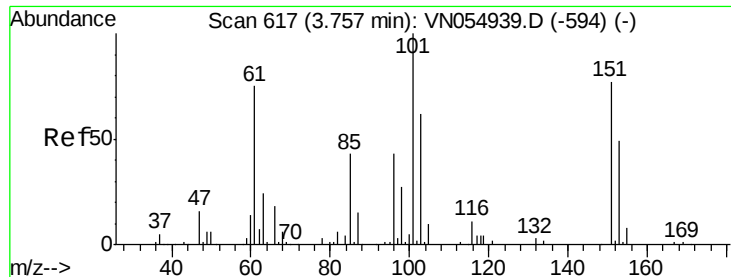


#8

Diethyl Ether
Concen: 20.605 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.8	56.3	168.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.294 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

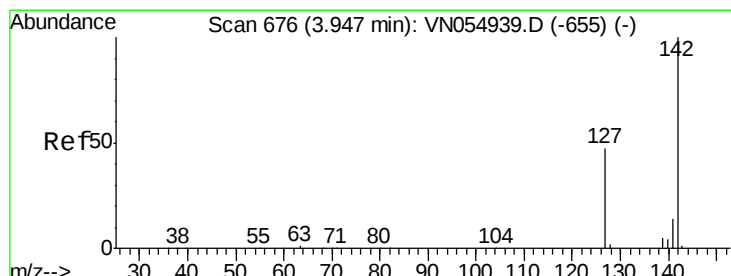
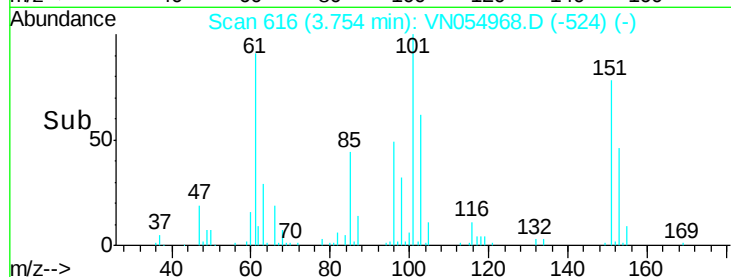
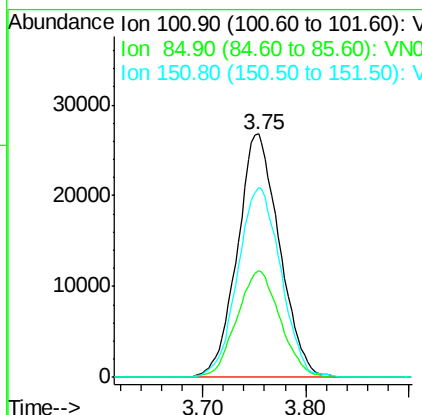
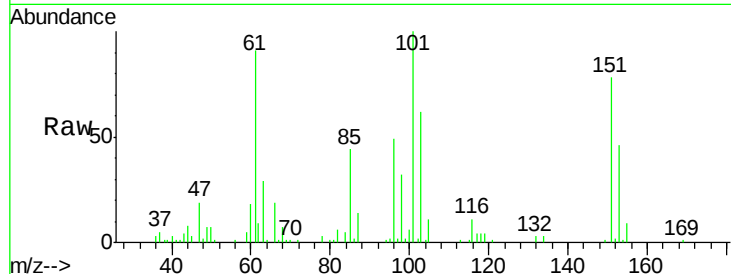
ClientSampled :

VN0405WBSD01

Tot Ion:	101	Resp:	75996
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.2	54.2
151	79.8	63.4	95.0

Manual Integrations
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#10

Methyl Iodide

Concen: 20.272 ug/l

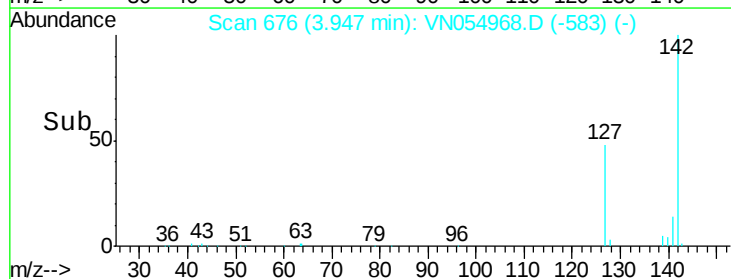
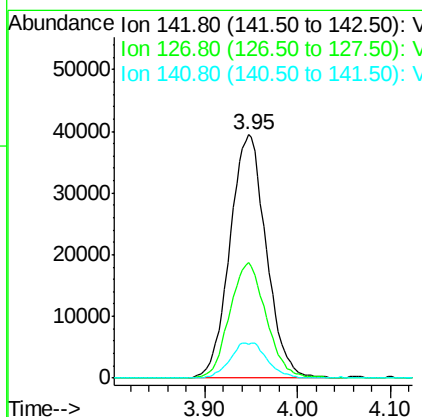
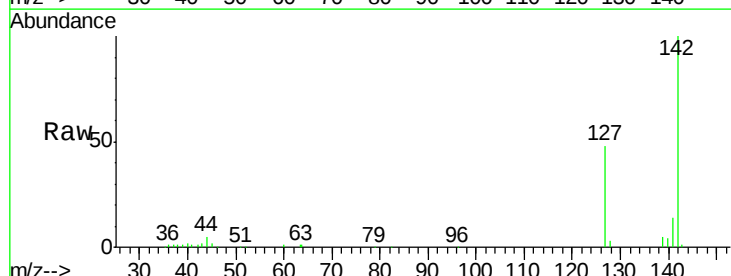
RT: 3.95 min Scan# 676

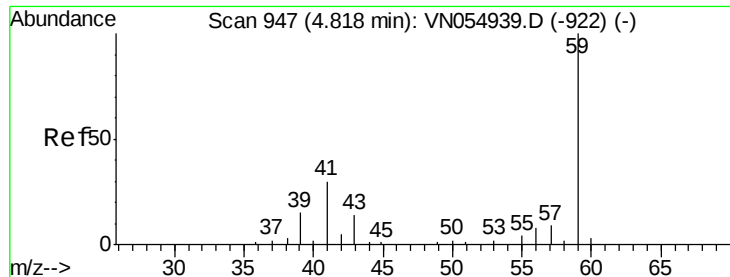
Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Tgt Ion:	142	Resp:	107009
Ion Ratio	Lower	Upper	
142	100		
127	47.4	38.0	57.0
141	7.8	11.7	17.5#





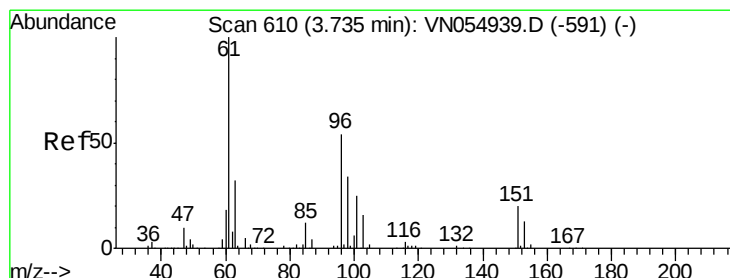
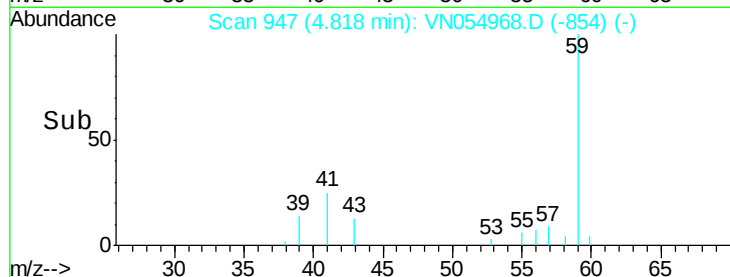
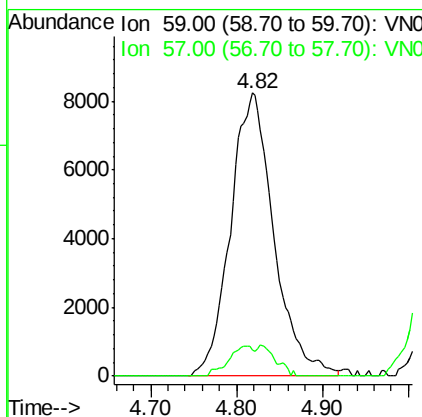
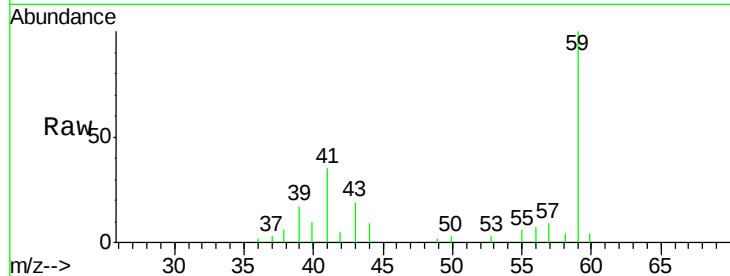
#11
Tert butyl alcohol
Concen: 100.671 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBSD01

Tot Ion: 59 Resp: 28865
Ion Ratio Lower Upper
59 100
57 6.3 5.0 7.4

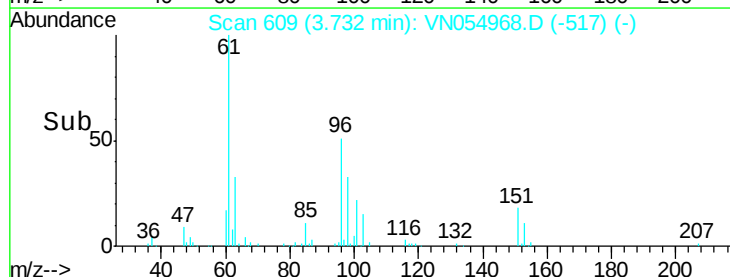
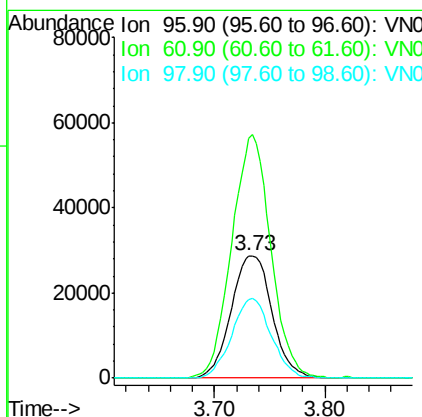
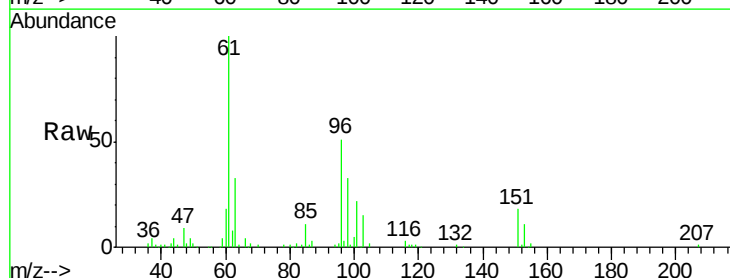
Manual Integrations
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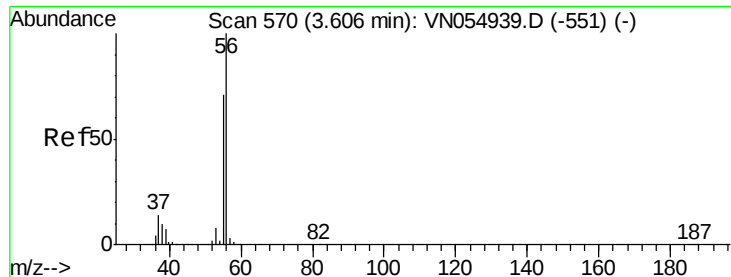
MMDadoda
4/8/2019 3:34:08 AM



#12
1,1-Dichloroethene
Concen: 19.855 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion: 96 Resp: 73754
Ion Ratio Lower Upper
96 100
61 195.6 148.2 222.2
98 64.8 50.2 75.4





#13

Acrolein

Concen: 95.787 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBSD01

Tot Ion: 56 Resp: 40484

Ion Ratio Lower Upper

56 100

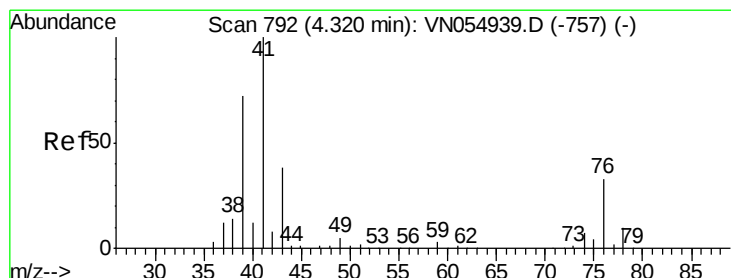
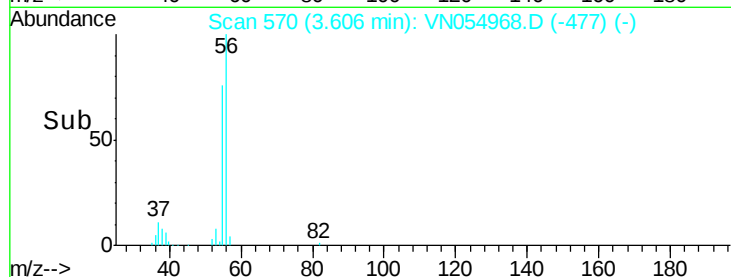
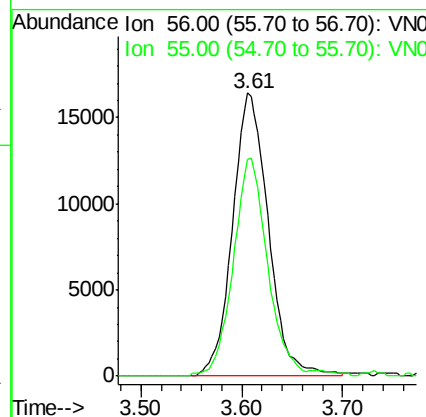
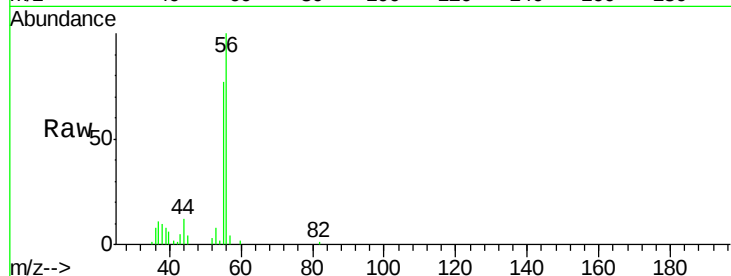
55 73.5 58.6 87.8

Manual Integrations

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#14

Allyl chloride

Concen: 20.723 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

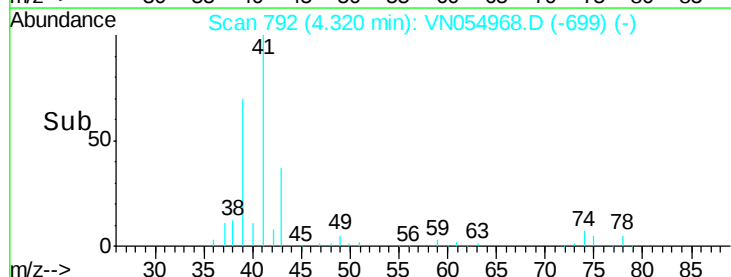
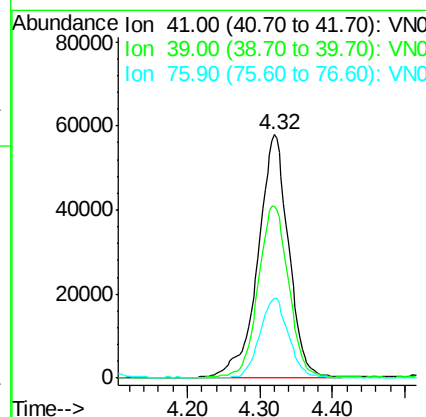
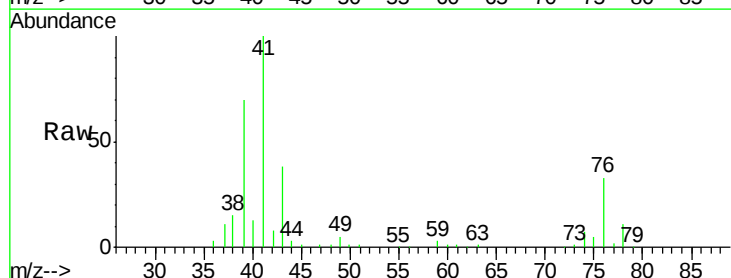
Tgt Ion: 41 Resp: 170851

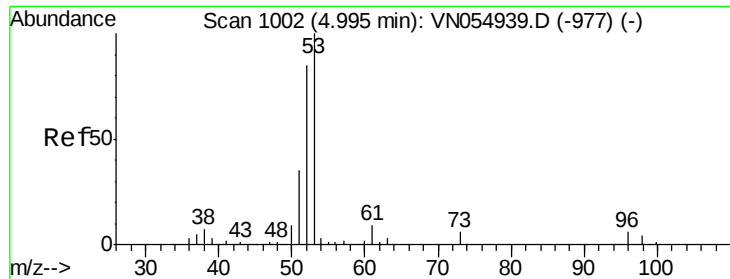
Ion Ratio Lower Upper

41 100

39 69.2 55.4 83.2

76 31.0 23.8 35.8





#15

Acrylonitrile

Concen: 101.217 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

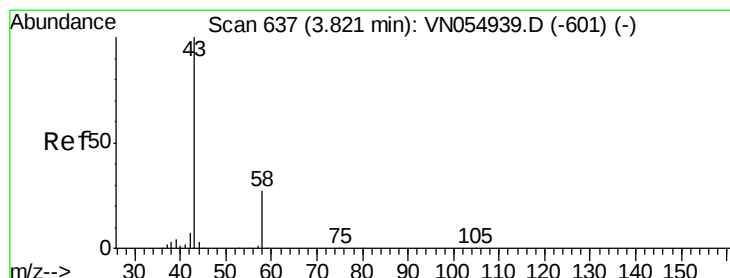
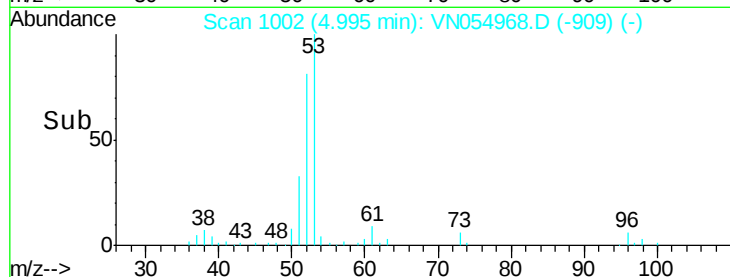
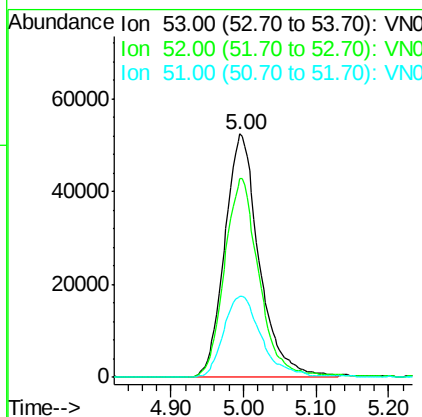
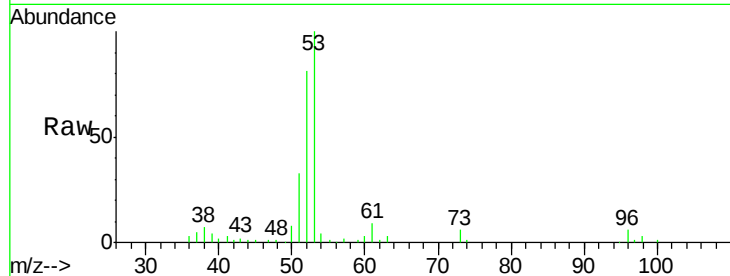
ClientSampleId :

VN0405WBSD01

Tot Ion:	53	Resp:	174033
Ion	Ratio	Lower	Upper
53	100		
52	81.3	66.4	99.6
51	36.7	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 80.847 ug/l

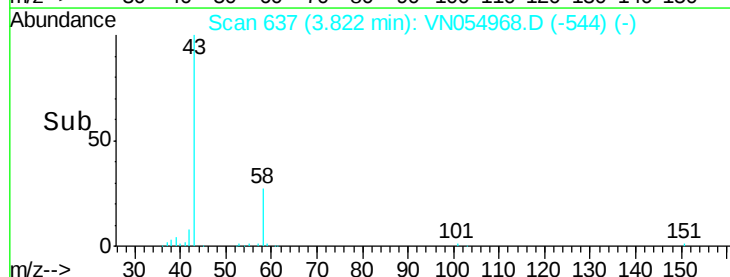
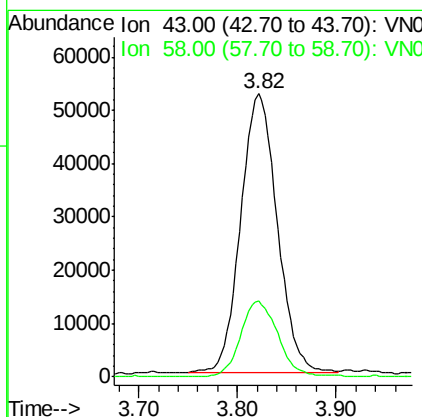
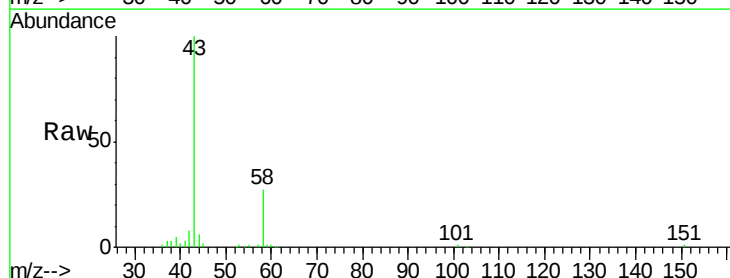
RT: 3.82 min Scan# 637

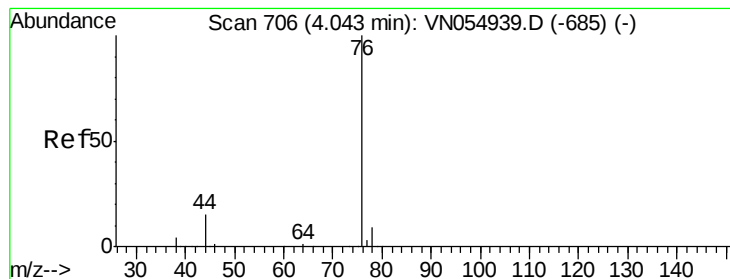
Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Tgt Ion:	43	Resp:	132875
Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.7	32.5





#17

Carbon Disulfide

Concen: 19.623 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBSD01

Tot Ion: 76 Resp: 232032

Ion Ratio Lower Upper

76 100

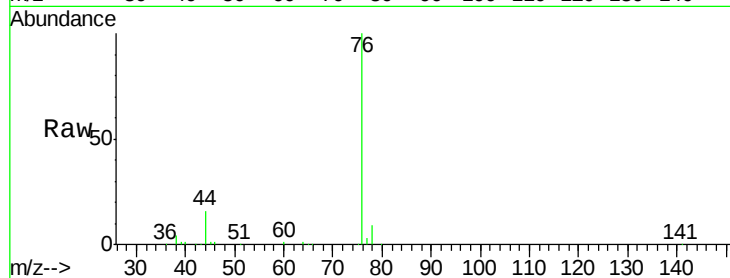
78 9.1 7.1 10.7

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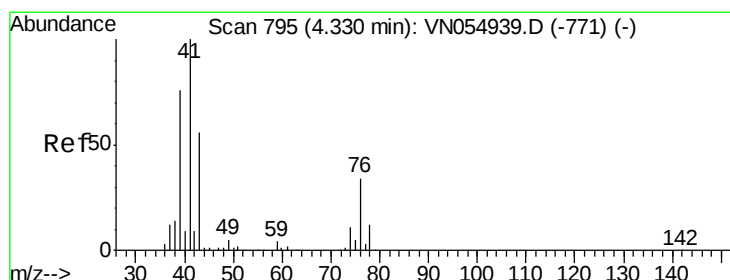
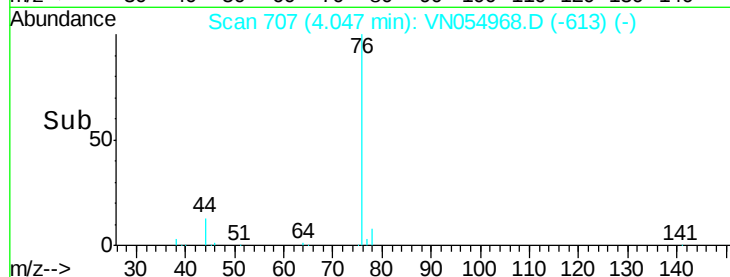
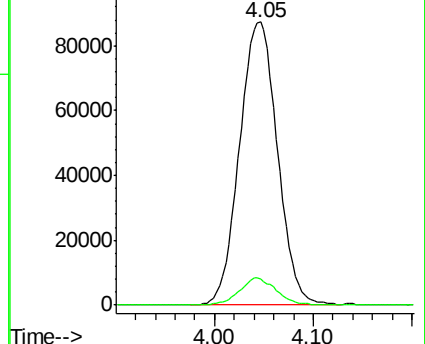
MMDadoda

4/8/2019 3:34:08 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.187 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054968.D

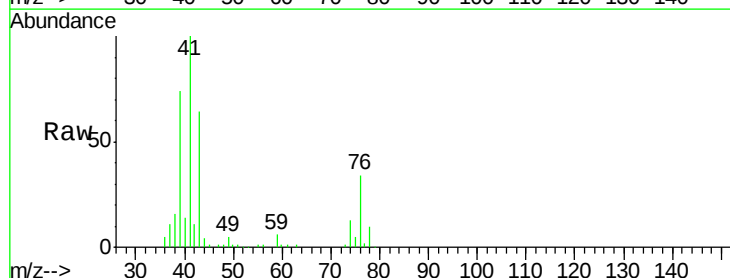
Acq: 5 Apr 2019 12:12

Tgt Ion: 43 Resp: 76360

Ion Ratio Lower Upper

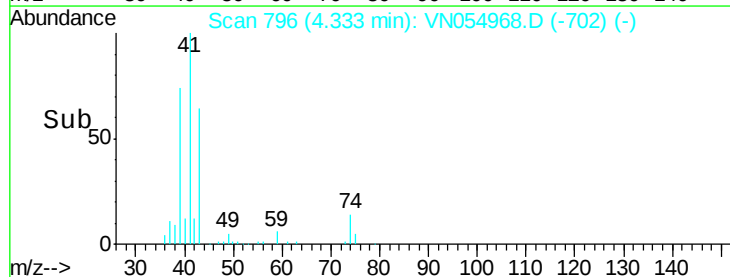
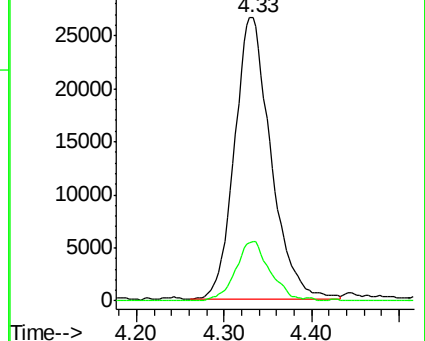
43 100

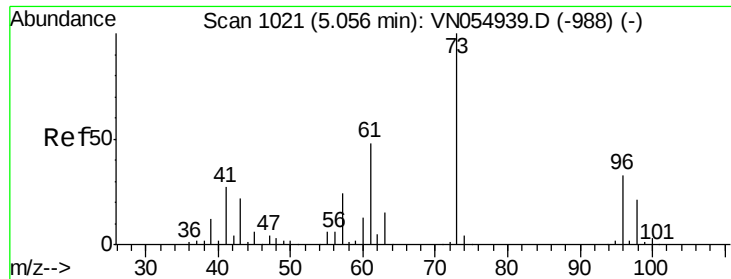
74 20.0 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





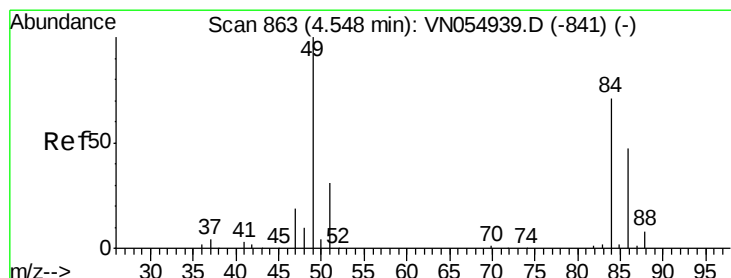
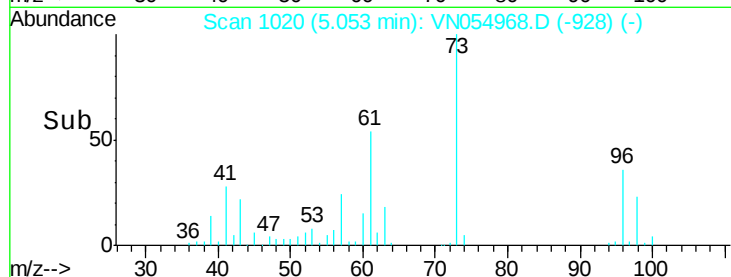
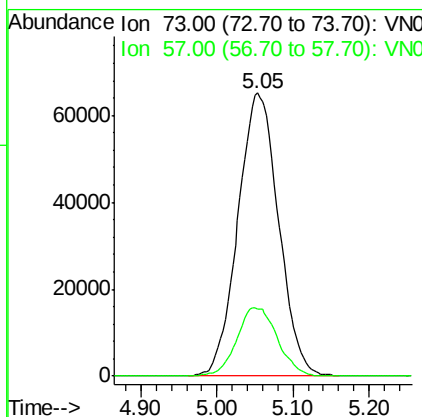
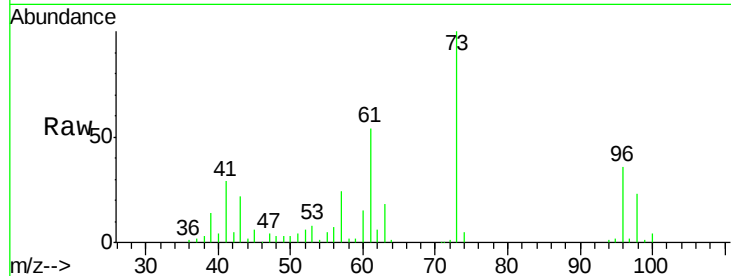
#19
Methvl tert-butvl Ether
Concen: 20.050 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBSD01

Tot Ion: 73 Resp: 241581
Ion Ratio Lower Upper
73 100
57 23.9 19.5 29.3

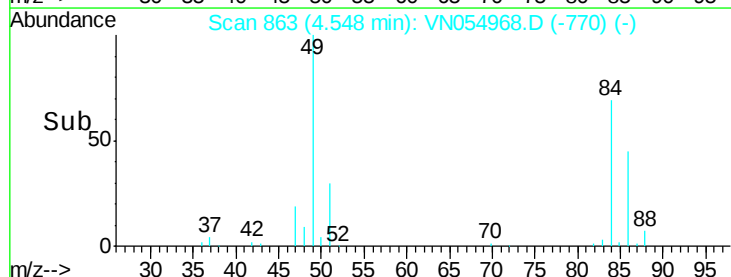
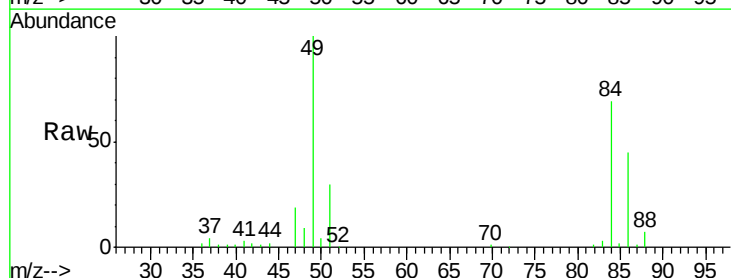
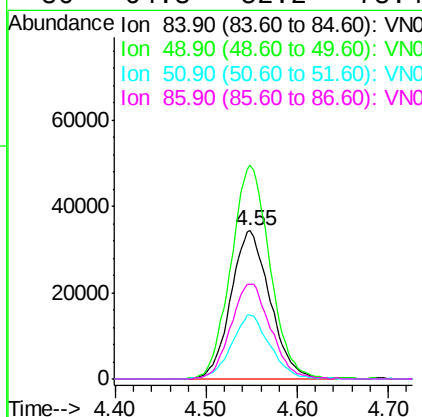
Manual Integrations
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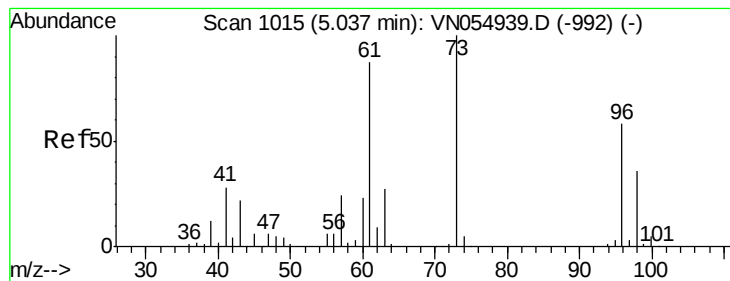
MMDadoda
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#20
Methylene Chloride
Concen: 19.892 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion: 84 Resp: 102579
Ion Ratio Lower Upper
84 100
49 143.3 112.1 168.1
51 43.5 34.5 51.7
86 64.3 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 20.482 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBSD01

Tot Ion: 96 Resp: 95025

Ion Ratio Lower Upper

96 100

61 153.7 120.1 180.1

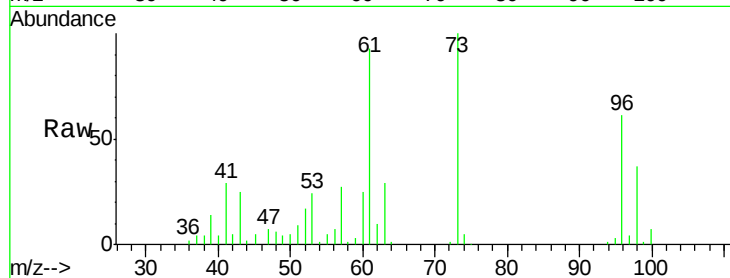
98 60.5 49.3 73.9

Manual Integrations

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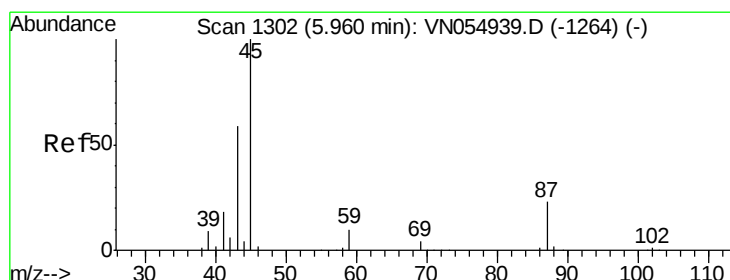
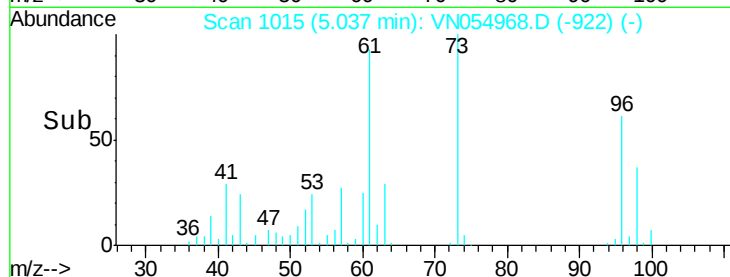
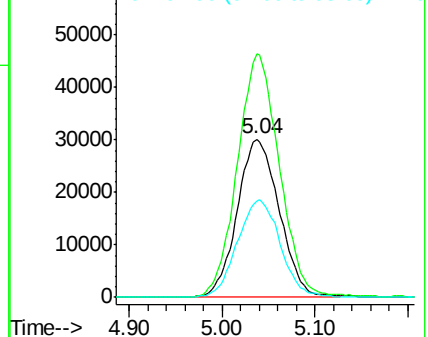


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.874 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Tgt Ion: 45 Resp: 353451

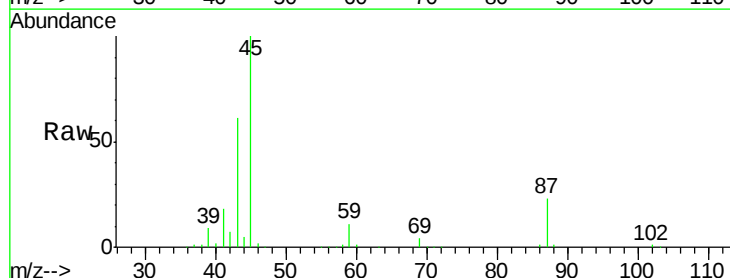
Ion Ratio Lower Upper

45 100

43 59.2 46.9 70.3

87 23.2 18.6 28.0

59 10.9 8.5 12.7



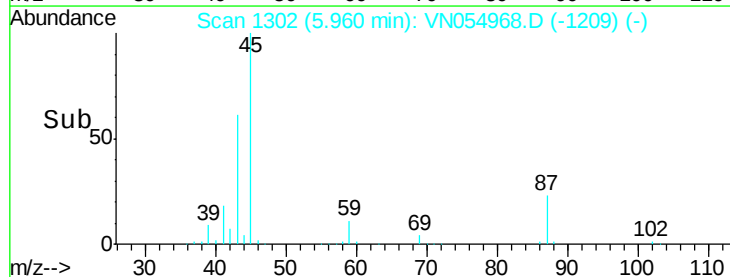
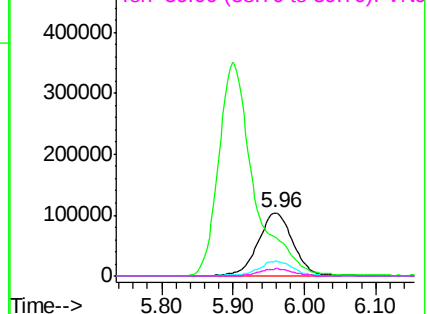
Abundance

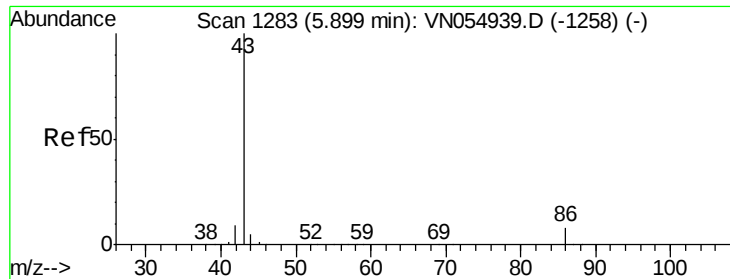
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





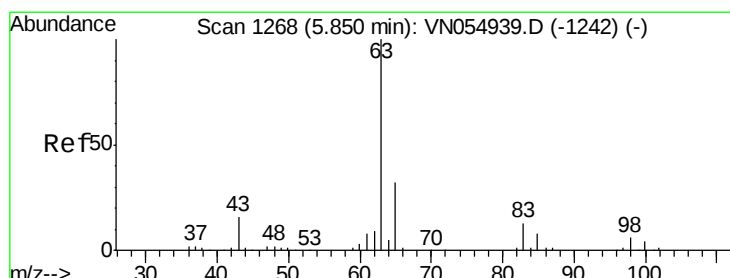
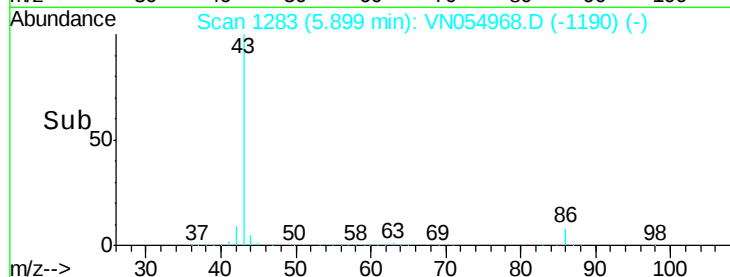
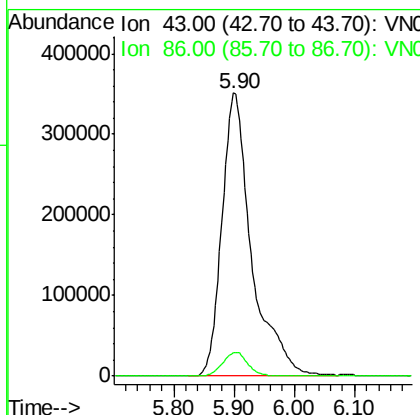
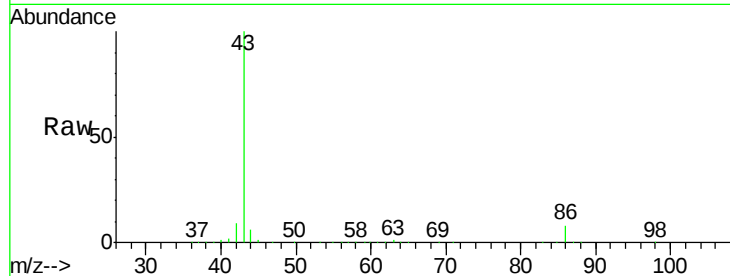
#23
 Vinyl Acetate
 Concen: 102.131 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBSD01

Tot Ion: 43 Resp: 1203332
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.7 10.1

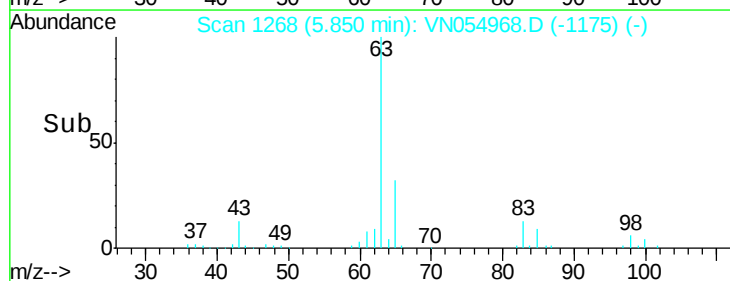
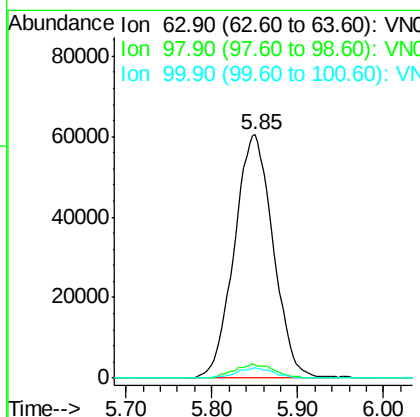
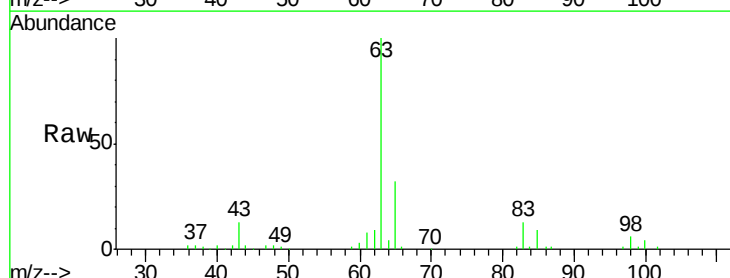
Manual Integrations
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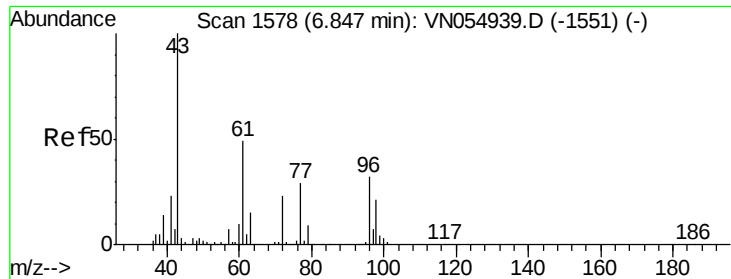
MMDadoda
 4/8/2019 3:34:08 AM



#24
 1,1-Dichloroethane
 Concen: 20.565 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion: 63 Resp: 189893
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.9 8.7
 100 4.2 2.1 6.2





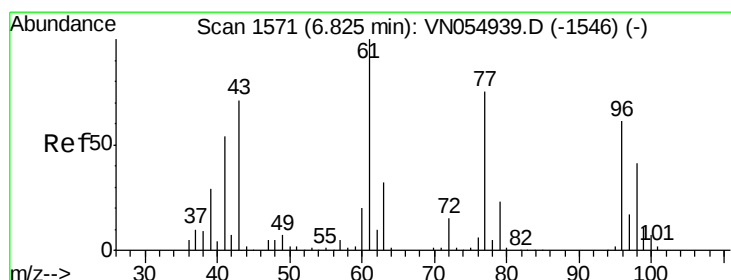
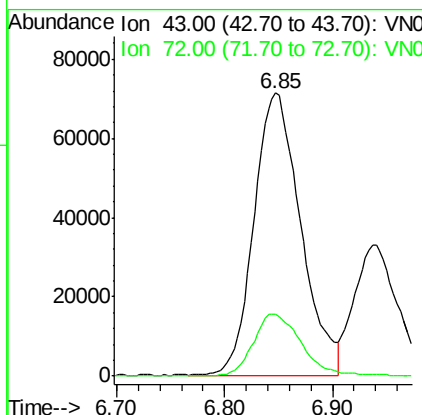
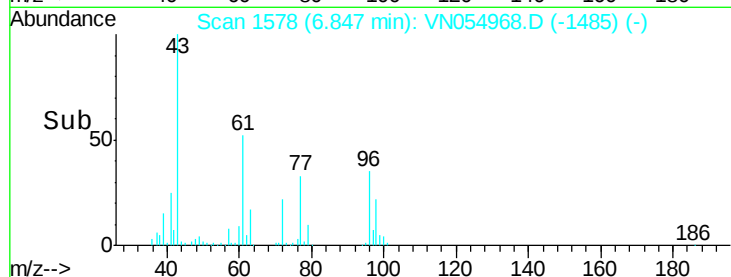
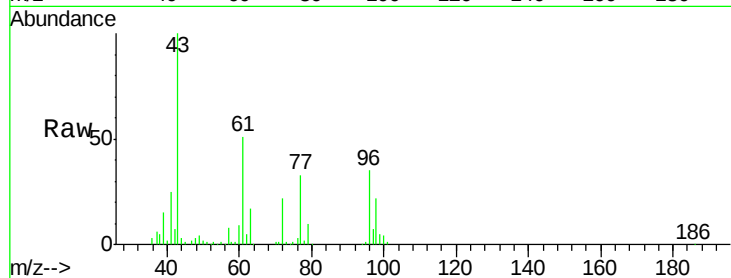
#25
2-Butanone
Concen: 102.541 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBSD01

Tot Ion: 43 Resp: 213938
Ion Ratio Lower Upper
43 100
72 21.8 18.3 27.5

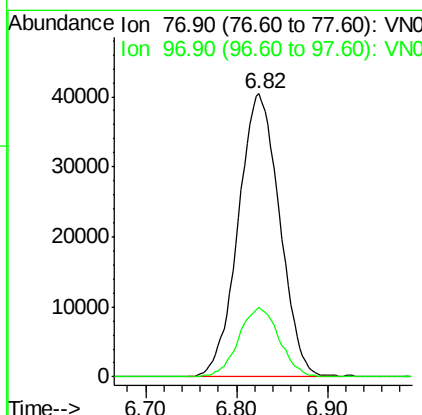
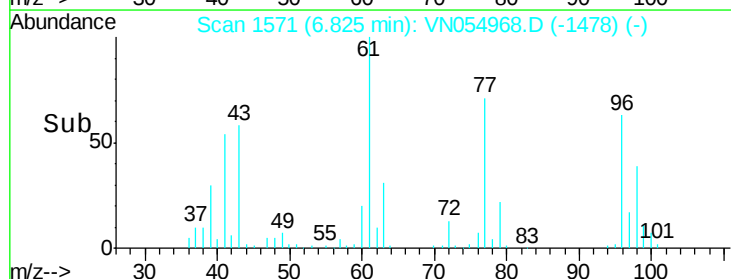
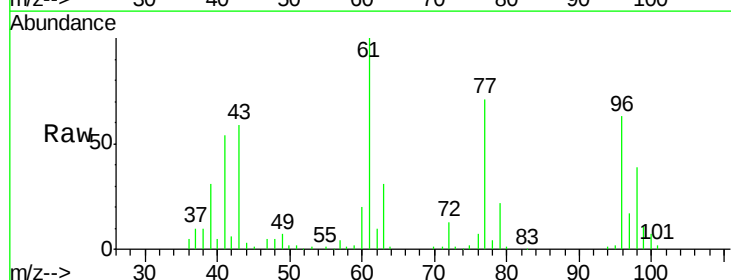
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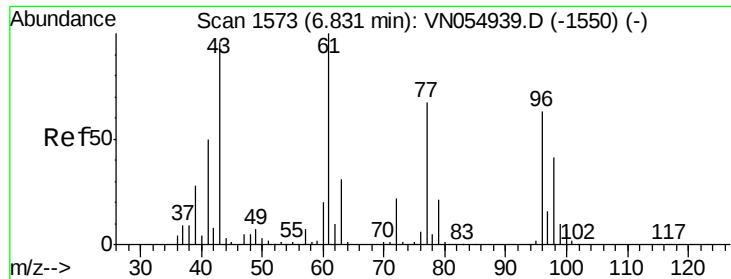
MMDadoda
4/8/2019 3:34:08 AM



#26
2,2-Dichloropropane
Concen: 19.738 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion: 77 Resp: 127767
Ion Ratio Lower Upper
77 100
97 23.8 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.467 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

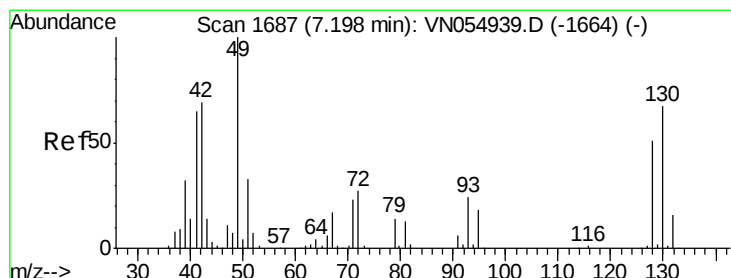
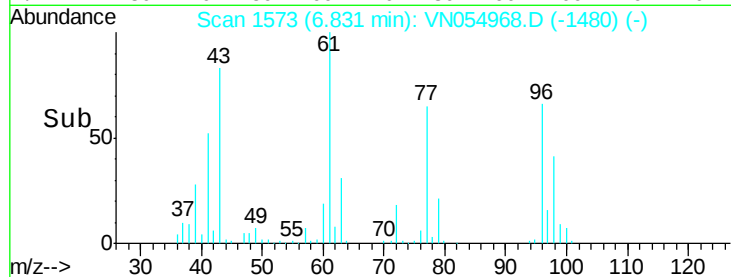
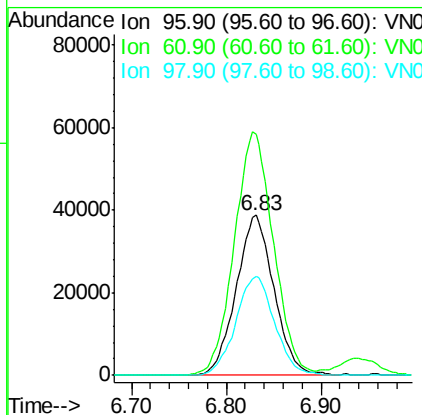
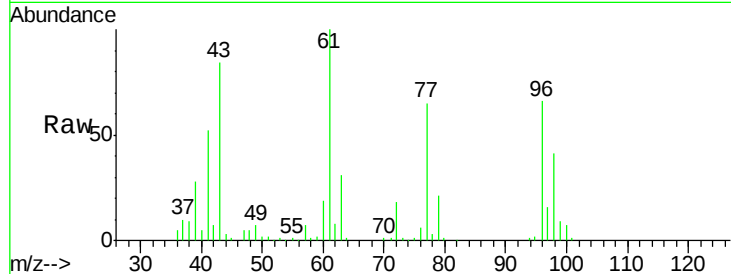
ClientSampleId :

VN0405WBSD01

Tot Ion:	96	Resp:	107716
Ion	Ratio	Lower	Upper
96	100		
61	157.1	0.0	316.2
98	63.8	0.0	129.6

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#28

Bromochloromethane

Concen: 19.587 ug/l

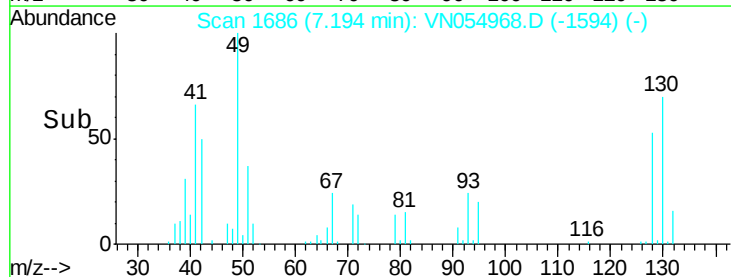
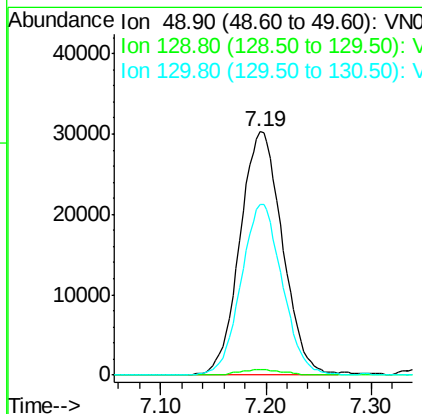
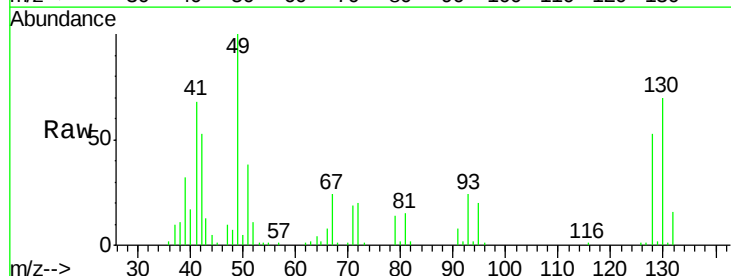
RT: 7.19 min Scan# 1686

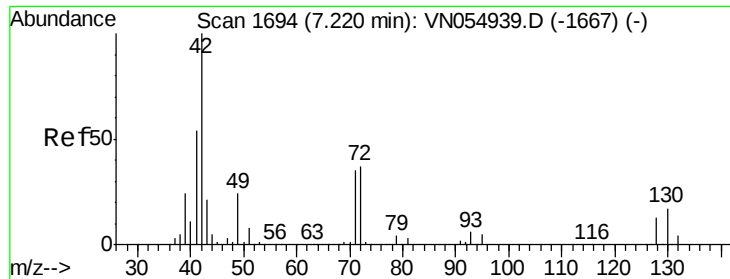
Delta R.T. -0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Tgt Ion:	49	Resp:	84728
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	68.3	53.1	79.7





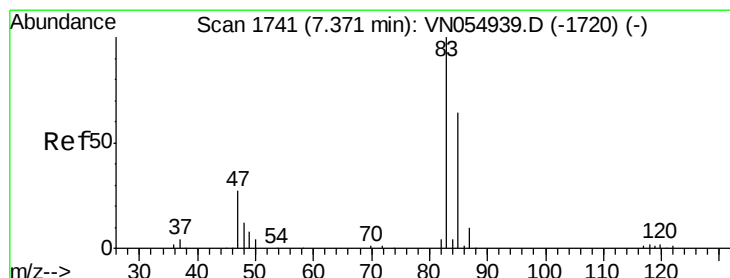
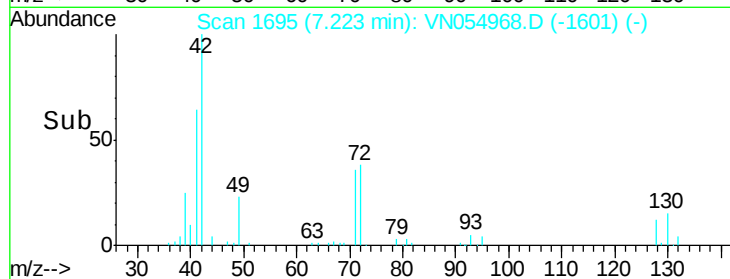
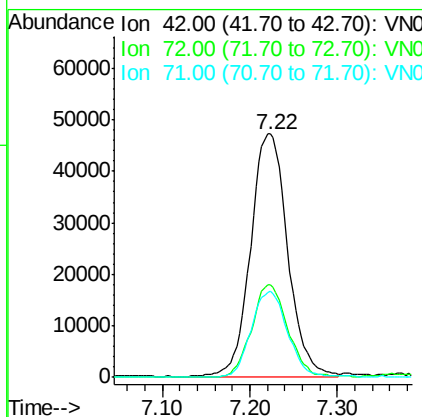
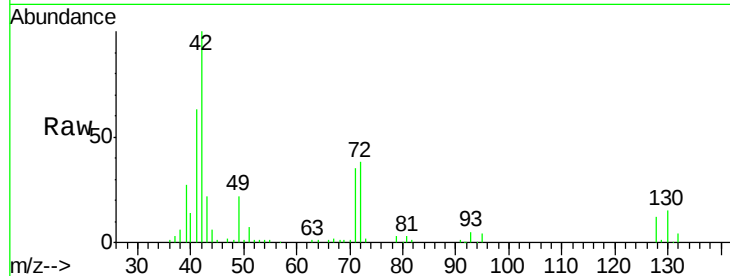
#29
Tetrahydrofuran
Concen: 101.011 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	29.3	43.9
71	34.8	27.8	41.6

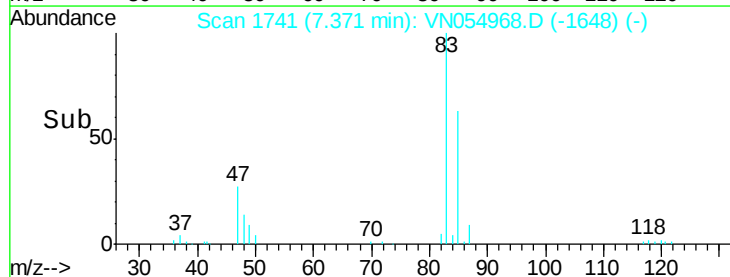
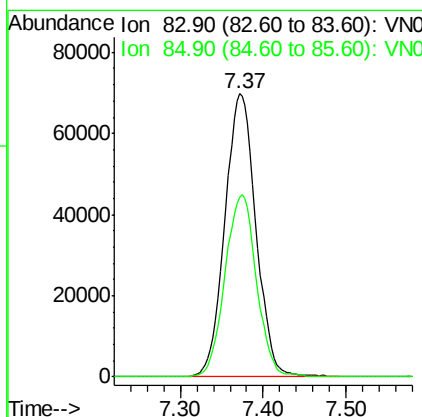
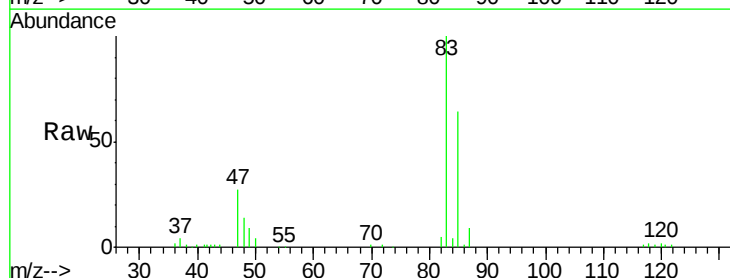
Manual Integrations
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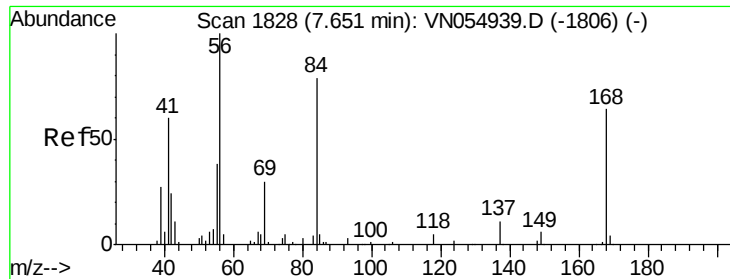
MMDadoda
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#30
Chloroform
Concen: 20.751 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.4	77.0





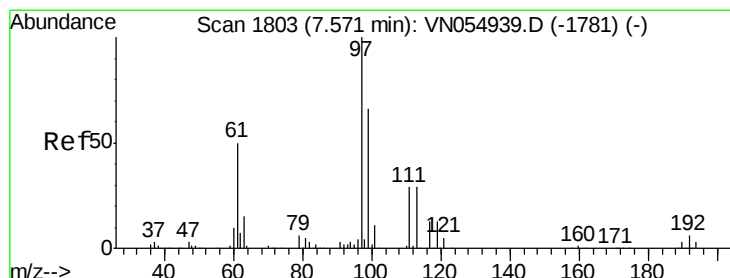
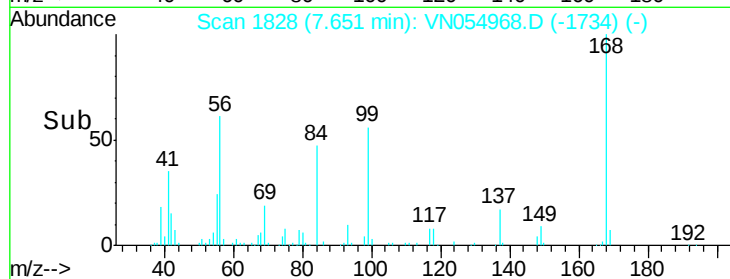
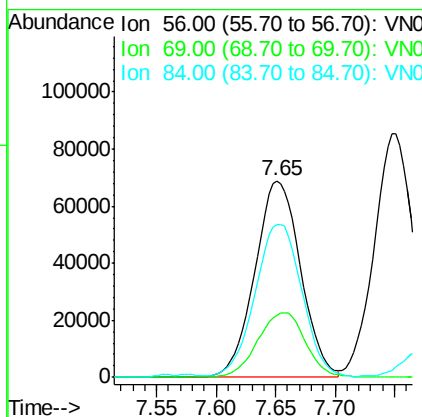
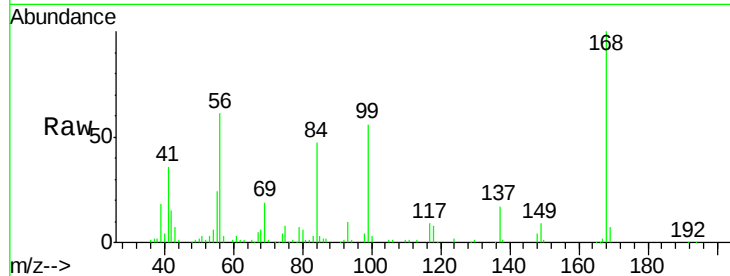
#31
Cyclohexane
Concen: 20.009 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	23.8	35.6
84	76.3	61.8	92.8

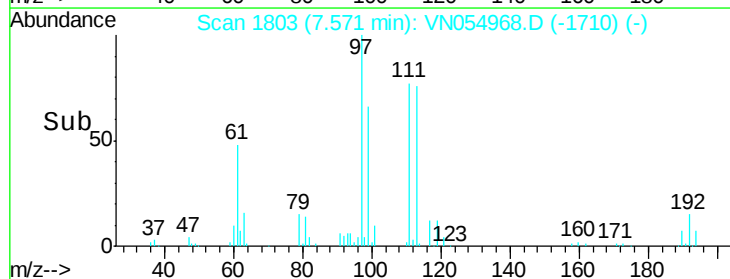
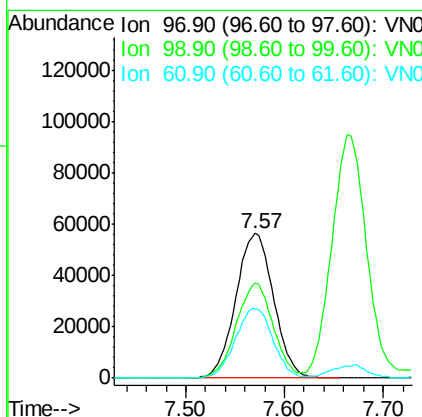
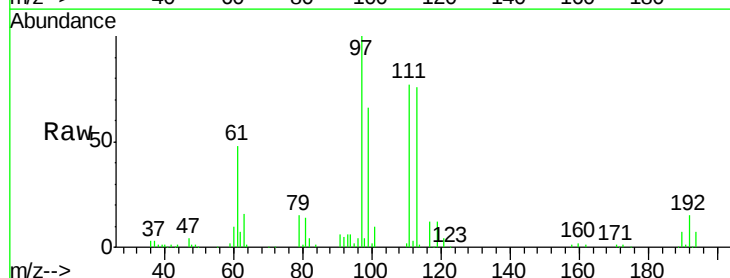
Manual Integrations
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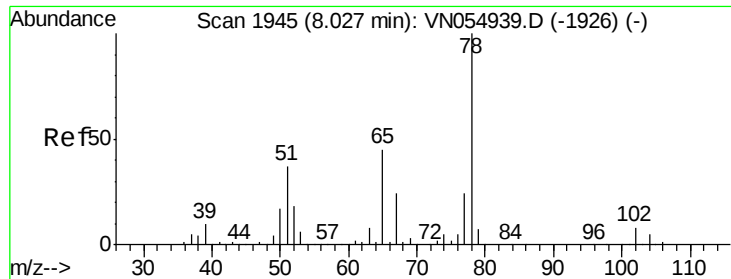
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#32
1,1,1-Trichloroethane
Concen: 20.322 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.1	78.1
61	48.1	39.6	59.4





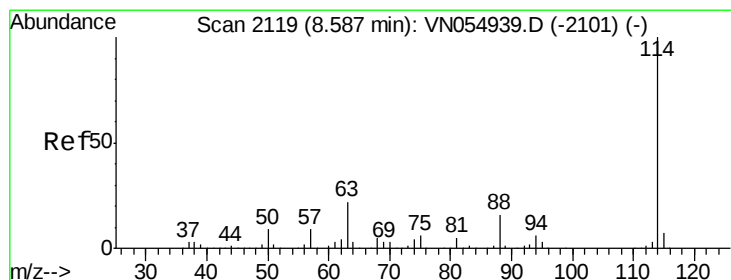
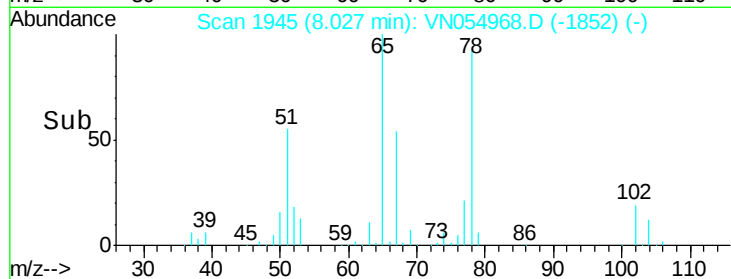
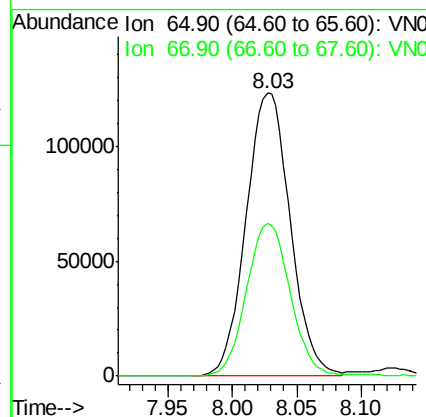
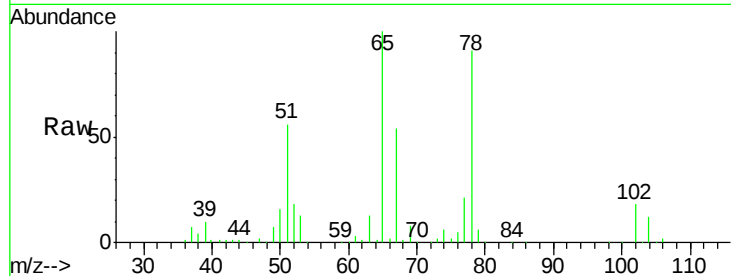
#33
 1,2-Dichloroethane-d4
 Concen: 52.988 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	294418		
67	53.8	0.0	105.6	

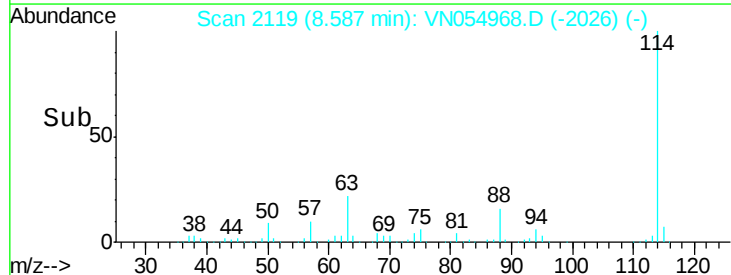
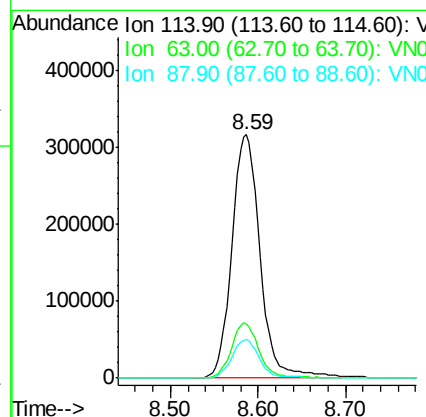
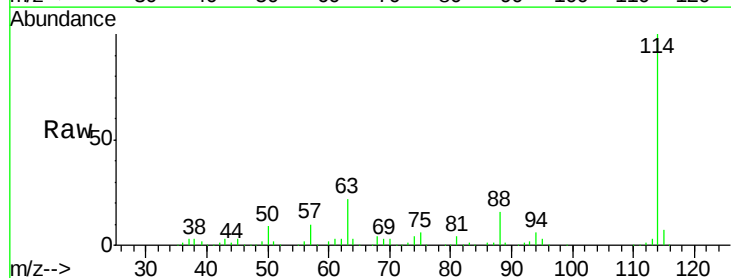
Manual Integrations
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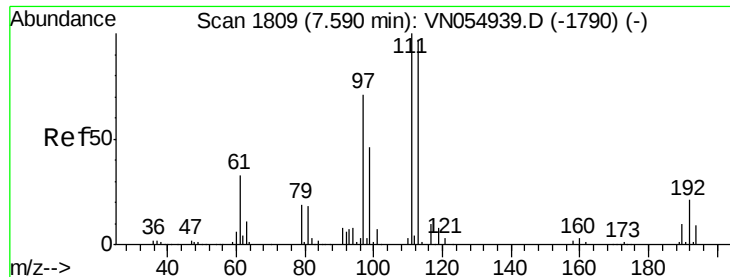
MMDadoda
 4/8/2019 3:34:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	706734		
63	22.5	0.0	44.6	
88	16.0	0.0	32.0	





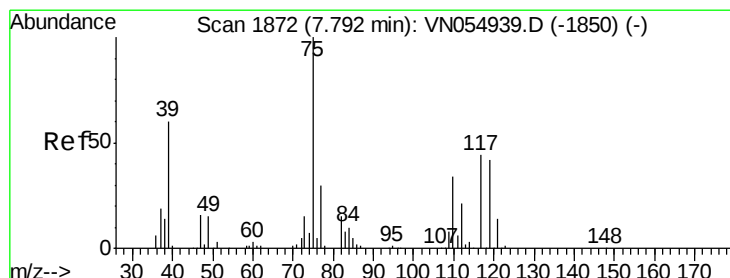
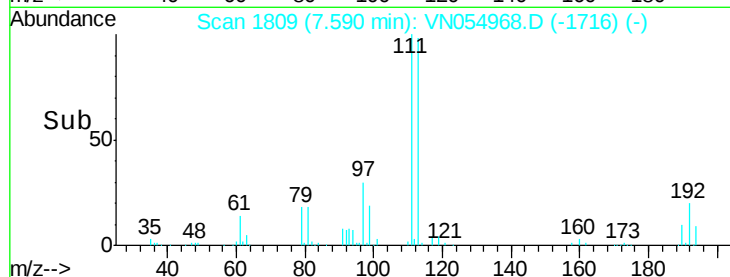
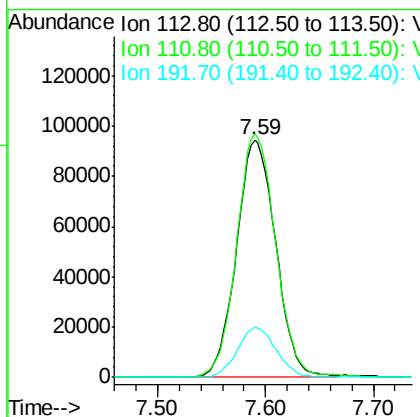
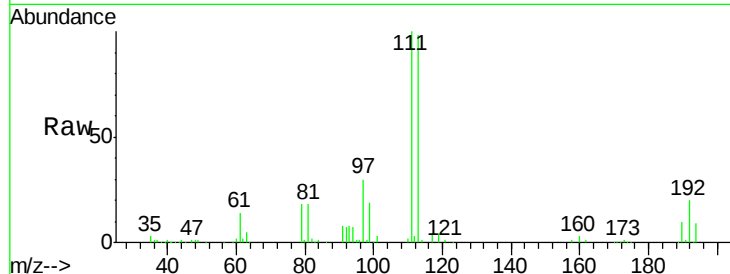
#35
 Dibromofluoromethane
 Concen: 51.976 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.5	81.0	121.4	
192	20.9	16.5	24.7	

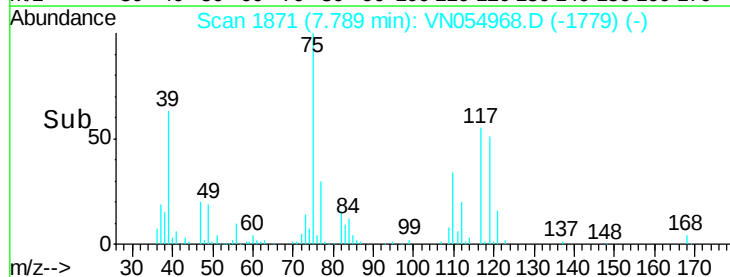
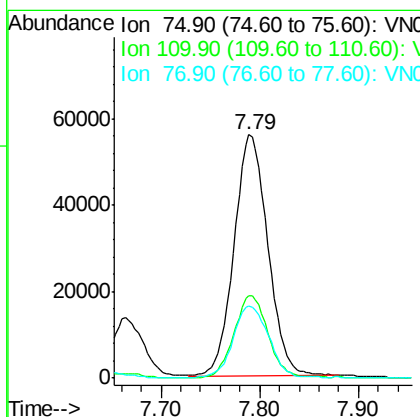
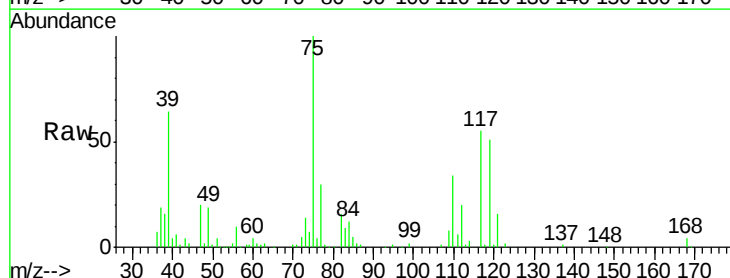
Manual Integrations
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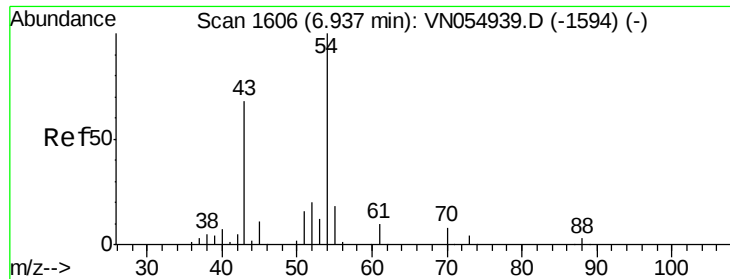
MMDadoda
 4/8/2019 3:34:08 AM



#36
 1,1-Dichloropropene
 Concen: 19.100 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.5	17.0	50.9	
77	31.3	25.3	37.9	





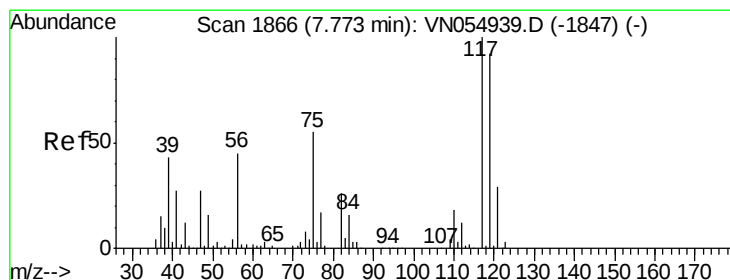
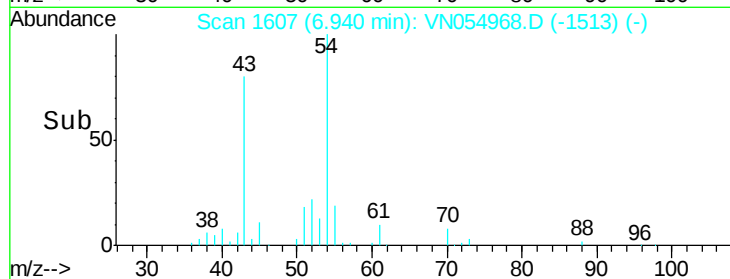
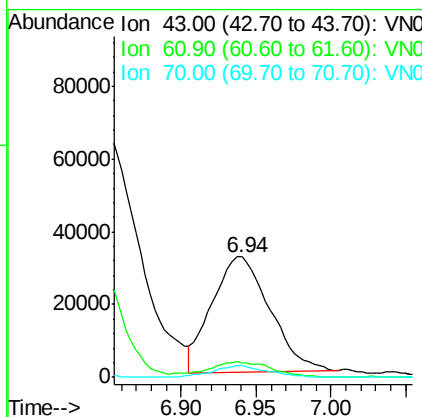
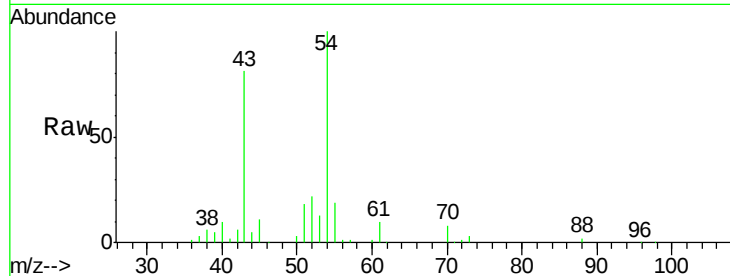
#37
Ethyl Acetate
Concen: 17.724 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBSD01

Tot Ion	43	61	70
Resp	85173		
Ratio	100	14.1	10.0
Lower		10.3	7.0
Upper		15.5	10.4

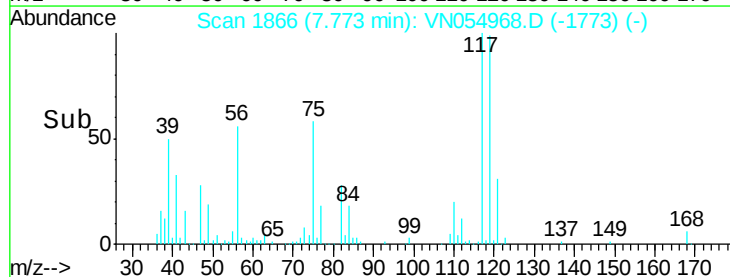
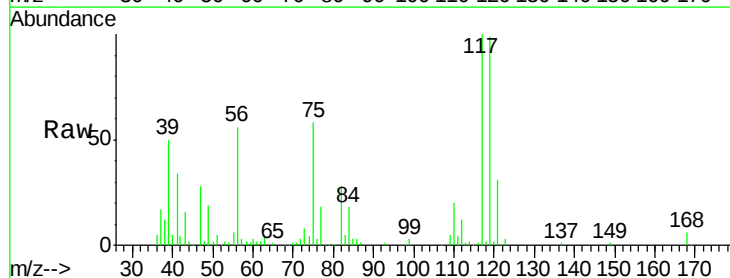
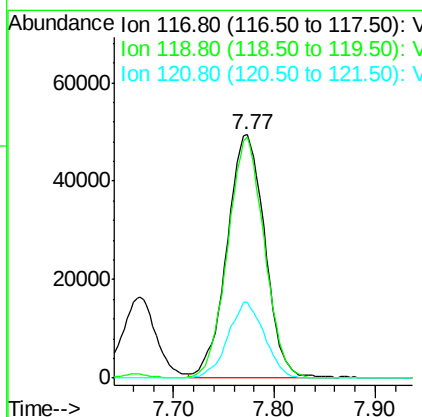
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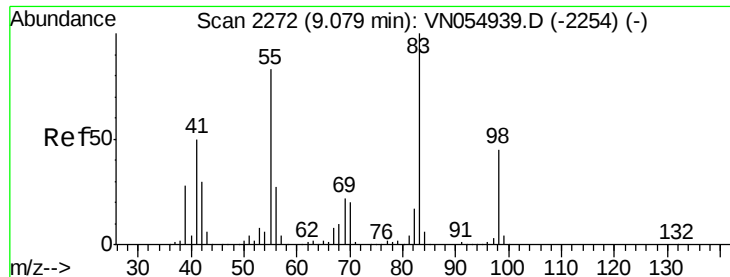
MMDadoda
4/8/2019 3:34:08 AM



#38
Carbon Tetrachloride
Concen: 18.916 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion	117	119	121
Resp	127924		
Ratio	100	99.4	31.6
Lower		73.6	23.4
Upper		110.4	35.0





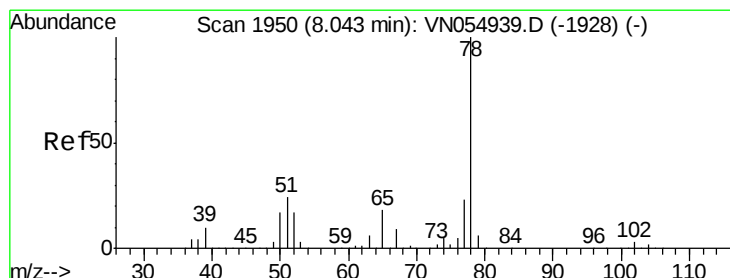
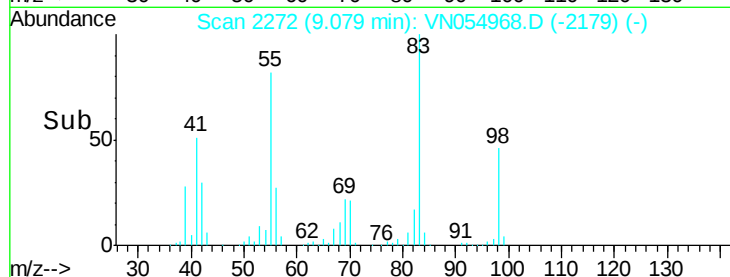
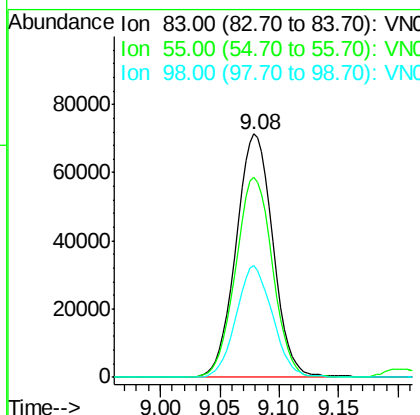
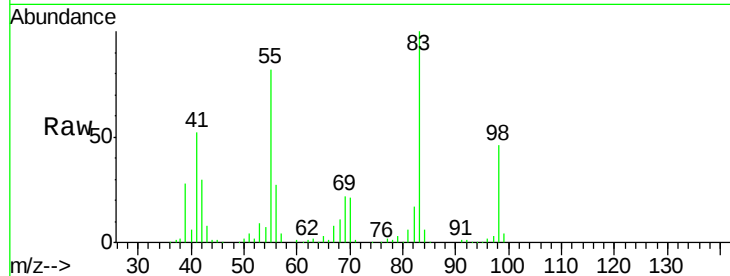
#39
Methvlcvclohexane
Concen: 19.903 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.1	66.4	99.6
98	45.7	36.4	54.6

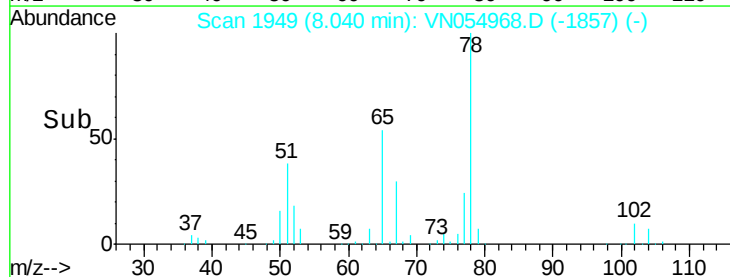
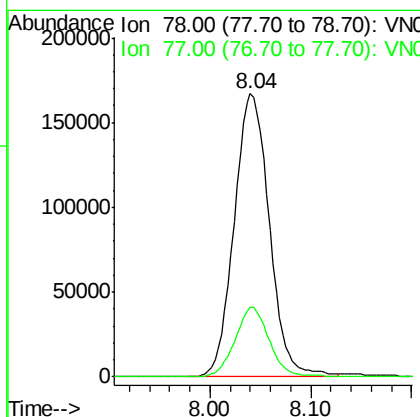
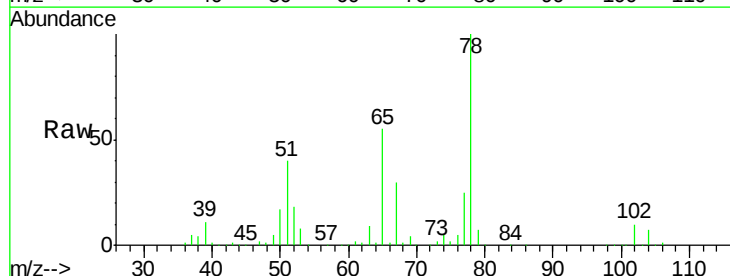
Manual Integrations
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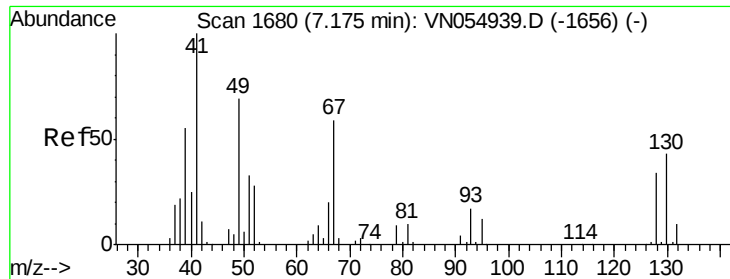
MMDadoda
4/8/2019 3:34:08 AM



#40
Benzene
Concen: 20.109 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.6	27.8





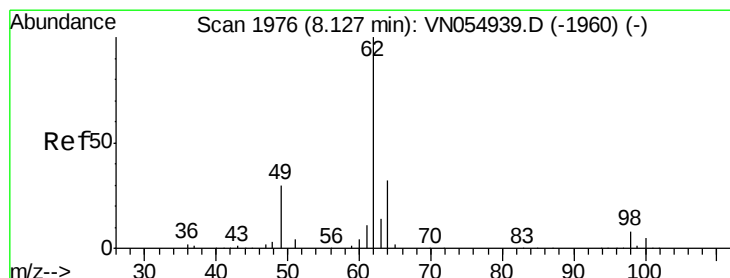
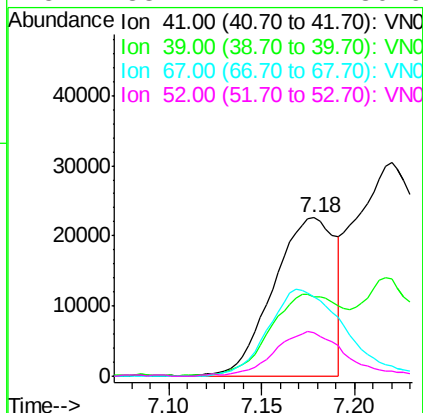
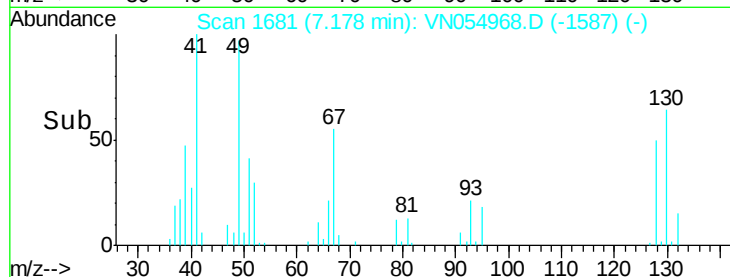
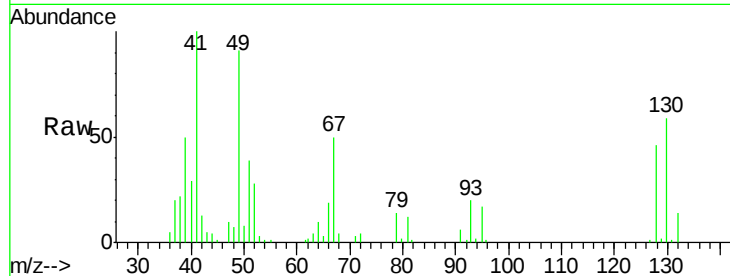
#41
Methacrylonitrile
Concen: 19.043 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.0	43.0	64.6	
67	69.0	55.0	82.6	
52	33.2	24.4	36.6	

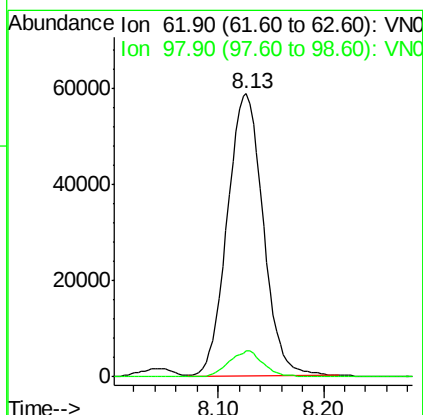
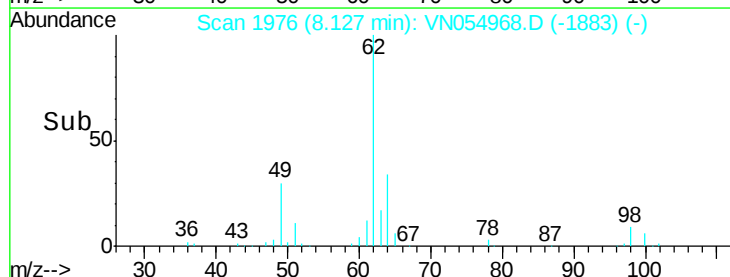
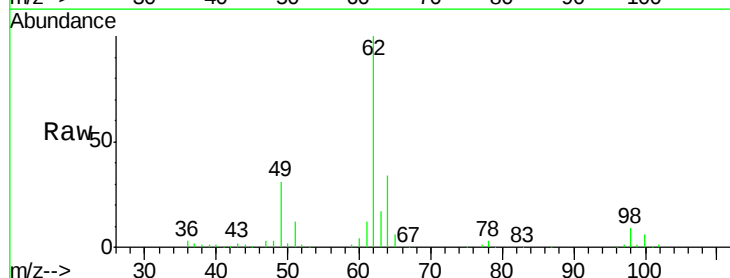
Manual Integrations
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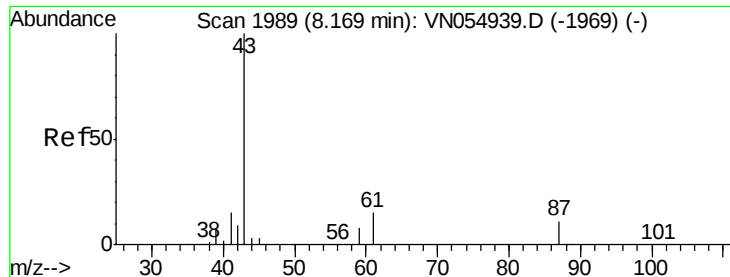
MMDadoda
4/8/2019 3:34:08 AM



#42
1,2-Dichloroethane
Concen: 19.607 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.0	





#43

Isopropyl Acetate

Concen: 19.568 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

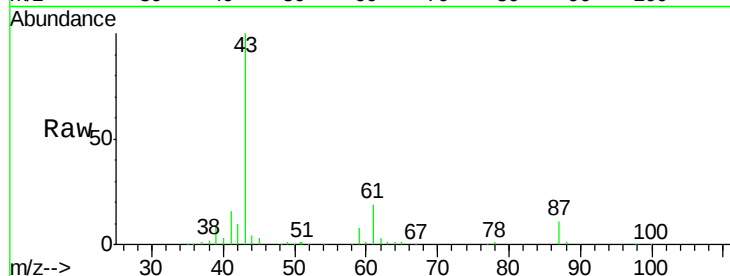
ClientSampleId :

VN0405WBSD01

Tot Ion:	43	Resp:	158486
Ion	Ratio	Lower	Upper
43	100		
61	17.2	14.4	21.6
87	11.0	9.0	13.4

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MMDadoda
4/8/2019 3:34:08 AM

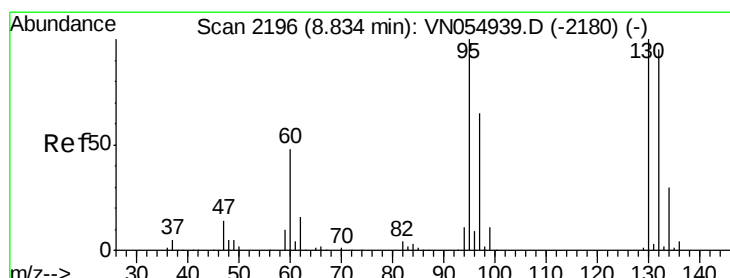
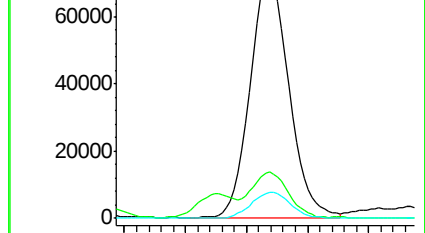
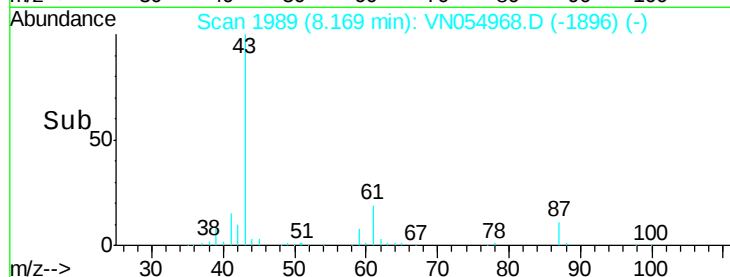


Abundance Ion 43.00 (42.70 to 43.70): VN054939.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN054939.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN054939.D (-1969) (-)

Time-->



#44

Trichloroethene

Concen: 19.940 ug/l

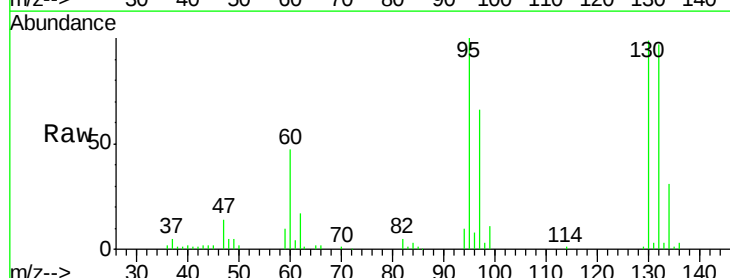
RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

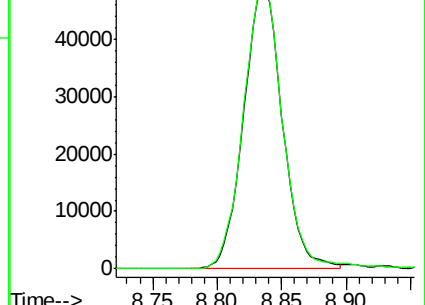
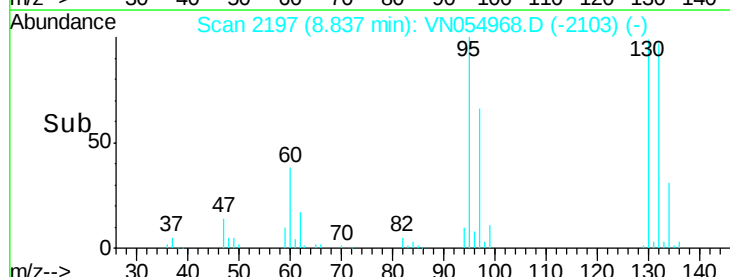
Tgt Ion:	130	Resp:	102734
Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	200.4

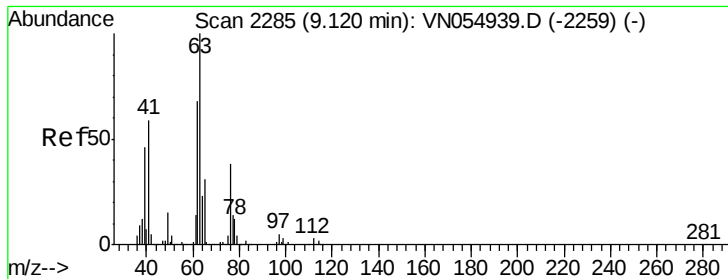


Abundance Ion 129.80 (129.50 to 130.50): VN054939.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN054939.D (-2180) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 20.306 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBSD01

Tot Ion: 63 Resp: 114006

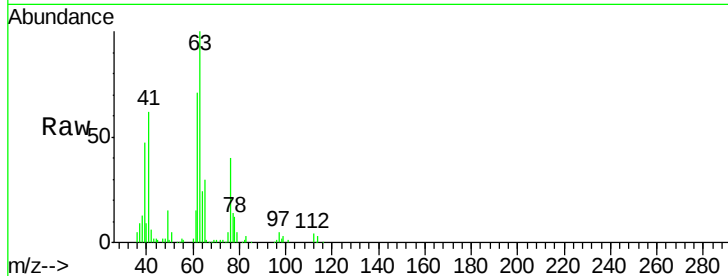
Ion Ratio Lower Upper

63 100

65 29.2 24.6 37.0

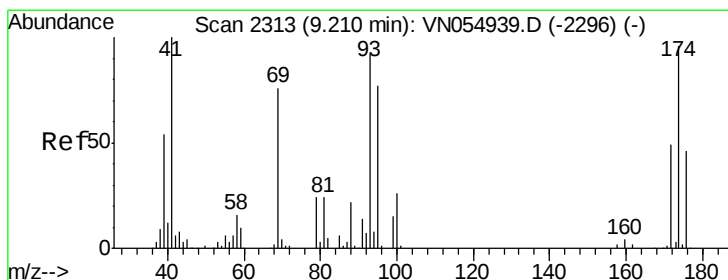
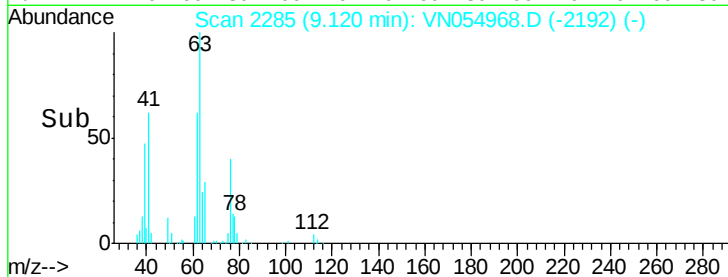
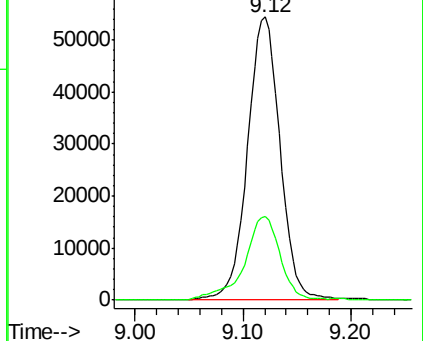
Manual Integrations
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4/8/2019 3:34:08 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.690 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

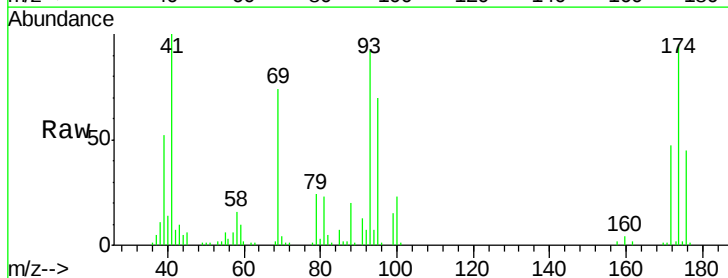
Tgt Ion: 93 Resp: 62688

Ion Ratio Lower Upper

93 100

95 81.4 66.7 100.1

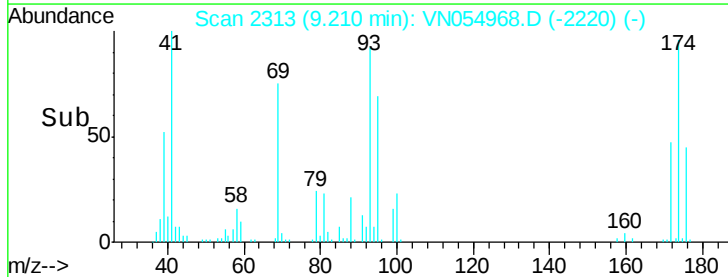
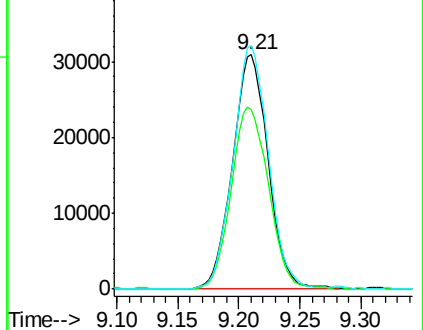
174 102.8 82.0 123.0

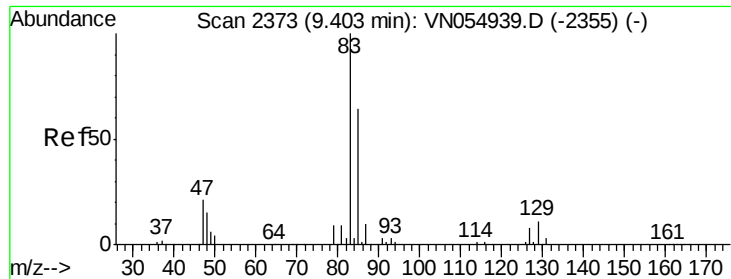


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





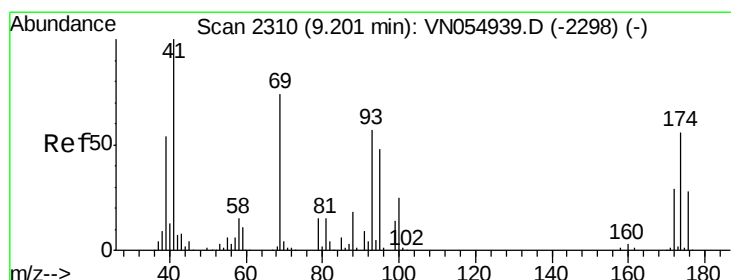
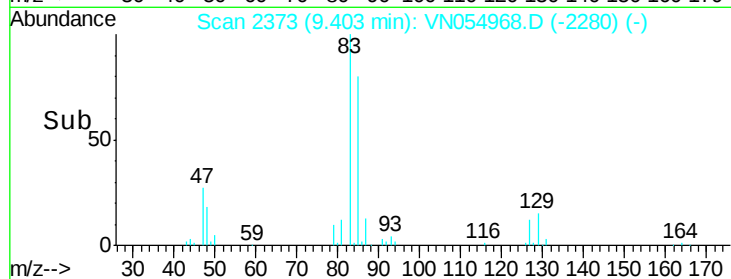
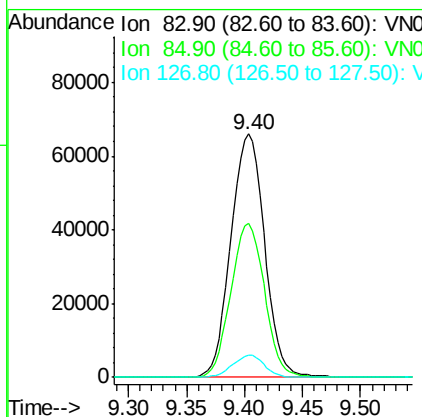
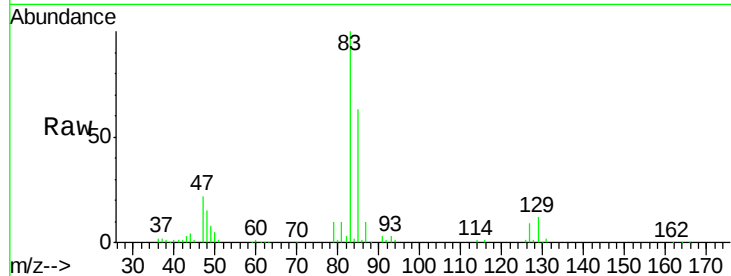
#47
Bromodichloromethane
Concen: 19.962 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBSD01

Tot Ion	83	Resp	133488
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	51.1	76.7
127	9.1	6.7	10.1

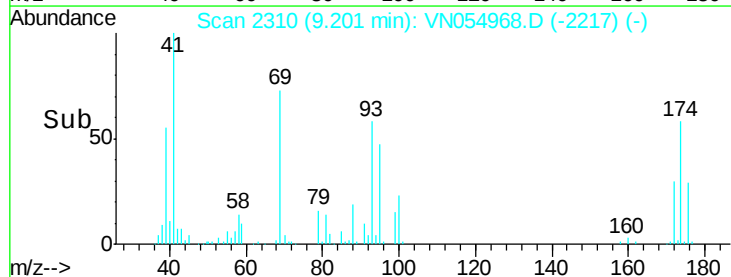
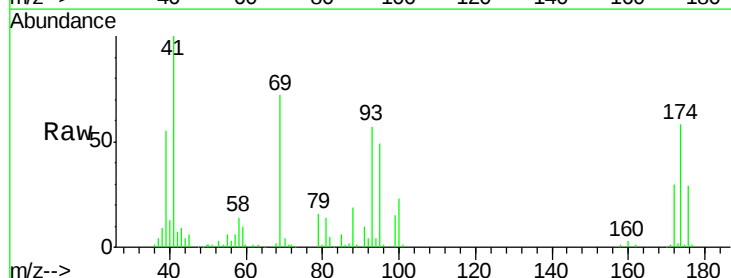
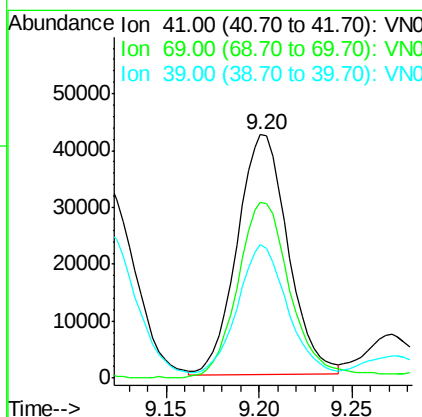
Manual Integrations
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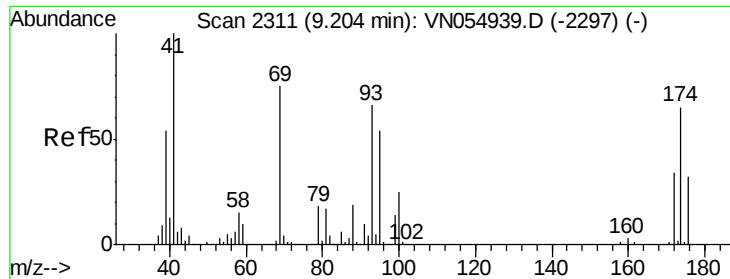
MMDadoda
4/8/2019 3:34:08 AM



#48
Methyl methacrylate
Concen: 19.752 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion	41	Resp	80984
Ion Ratio	100	Lower	Upper
41	100		
69	76.7	58.9	88.3
39	52.8	44.2	66.4





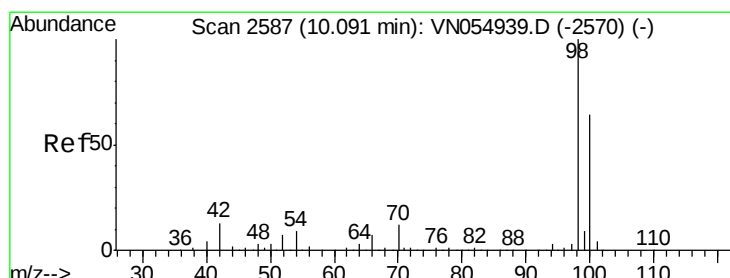
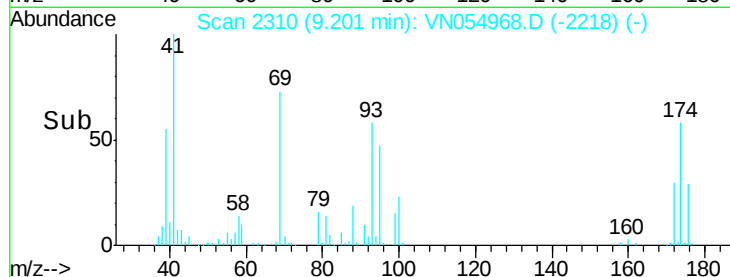
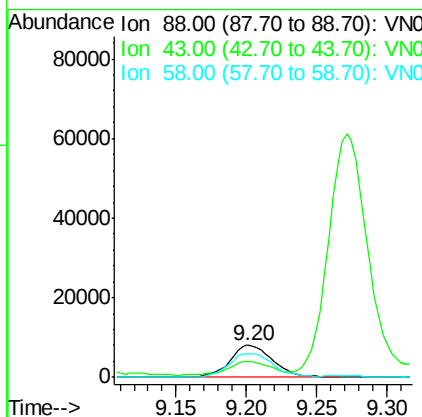
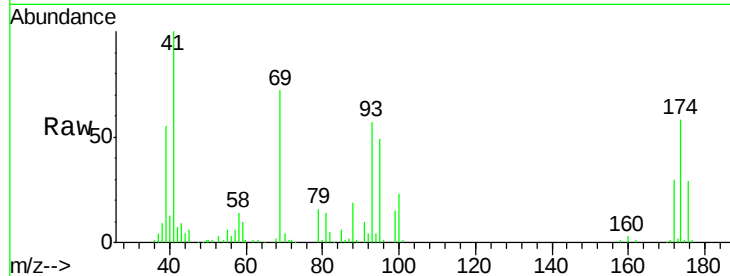
#49
1,4-Dioxane
Concen: 412.009 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBSD01

Tot Ion	88	Resp	17050
Ion	Ratio	Lower	Upper
88	100		
43	41.8	31.5	47.3
58	78.3	61.9	92.9

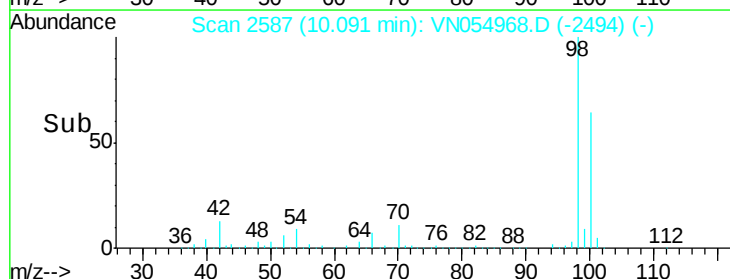
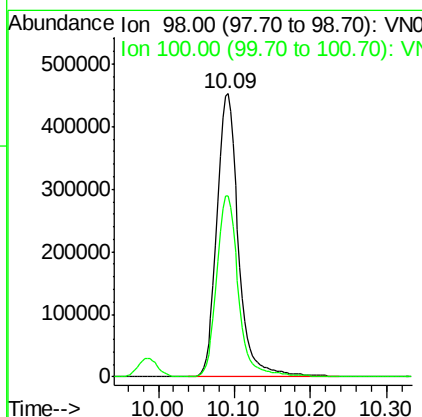
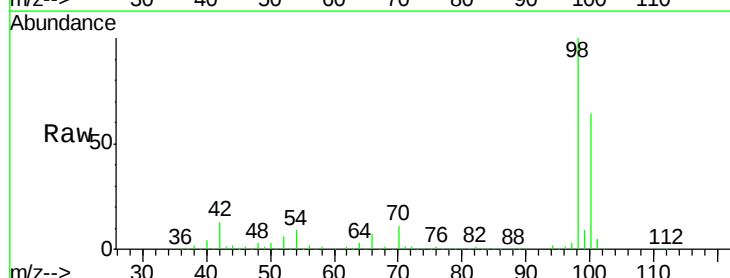
Manual Integrations
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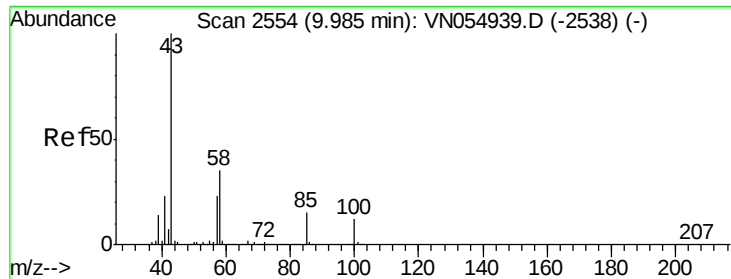
MMDadoda
4/8/2019 3:34:08 AM



#50
Toluene-d8
Concen: 51.261 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion	98	Resp	894815
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 99.615 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBSD01

Tot Ion: 43 Resp: 450076

Ion Ratio Lower Upper

43 100

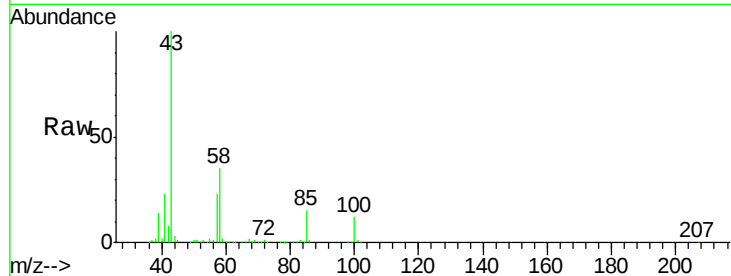
58 34.9 28.3 42.5

Manual Integrations

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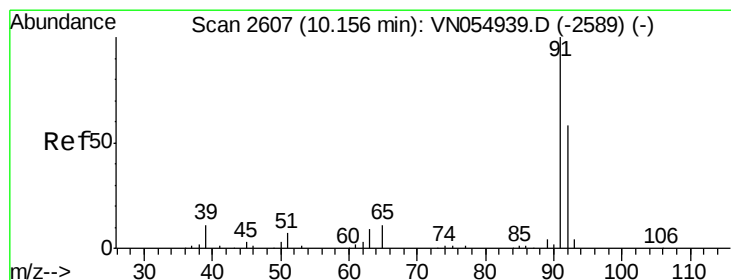
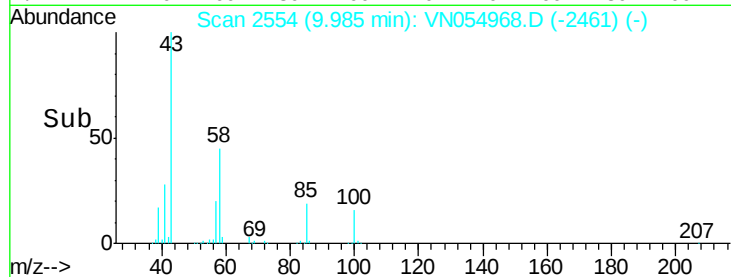
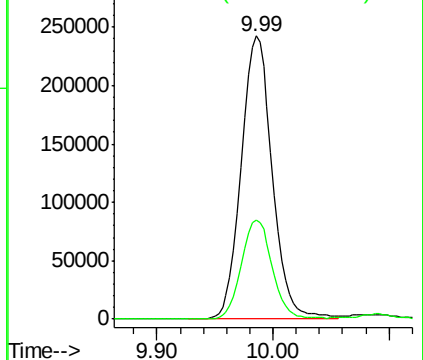
MMDadoda

4/8/2019 3:34:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.327 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054968.D

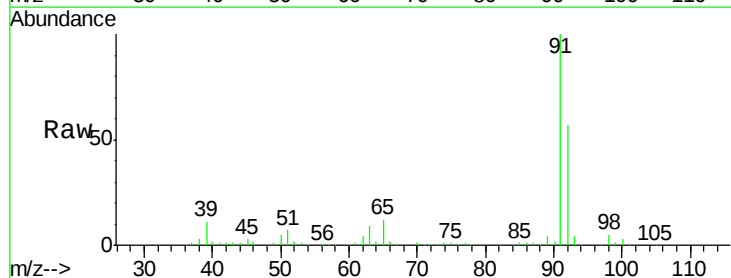
Acq: 5 Apr 2019 12:12

Tgt Ion: 92 Resp: 241426

Ion Ratio Lower Upper

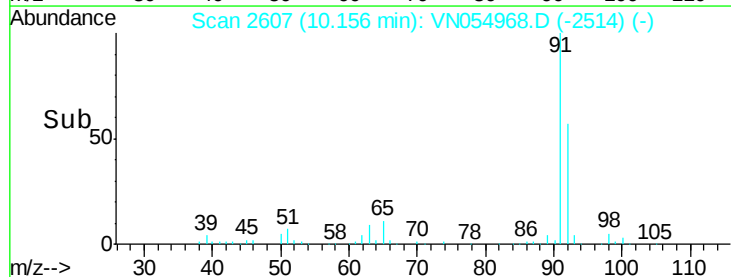
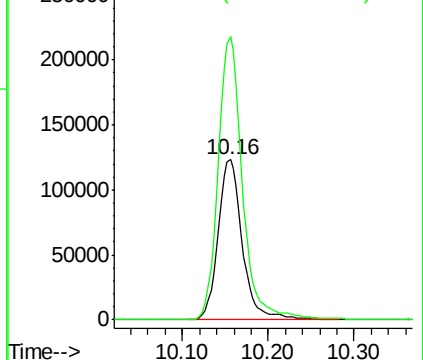
92 100

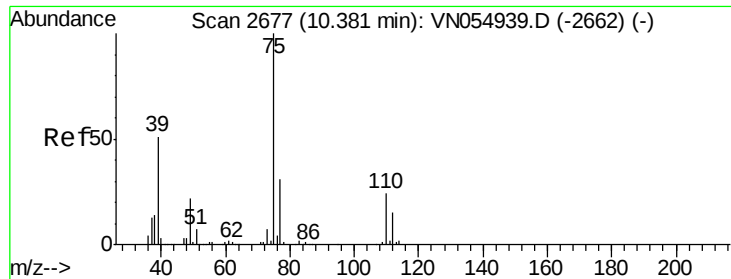
91 177.4 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





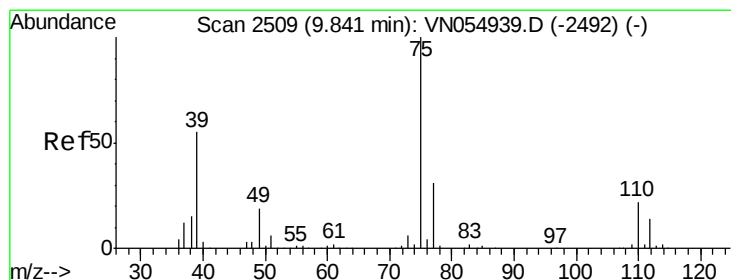
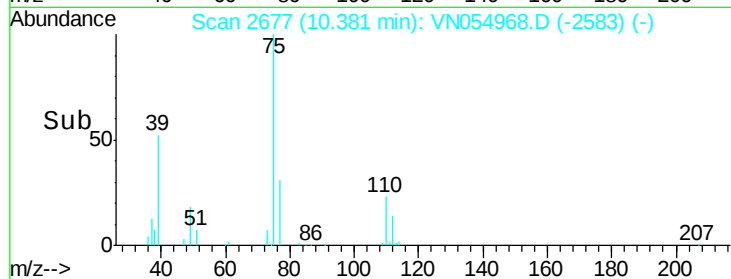
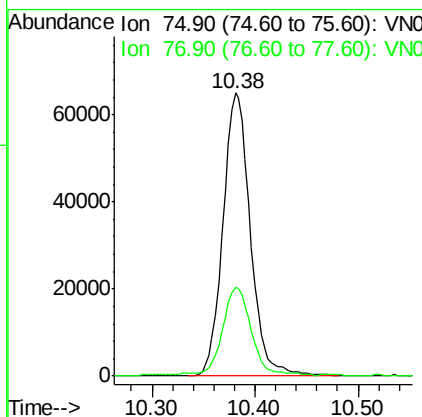
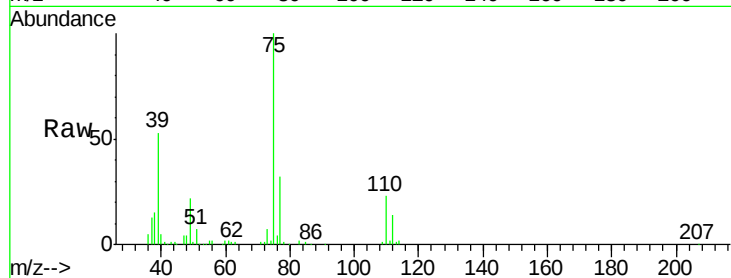
#53
 t-1,3-Dichloropropene
 Concen: 18.721 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.6	36.8

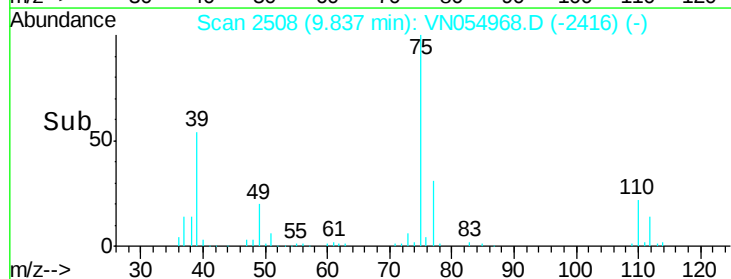
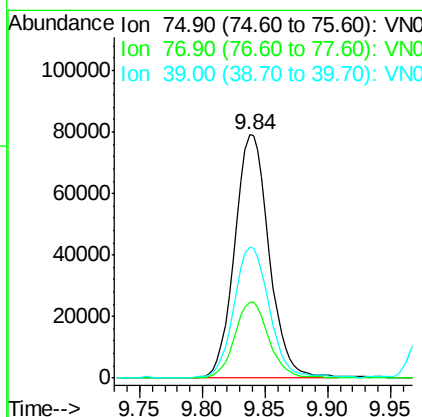
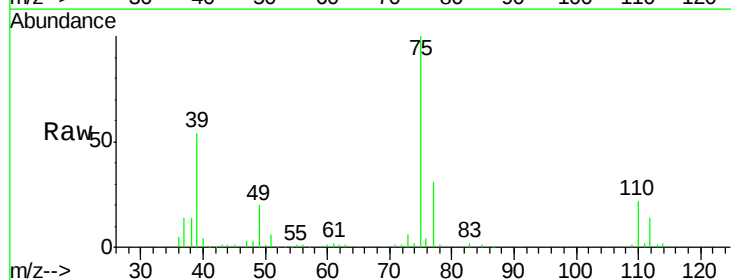
Manual Integrations
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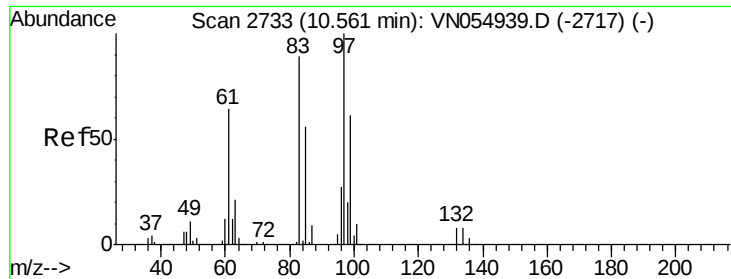
MMDadoda
 4/8/2019 3:34:08 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.116 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4
39	53.5	43.9	65.9





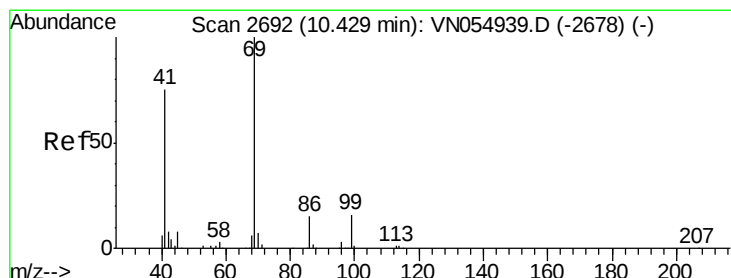
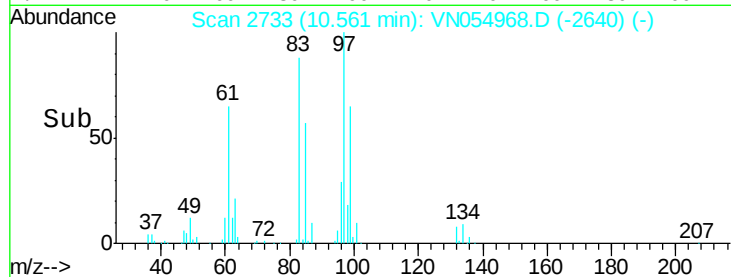
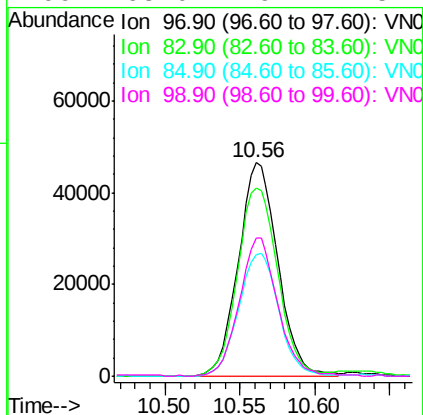
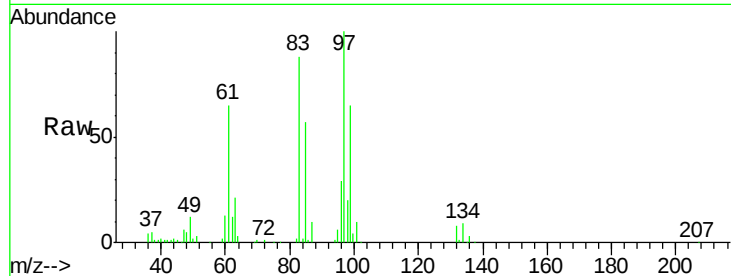
#55
 1,1,2-Trichloroethane
 Concen: 19.851 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN0405WBSD01

Tot Ion:	97	Resp:	85481
Ion	Ratio	Lower	Upper
97	100		
83	88.3	71.5	107.3
85	56.8	45.0	67.6
99	65.0	49.1	73.7

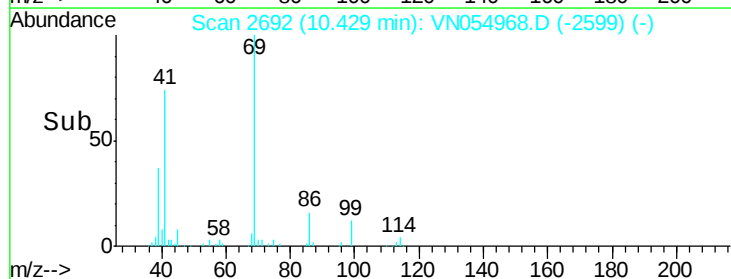
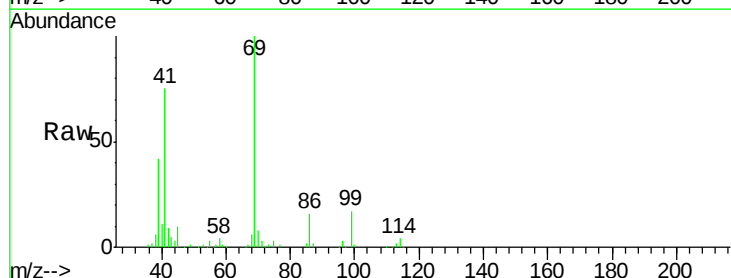
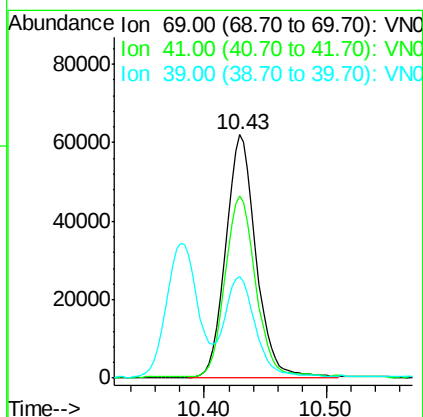
Manual Integrations
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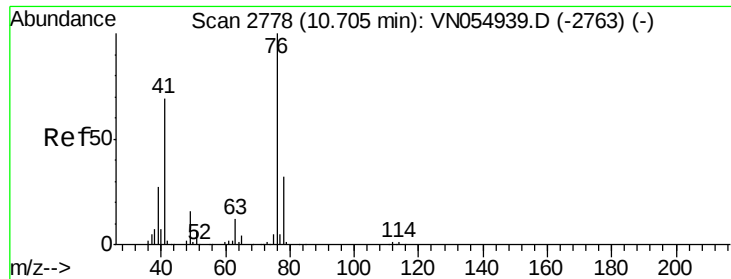
MMDadoda
 4/8/2019 3:34:08 AM



#56
 Ethyl methacrylate
 Concen: 19.264 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion:	69	Resp:	108459
Ion	Ratio	Lower	Upper
69	100		
41	74.1	60.2	90.2
39	41.6	31.3	46.9





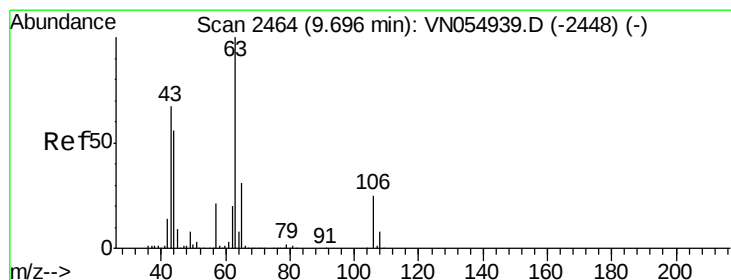
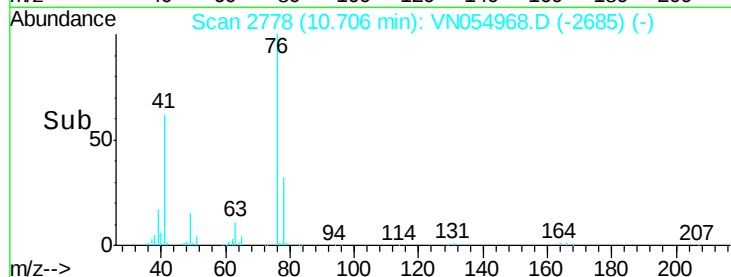
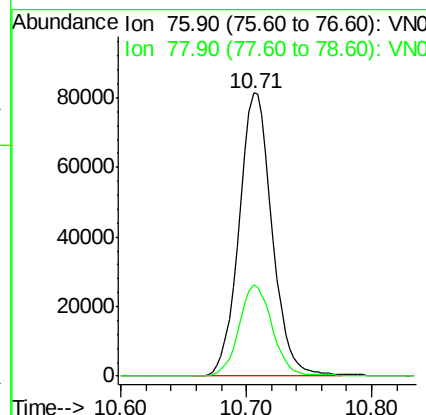
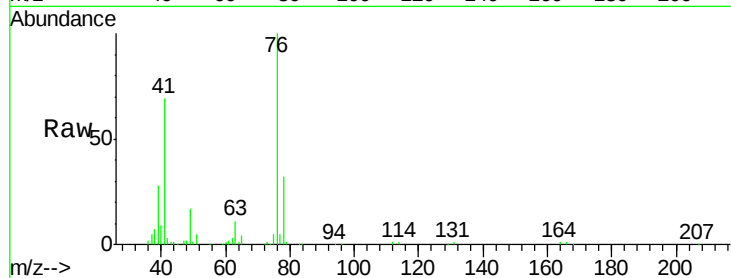
#57
 1,3-Dichloropropane
 Concen: 19.798 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9

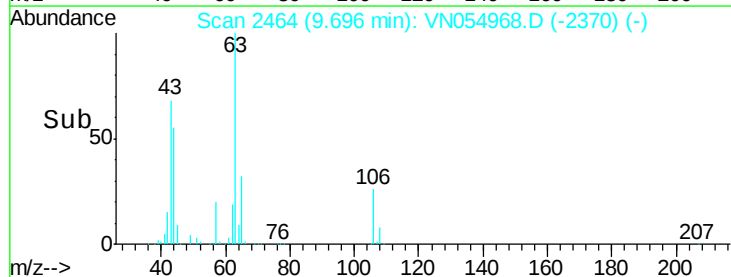
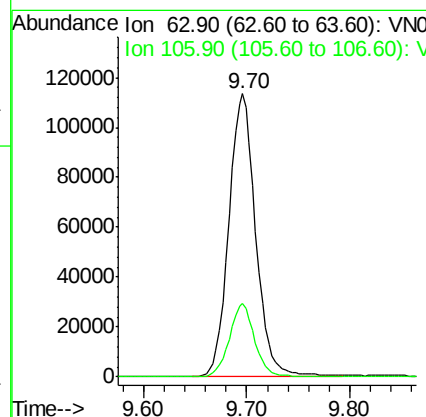
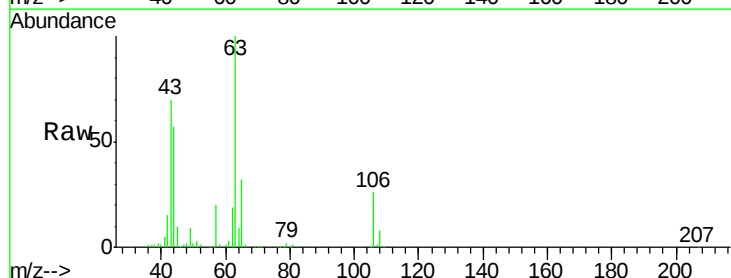
Manual Integrations
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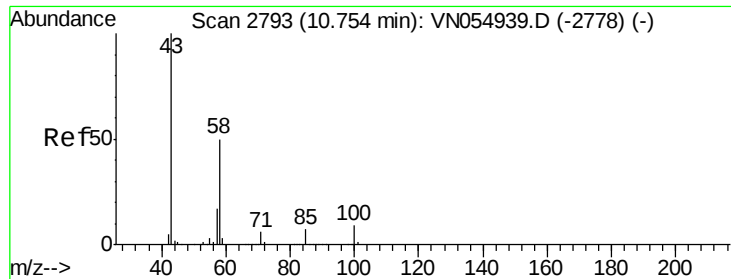
MMDadoda
 4/8/2019 3:34:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.156 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.4	19.7	29.5





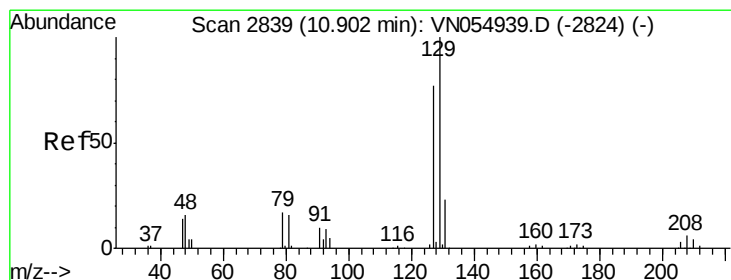
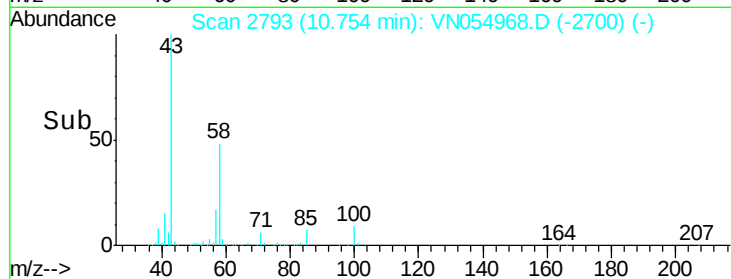
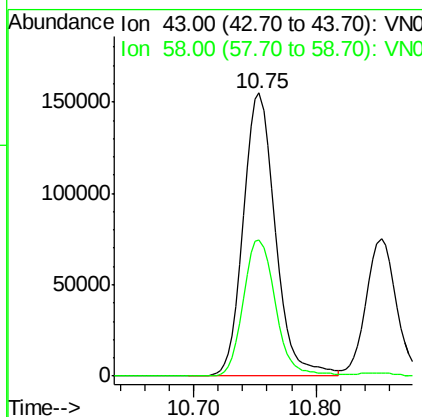
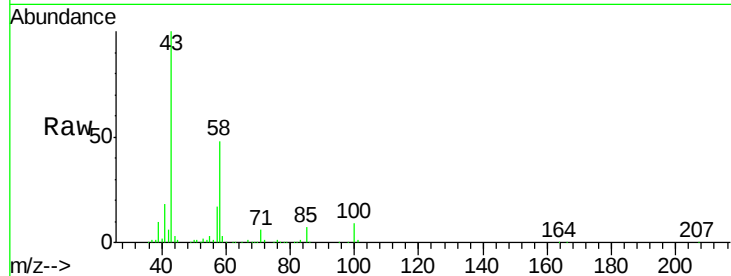
#59
2-Hexanone
Concen: 98.702 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBSD01

Tot Ion: 43 Resp: 278549
Ion Ratio Lower Upper
43 100
58 48.9 24.6 73.8

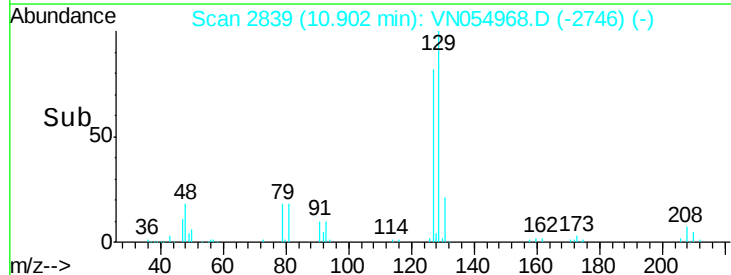
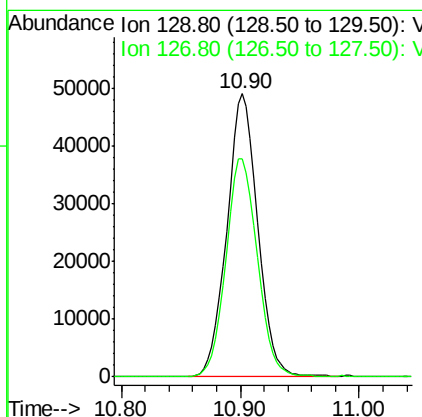
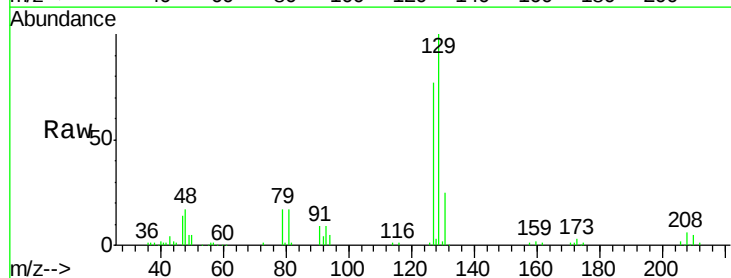
Manual Integrations
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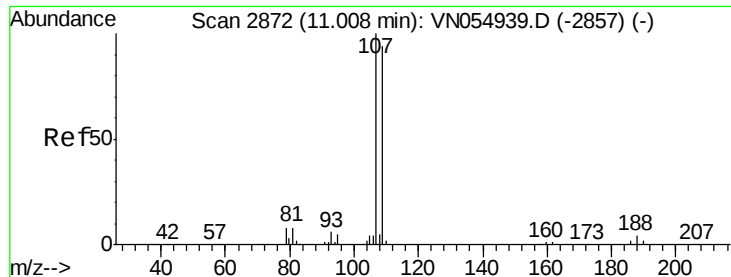
MMDadoda
4/8/2019 3:34:08 AM



#60
Dibromochloromethane
Concen: 19.590 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion: 129 Resp: 88359
Ion Ratio Lower Upper
129 100
127 78.5 38.4 115.2





#61

1,2-Dibromoethane

Concen: 20.504 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBSD01

Tot Ion: 107 Resp: 83016

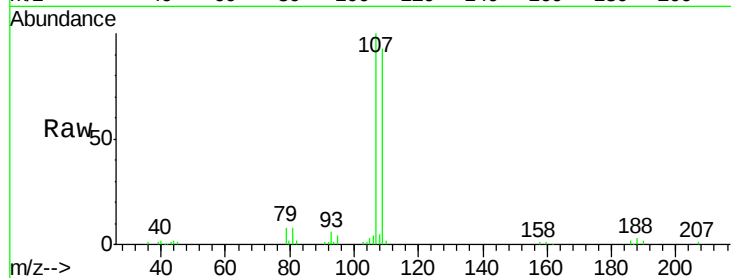
Ion Ratio Lower Upper

107 100

109 93.9 74.6 112.0

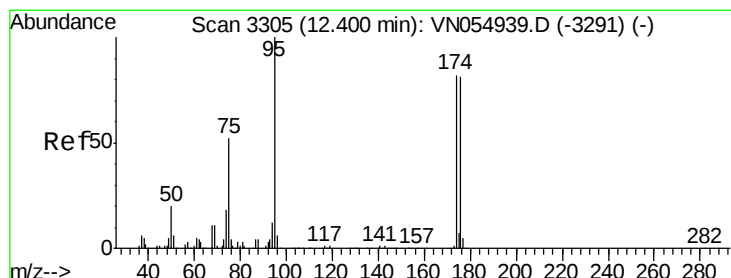
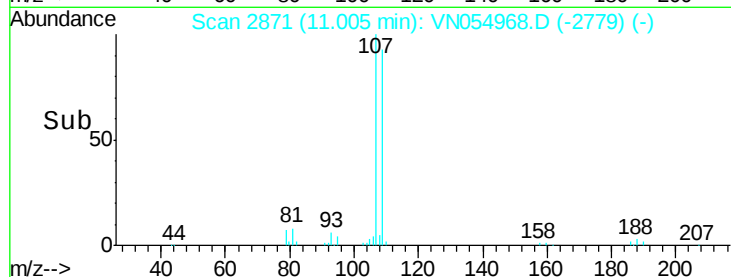
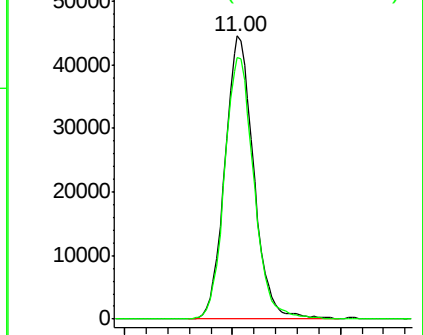
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.495 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

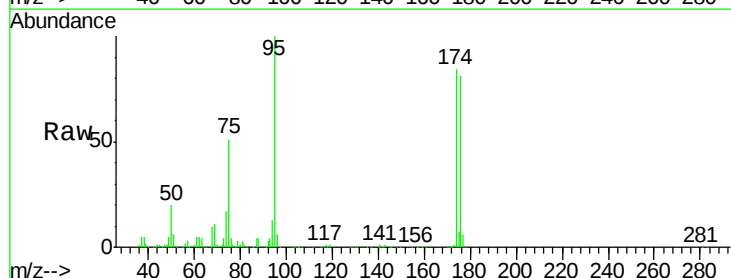
Tgt Ion: 95 Resp: 288336

Ion Ratio Lower Upper

95 100

174 84.7 0.0 166.2

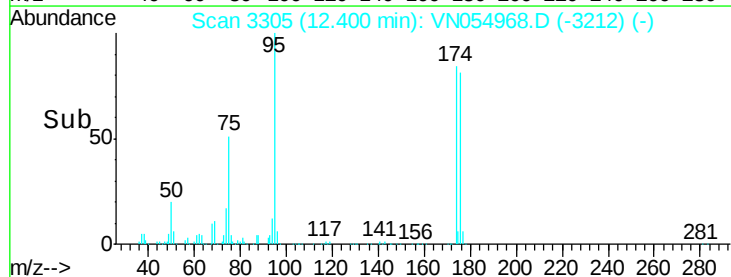
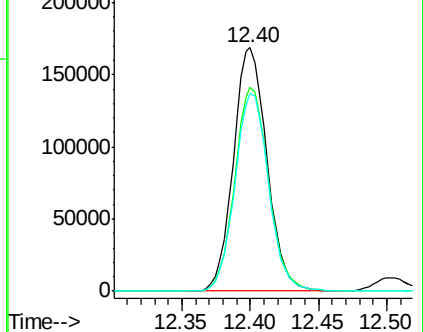
176 81.6 0.0 163.2

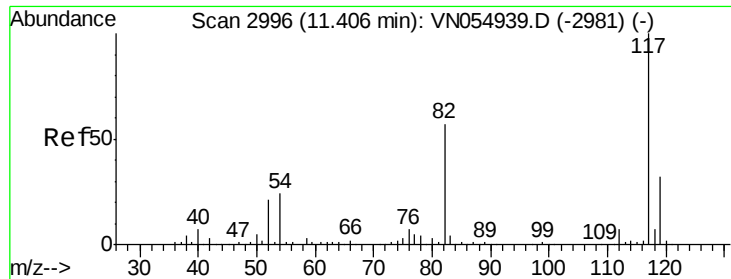


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





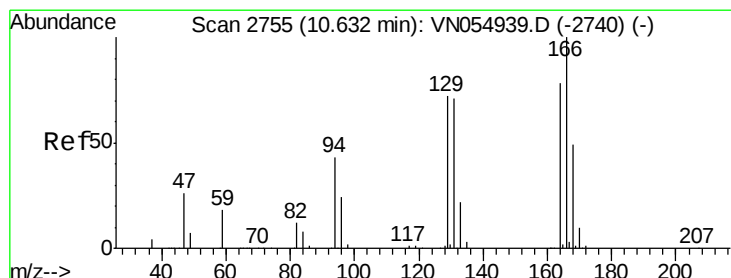
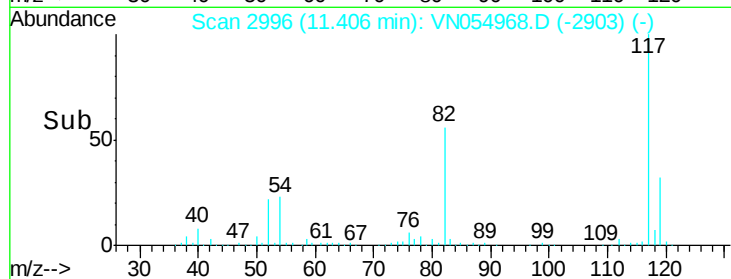
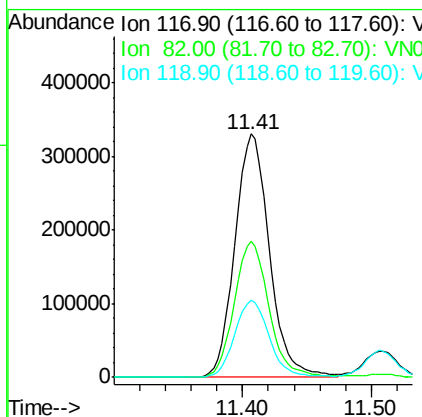
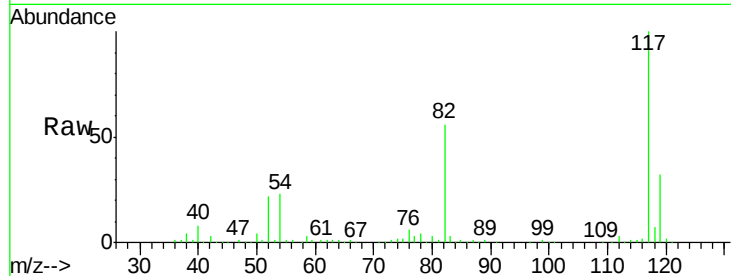
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.3	67.9
119	31.7	25.8	38.6

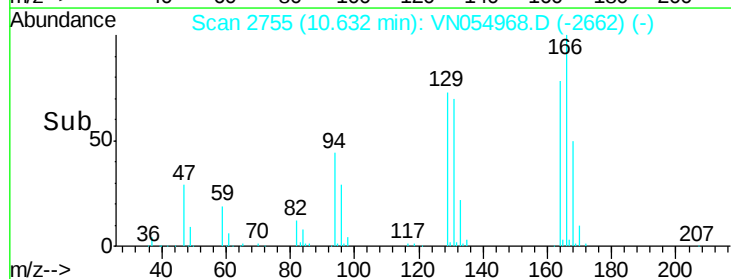
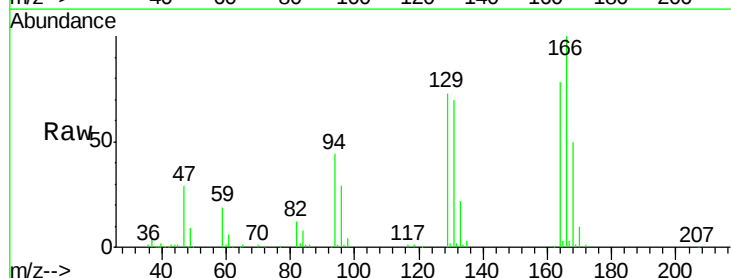
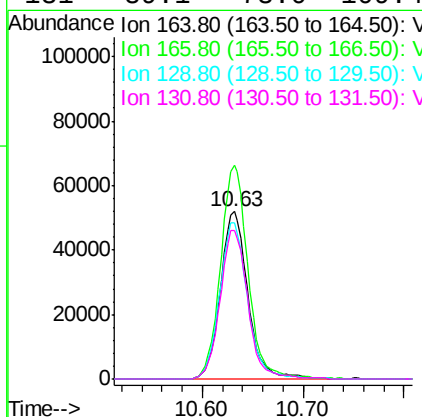
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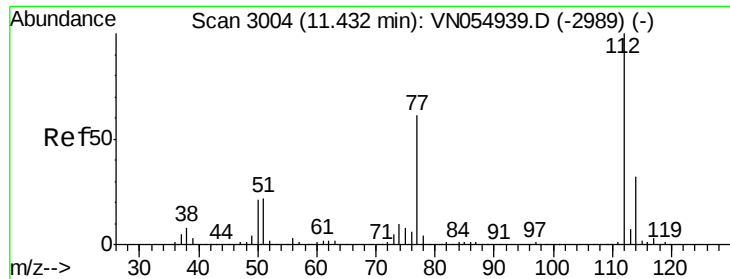
MMDadoda
4/8/2019 3:34:08 AM



#64
Tetrachloroethene
Concen: 19.879 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	103.1	154.7
129	93.8	73.9	110.9
131	89.1	73.0	109.4





#65

Chlorobenzene

Concen: 20.275 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBSD01

Tot Ion:112 Resp: 254851

Ion Ratio Lower Upper

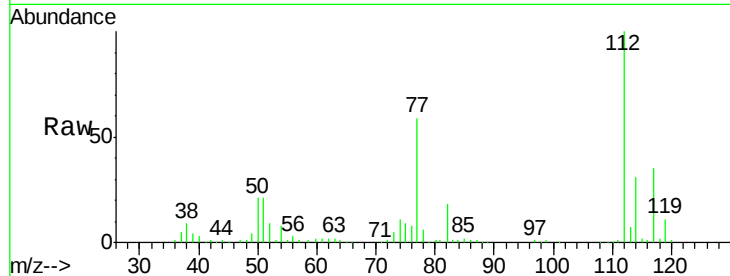
112 100

114 30.6 25.4 38.0

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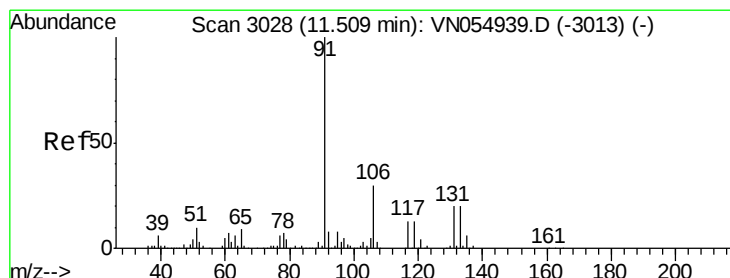
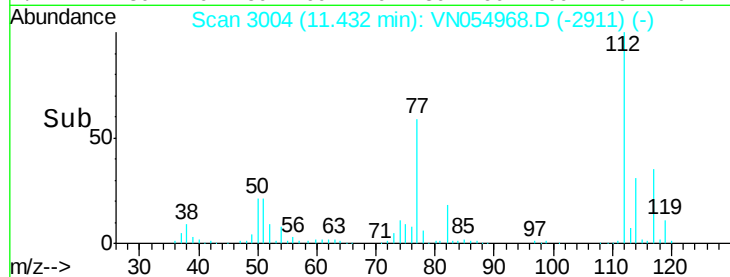
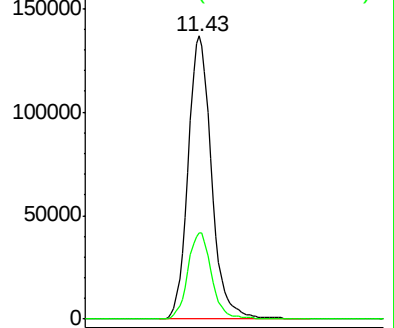
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.629 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

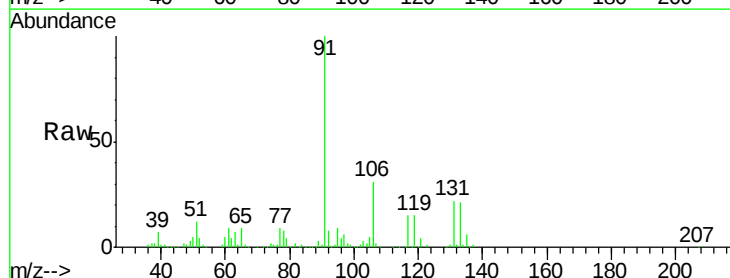
Tgt Ion:131 Resp: 94937

Ion Ratio Lower Upper

131 100

133 94.5 48.1 144.4

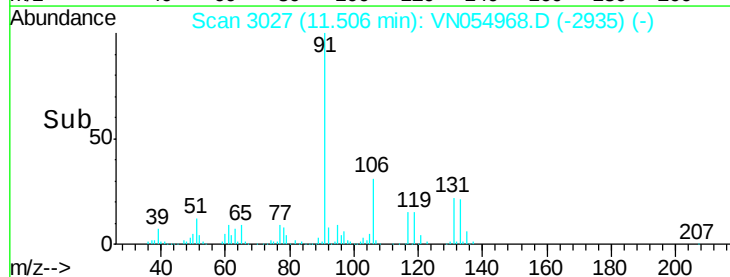
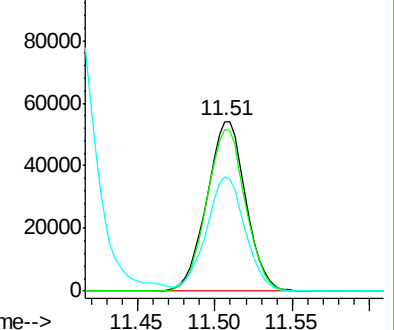
119 66.8 33.1 99.2

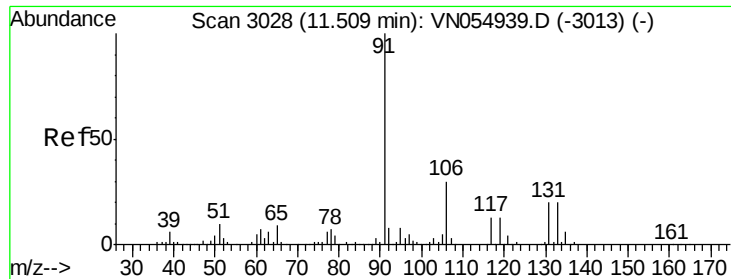


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.987 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampled :

VN0405WBSD01

Tot Ion: 91 Resp: 452984

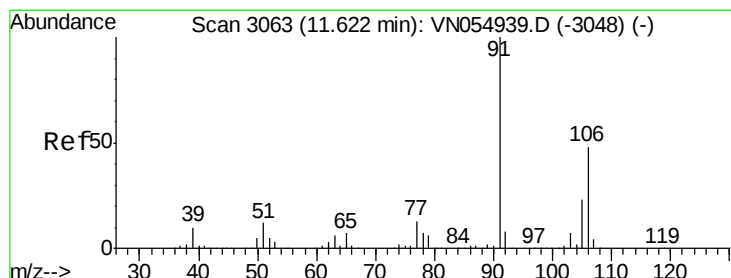
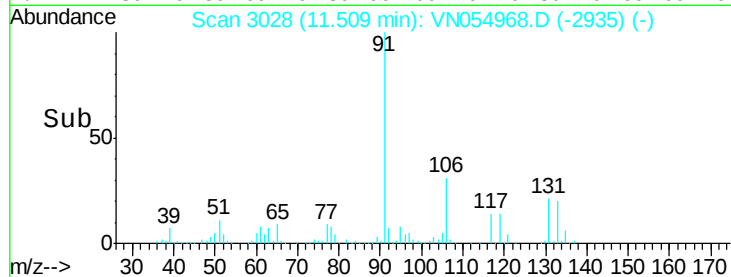
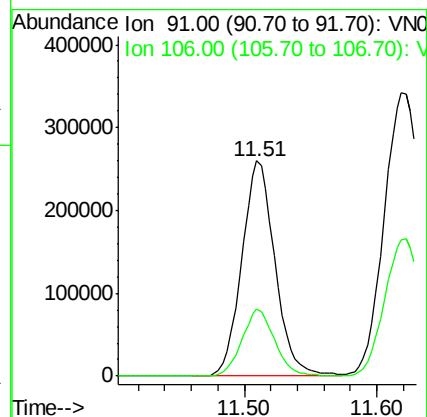
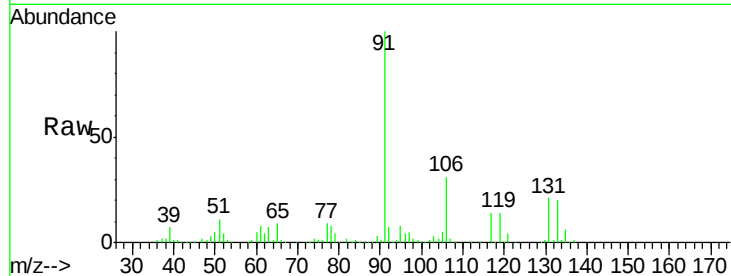
Ion Ratio Lower Upper

91 100

106 31.0 24.1 36.1

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#68

m/p-Xylenes

Concen: 39.963 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054968.D

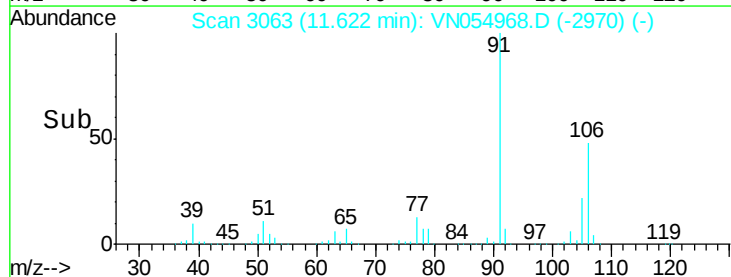
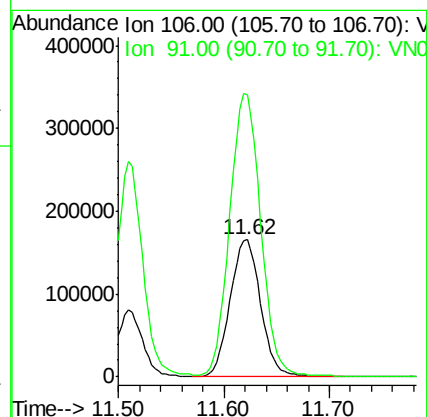
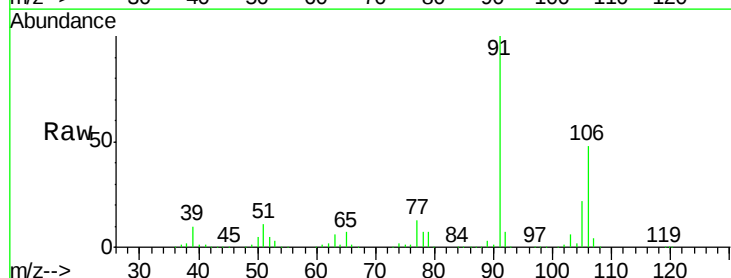
Acq: 5 Apr 2019 12:12

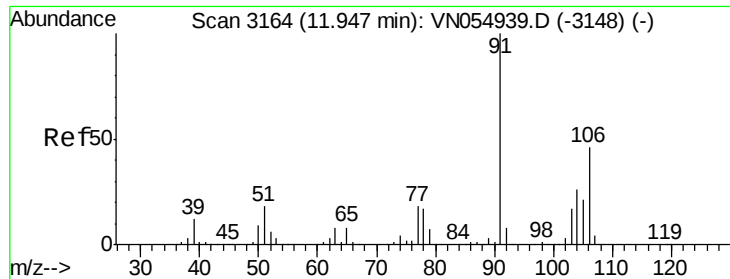
Tgt Ion: 106 Resp: 331089

Ion Ratio Lower Upper

106 100

91 210.8 167.4 251.2





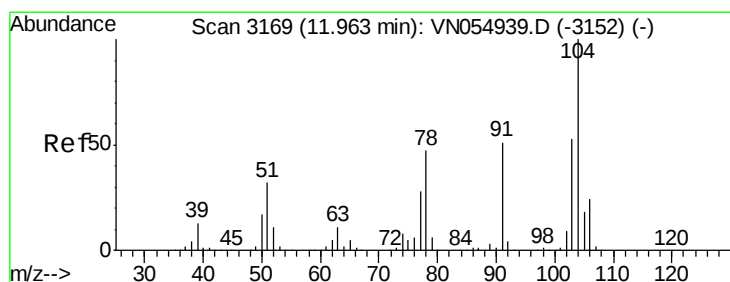
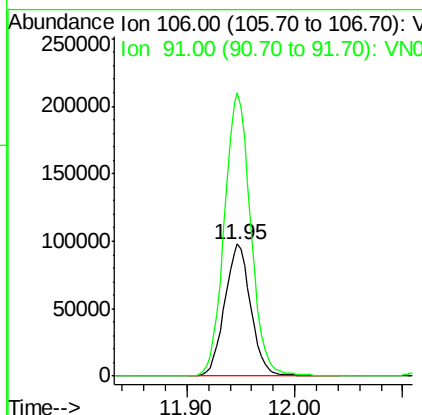
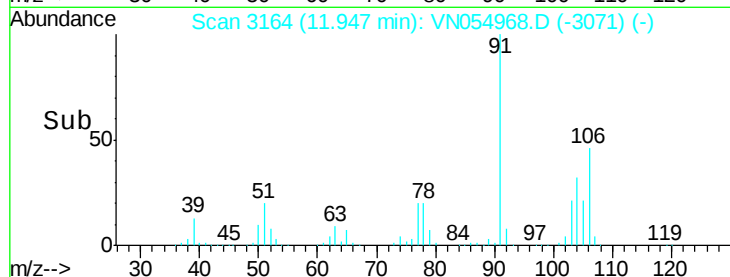
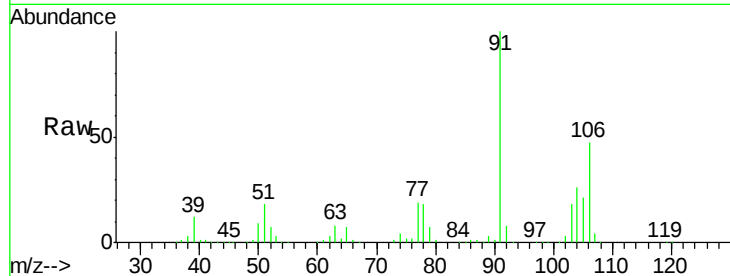
#69
o-Xylene
Concen: 20.373 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBSD01

Tot Ion:106 Resp: 164641
Ion Ratio Lower Upper
106 100
91 217.4 109.9 329.7

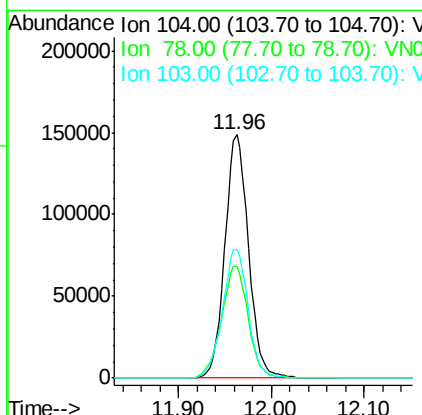
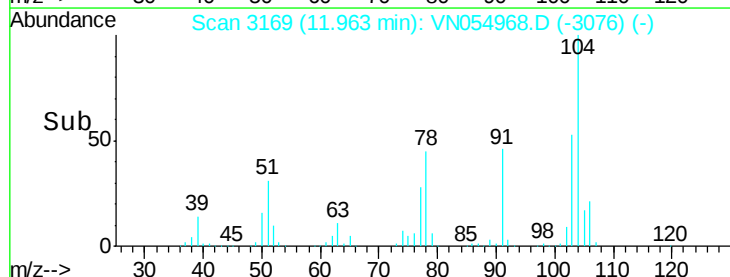
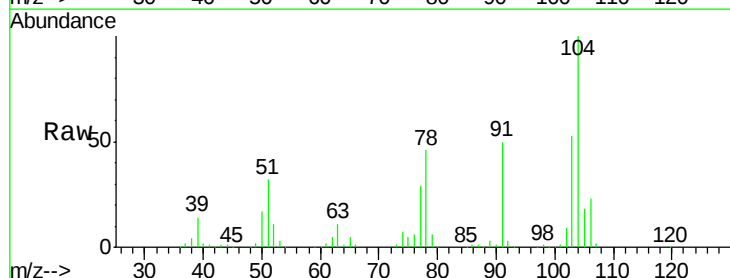
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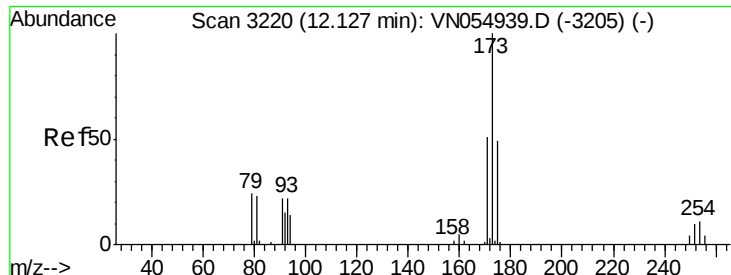
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#70
Styrene
Concen: 20.277 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion:104 Resp: 262831
Ion Ratio Lower Upper
104 100
78 51.8 41.1 61.7
103 57.7 45.0 67.4





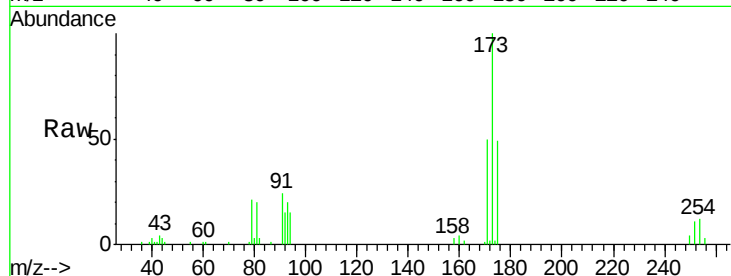
#71
Bromoform
Concen: 18.654 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBSD01

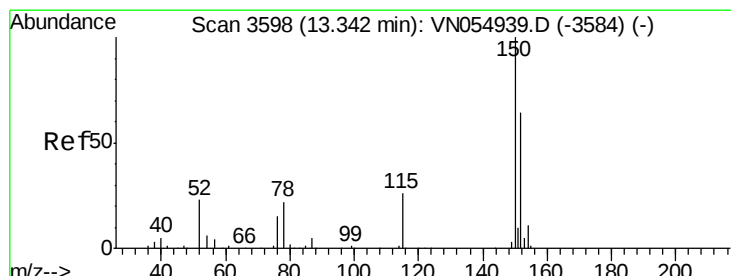
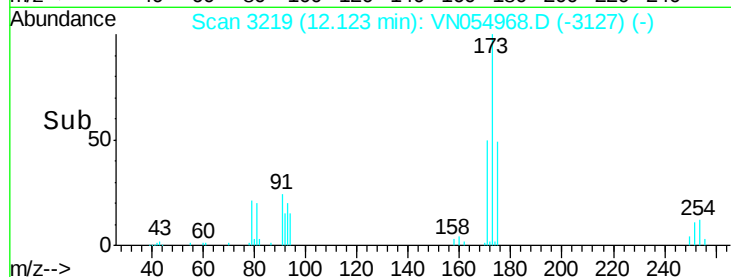
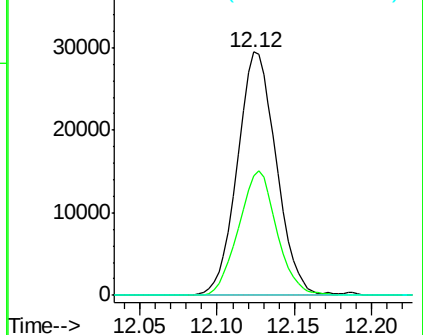
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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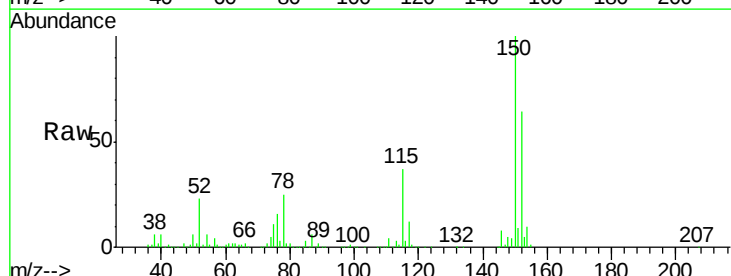


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

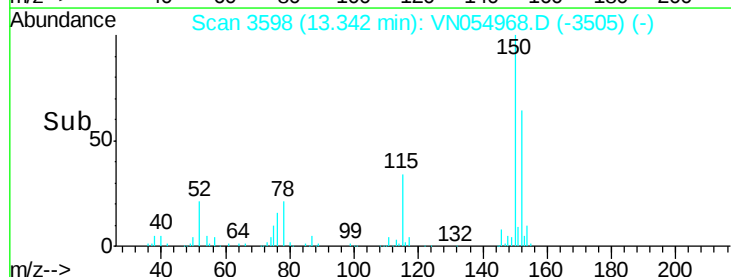
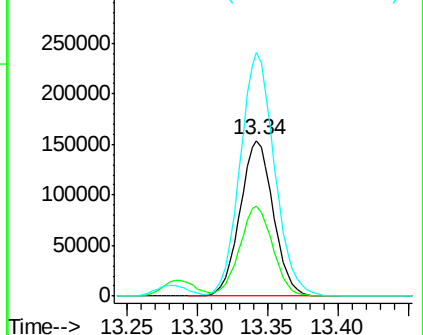


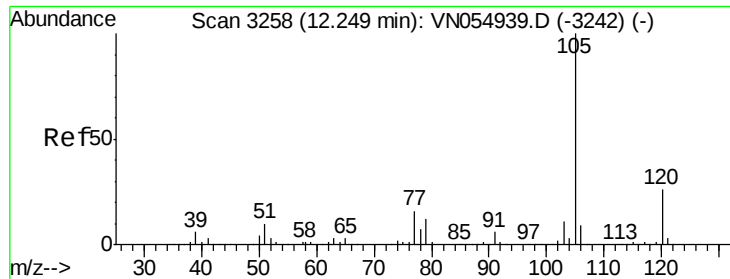
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.9	86.8
150	162.4	0.0	345.4



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: 20.286 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampled :

VN0405WBSD01

Tot Ion: 105 Resp: 434850

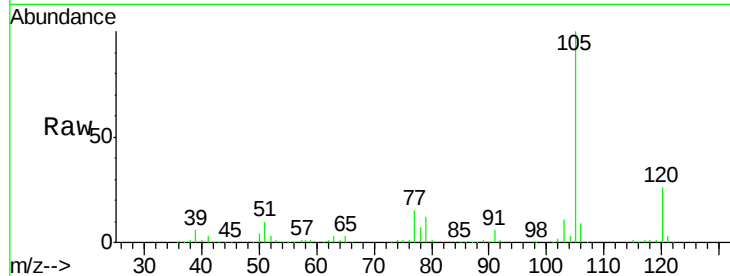
Ion Ratio Lower Upper

105 100

120 26.5 13.0 39.0

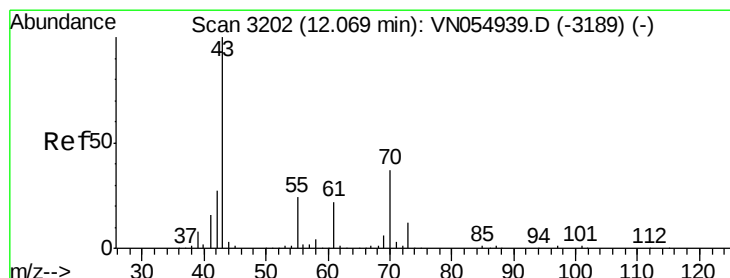
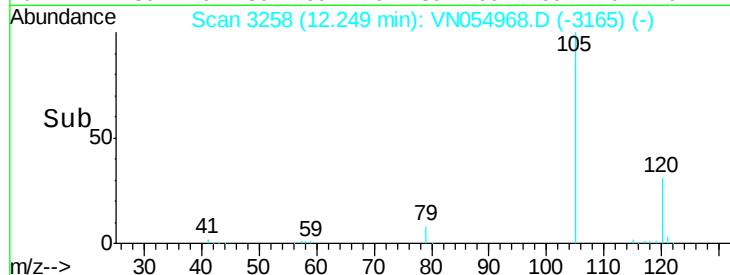
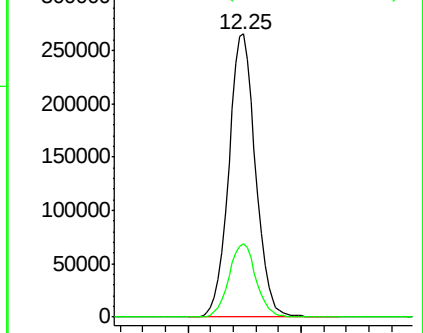
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.257 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Tgt Ion: 43 Resp: 120698

Ion Ratio Lower Upper

43 100

70 36.9 29.3 43.9

55 24.9 19.2 28.8

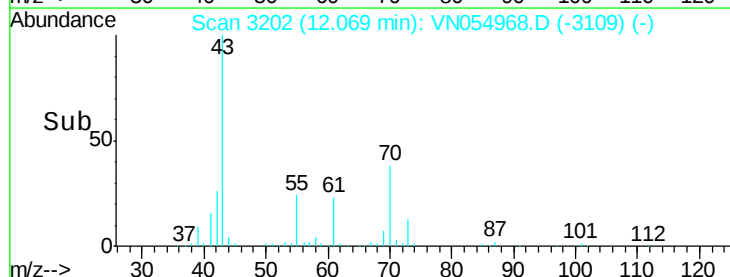
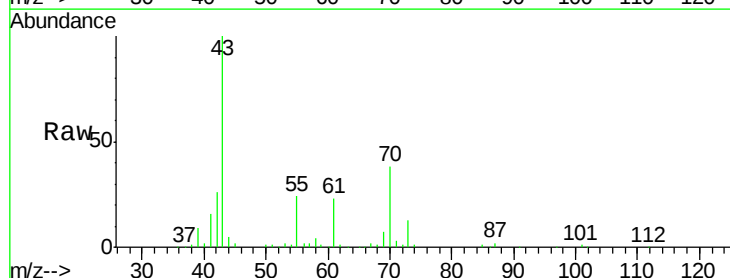
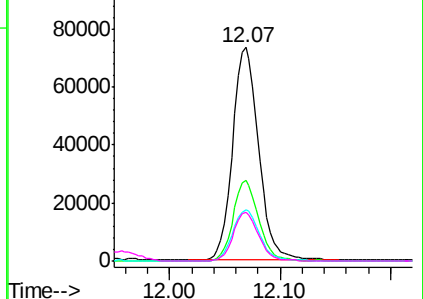
61 22.3 17.4 26.2

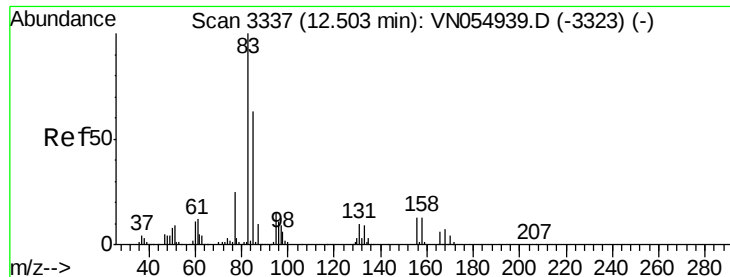
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.768 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

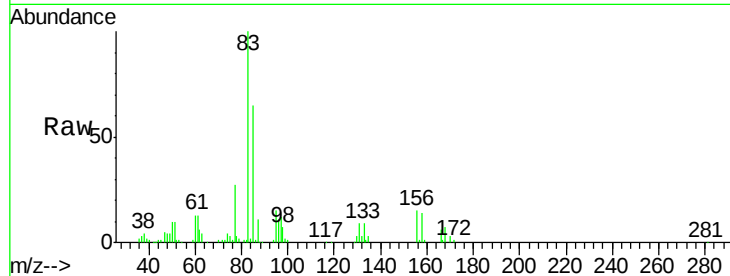
ClientSampleId :

VN0405WBSD01

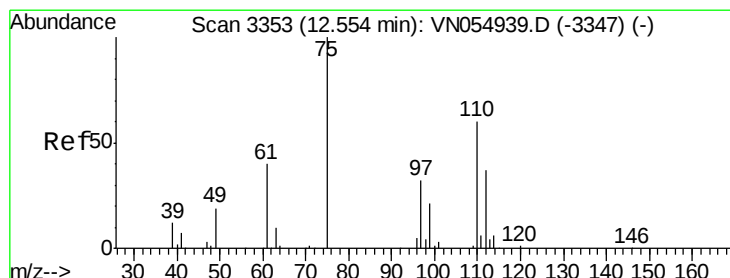
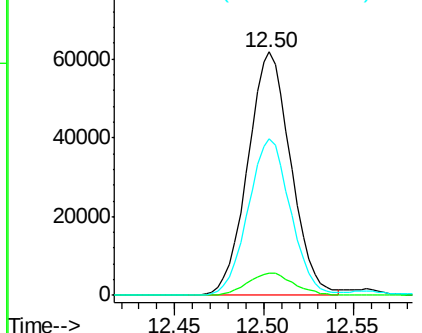
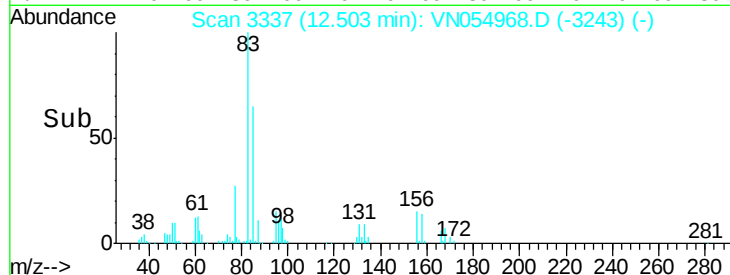
Tot Ion:	83	Resp:	104143
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	15.0
85	63.5	31.4	94.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN054968.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 20.938 ug/l m

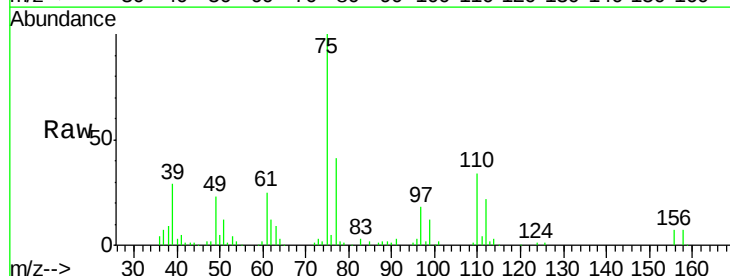
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

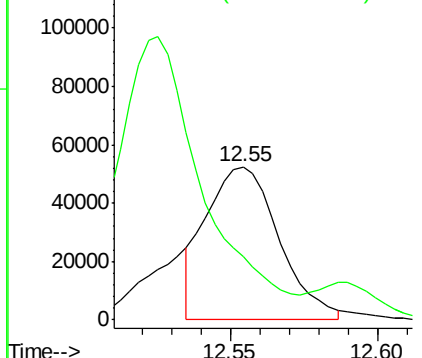
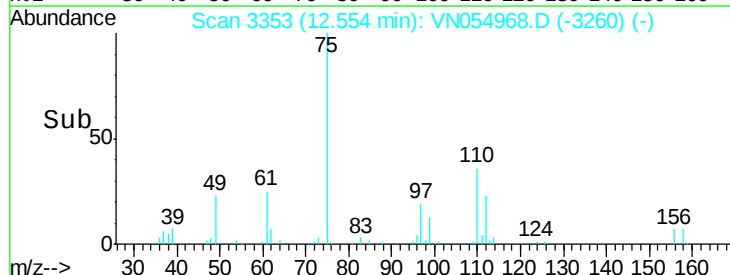
Lab File: VN054968.D

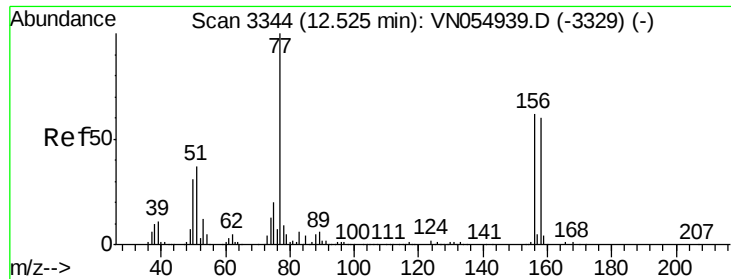
Acq: 5 Apr 2019 12:12

Tgt Ion:	75	Resp:	90186
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054968.D (-3260) (-)





#77

Bromobenzene

Concen: 19.813 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

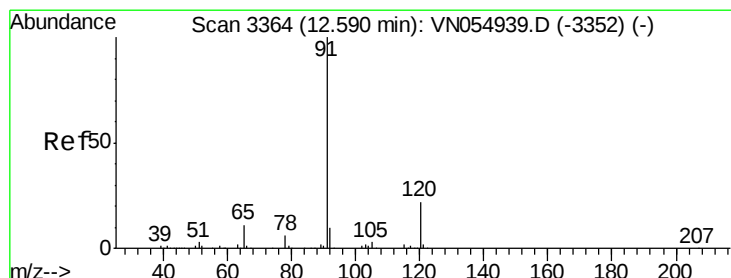
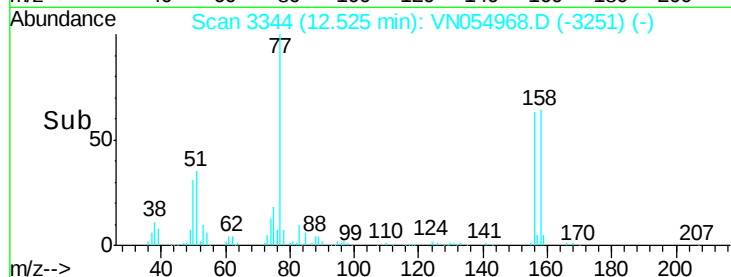
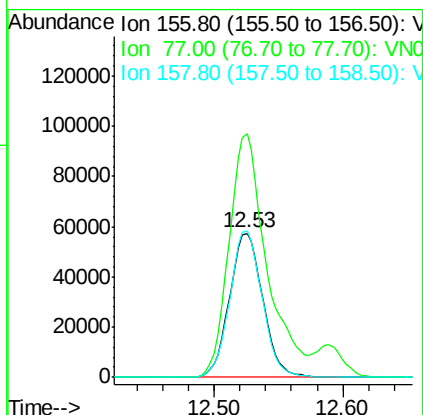
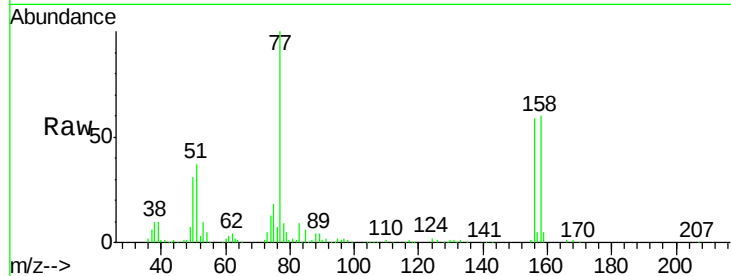
ClientSampleId :

VN0405WBSD01

Tot Ion:	156	Resp:	102852
Ion Ratio	Lower	Upper	
156	100		
77	192.2	93.1	279.3
158	99.2	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 20.216 ug/l

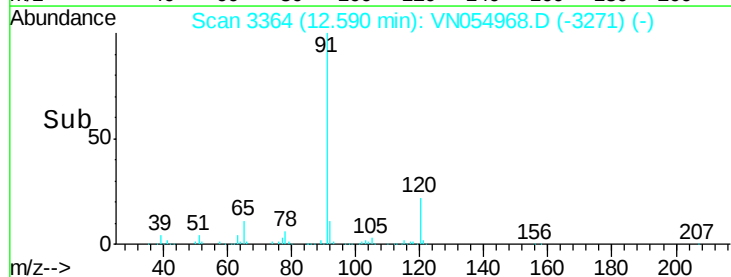
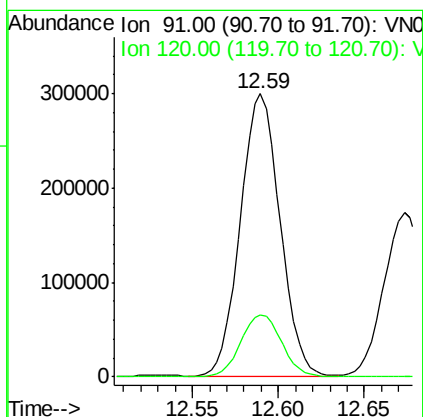
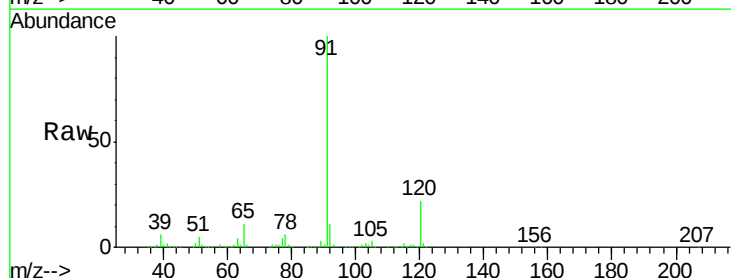
RT: 12.59 min Scan# 3364

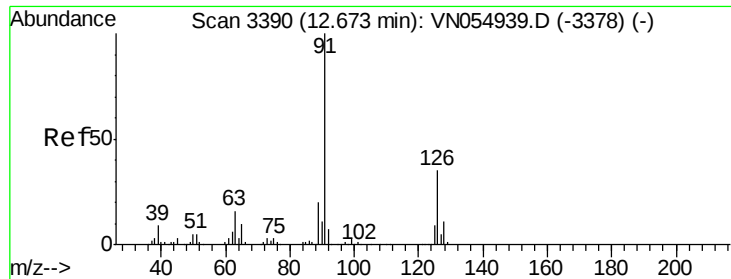
Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Tgt Ion:	91	Resp:	477446
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.2	33.6





#79

2-Chlorotoluene

Concen: 20.011 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0405WBSD01

Tot Ion: 91 Resp: 292894

Ion Ratio Lower Upper

91 100

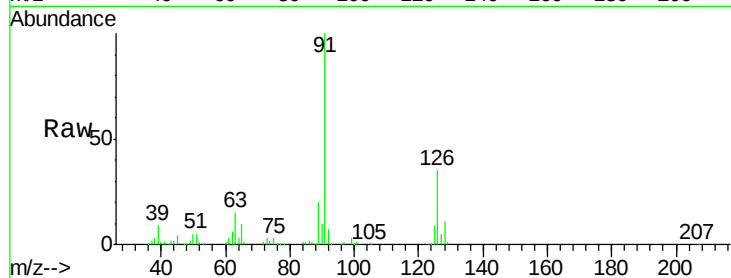
126 34.8 17.4 52.2

Manual Integrations

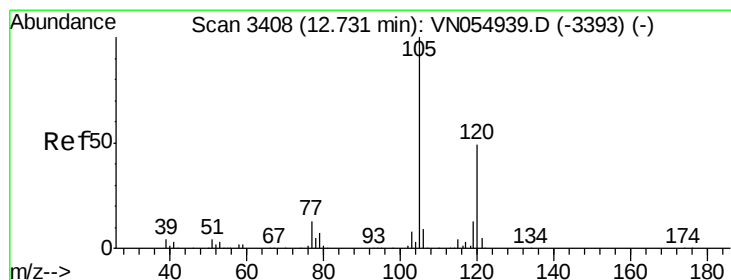
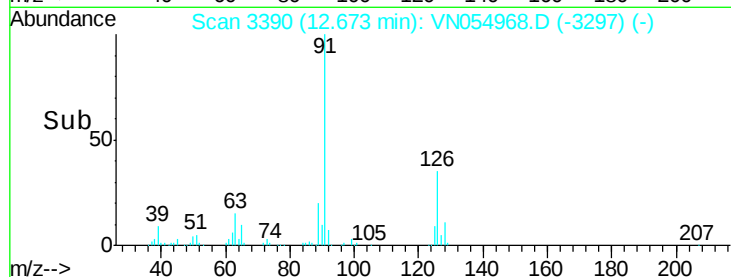
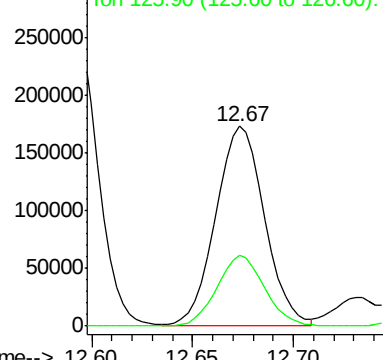
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Abundance Ion 91.00 (90.70 to 91.70): VN054939.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.286 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054968.D

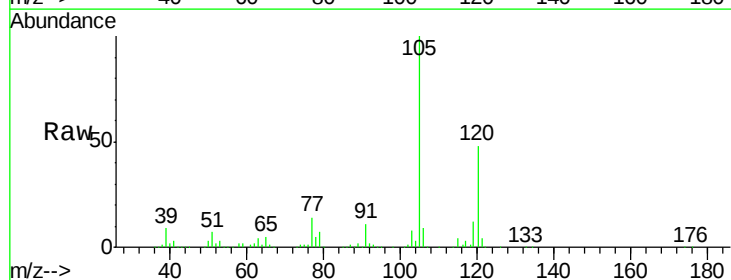
Acq: 5 Apr 2019 12:12

Tgt Ion: 105 Resp: 357130

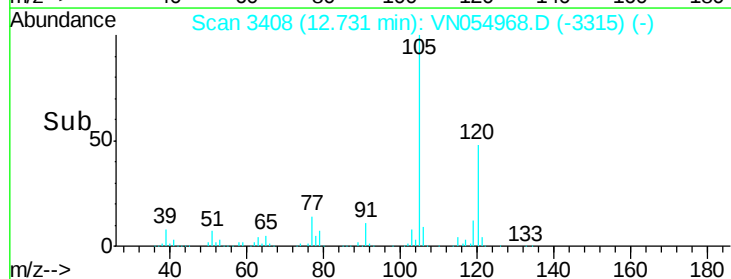
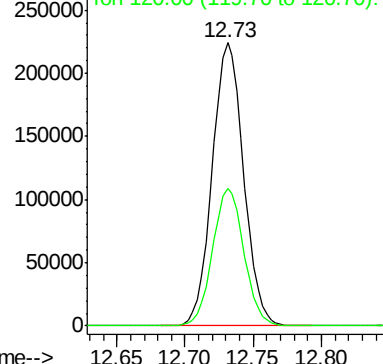
Ion Ratio Lower Upper

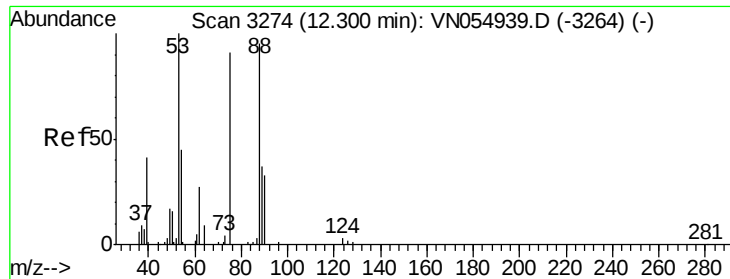
105 100

120 48.5 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VN054939.D (-3393) (-)





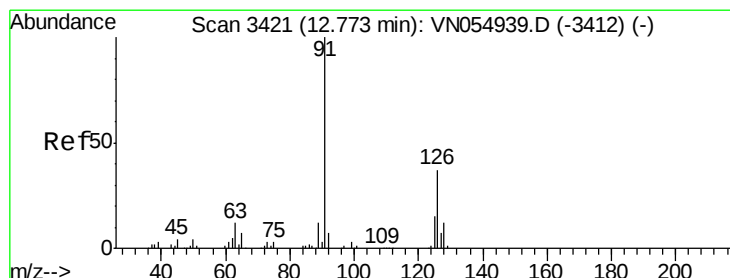
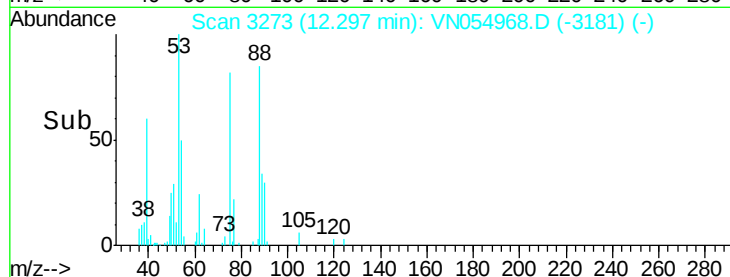
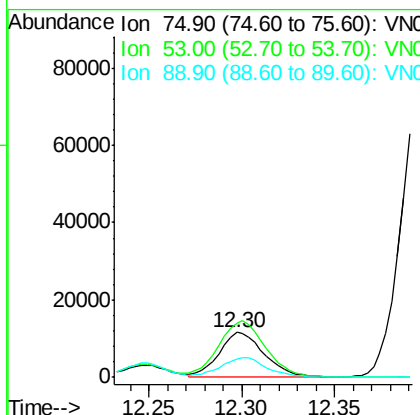
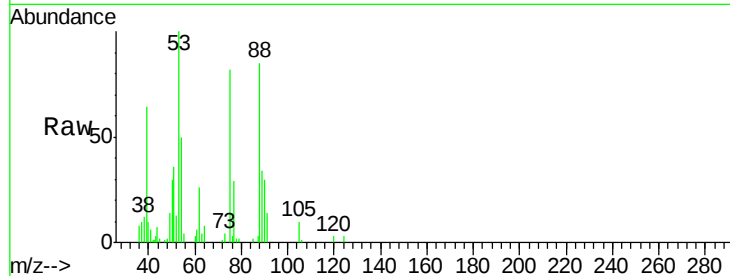
#81
trans-1,4-Dichloro-2-butene
Concen: 18.123 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	131.6	92.8	139.2
89	44.4	36.7	55.1

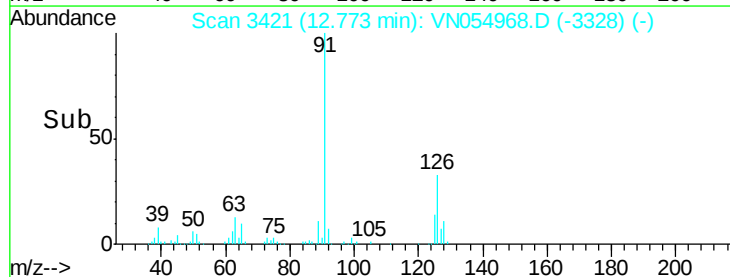
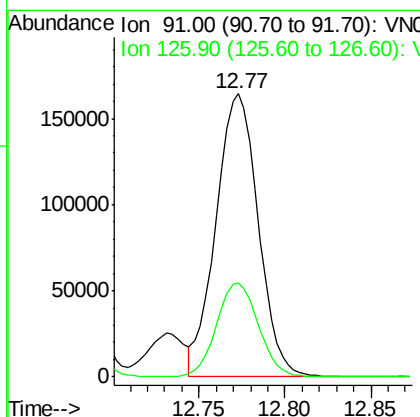
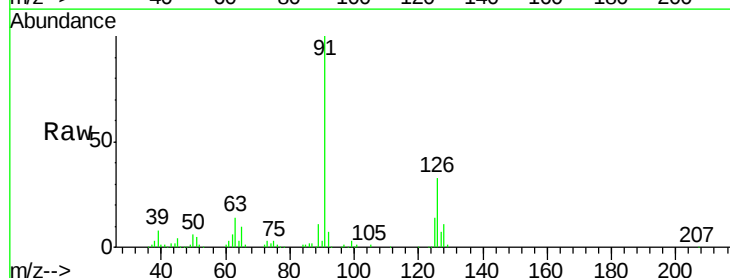
Manual Integrations
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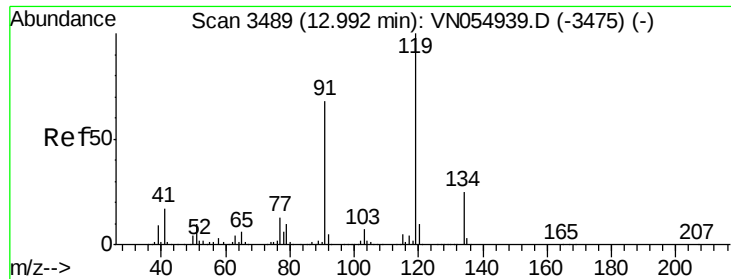
MMDadoda
4/8/2019 3:34:08 AM



#82
4-Chlorotoluene
Concen: 20.232 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.9	50.7





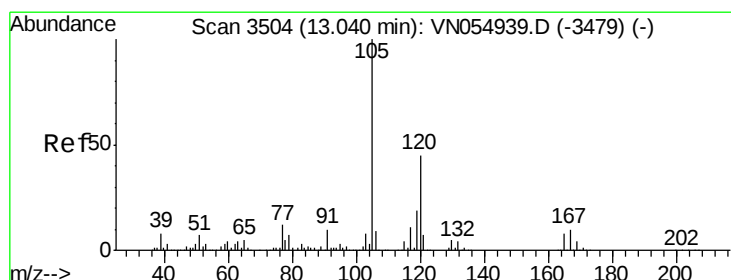
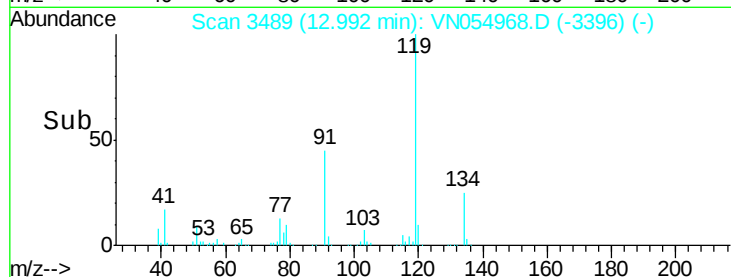
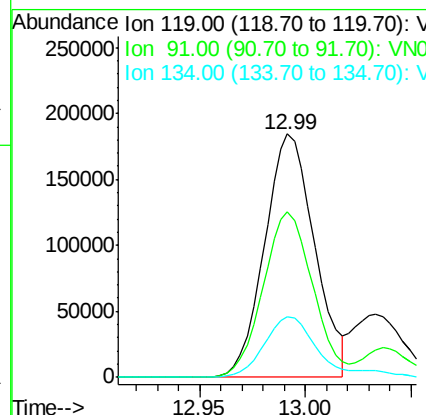
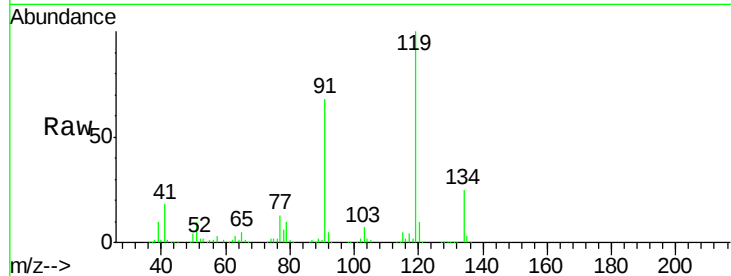
#83
 tert-Butylbenzene
 Concen: 20.315 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	33.5	100.5
134	24.9	12.4	37.0

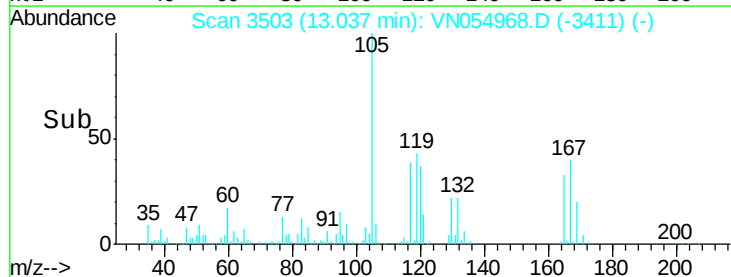
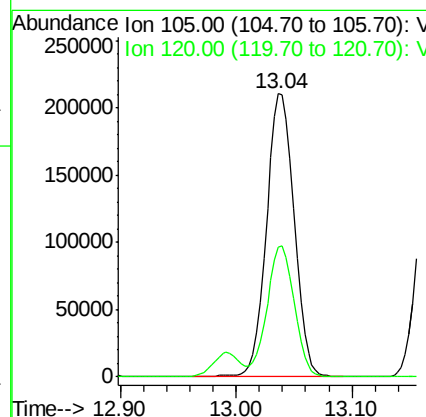
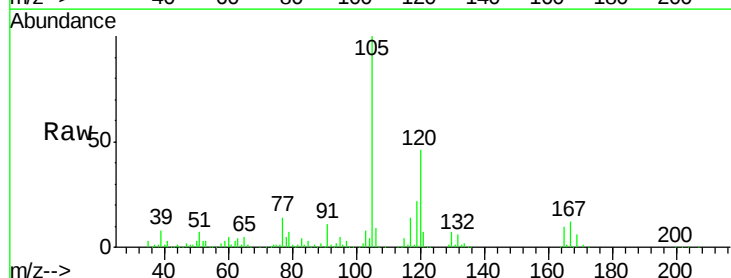
Manual Integrations
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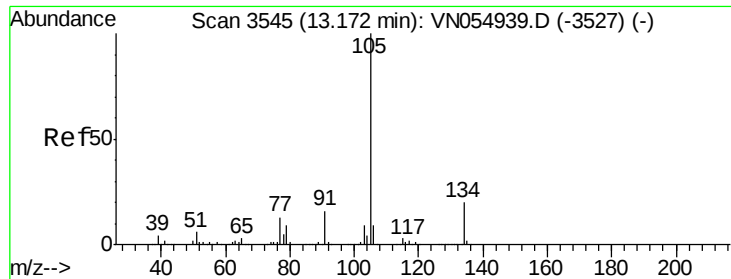
MMDadoda
 4/8/2019 3:34:08 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.516 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.4	67.3





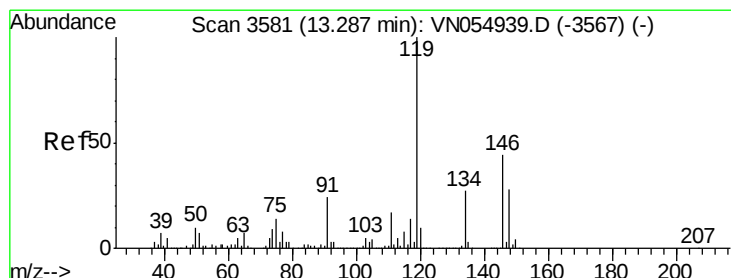
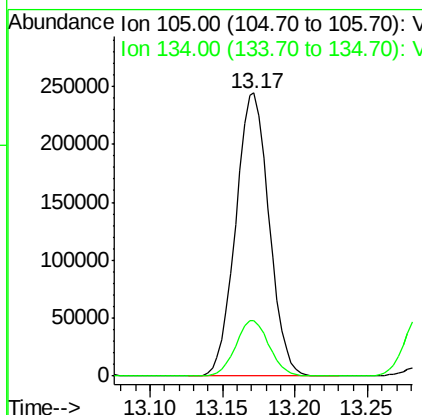
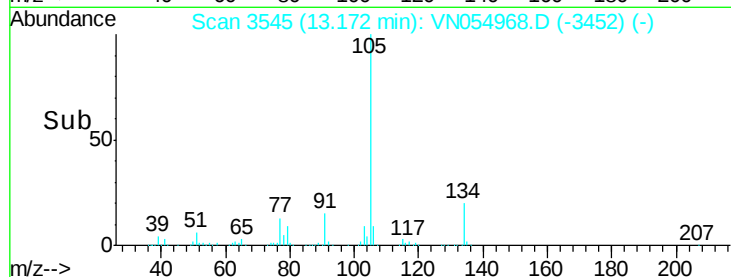
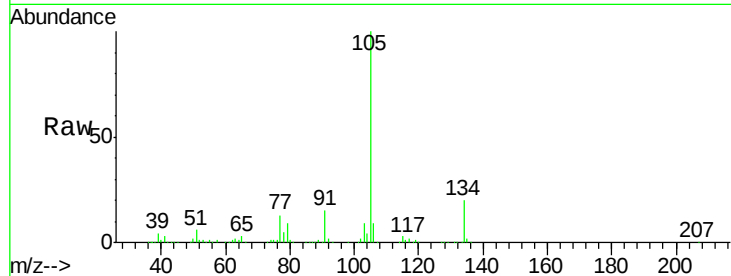
#85
 sec-Butylbenzene
 Concen: 20.155 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

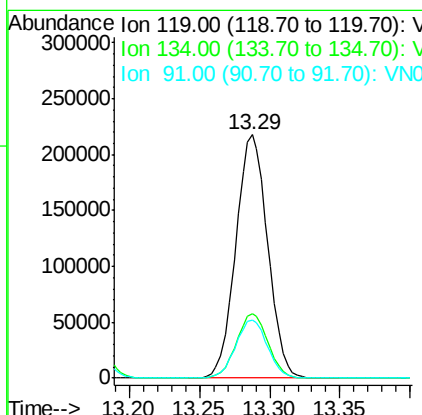
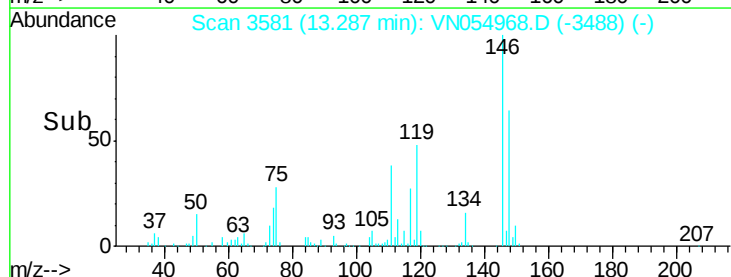
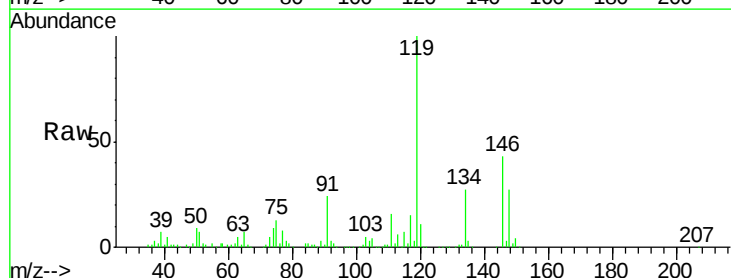
Manual Integrations
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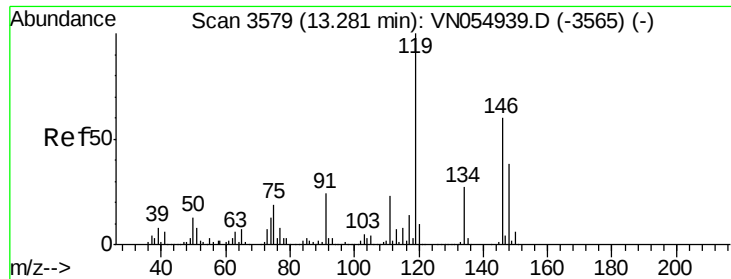
MMDadoda
 4/8/2019 3:34:08 AM



#86
 p-Isopropyltoluene
 Concen: 20.531 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.5	40.5
91	24.1	11.9	35.7





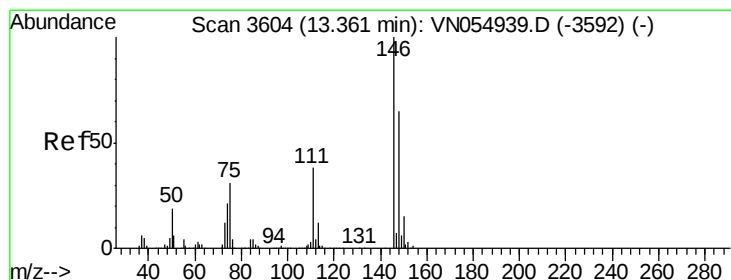
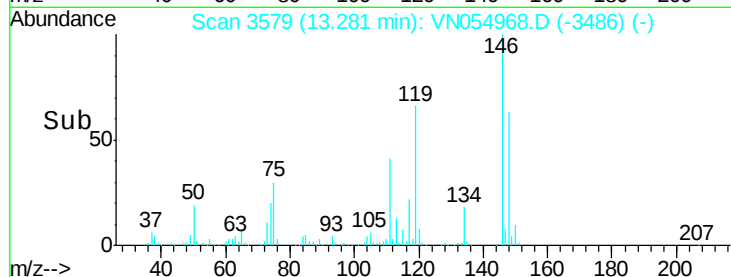
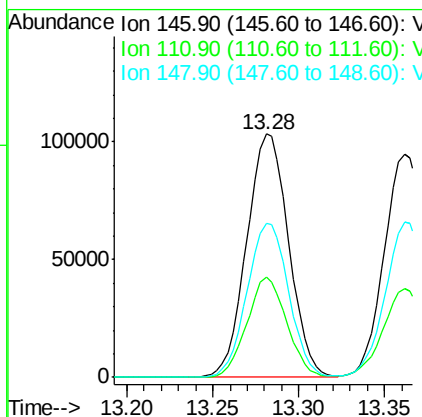
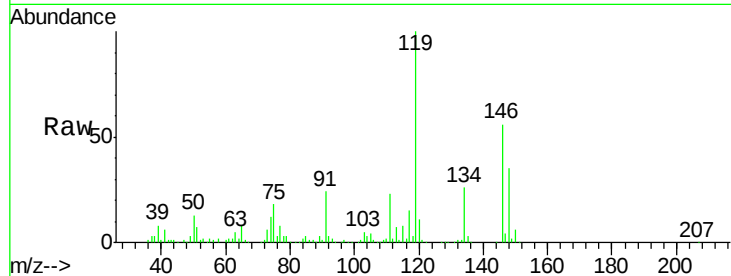
#87
 1,3-Dichlorobenzene
 Concen: 20.261 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	62.8	31.7	95.1

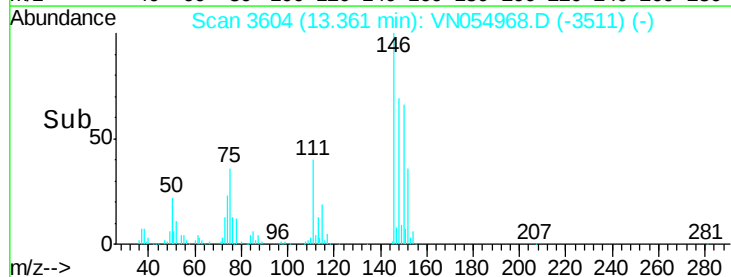
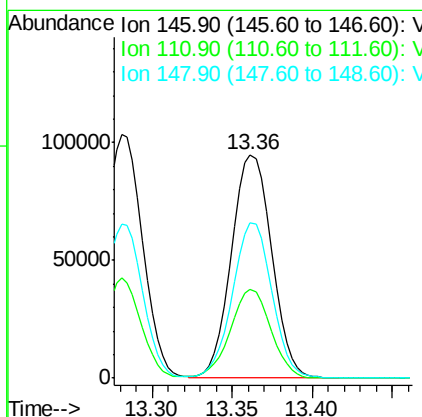
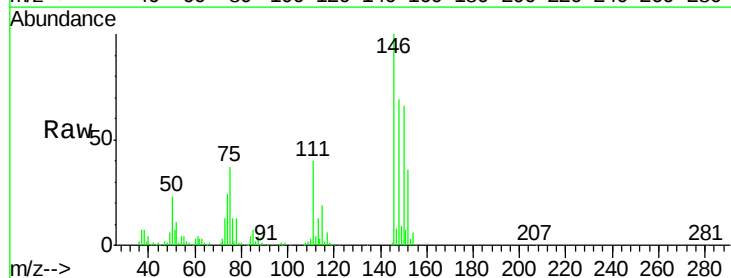
Manual Integrations
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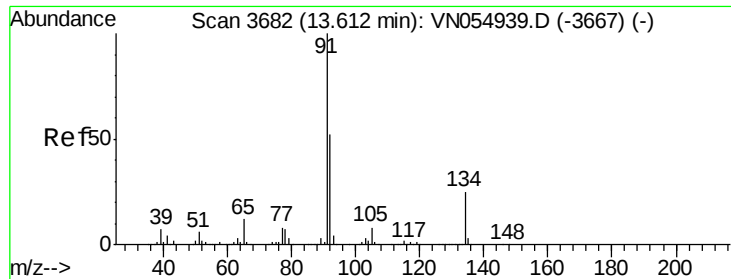
MMDadoda
 4/8/2019 3:34:08 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.887 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.2	57.6
148	67.8	31.9	95.7





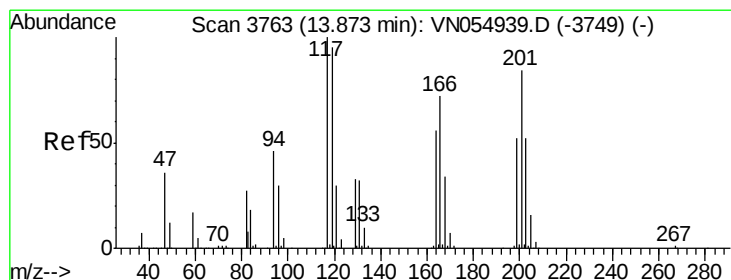
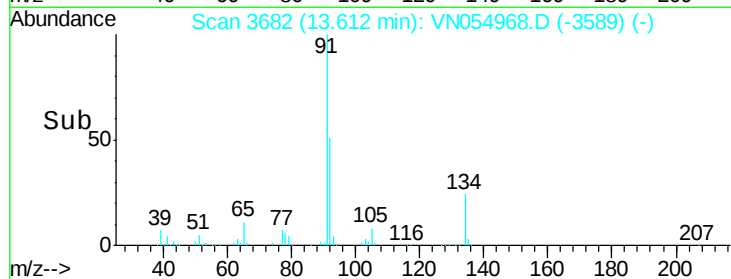
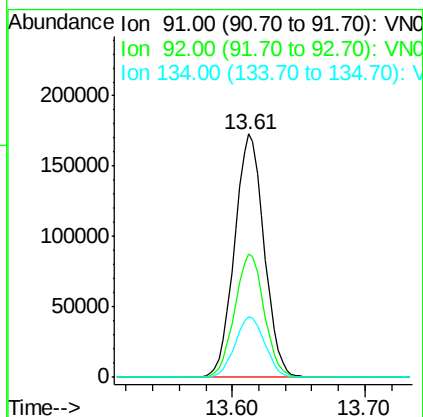
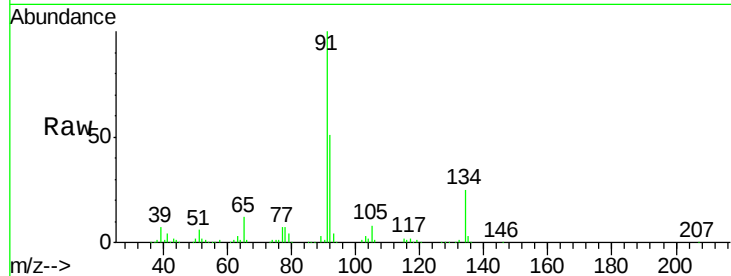
#89
n-Butylbenzene
Concen: 20.071 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0405WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.1	78.2
134	25.1	12.6	37.8

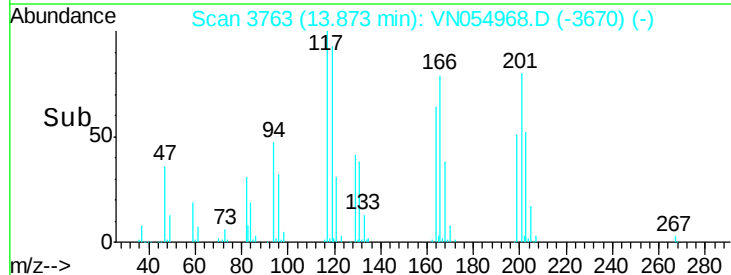
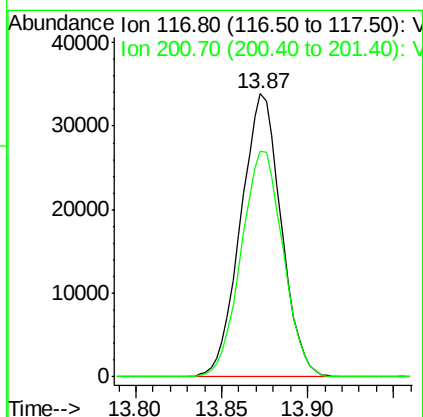
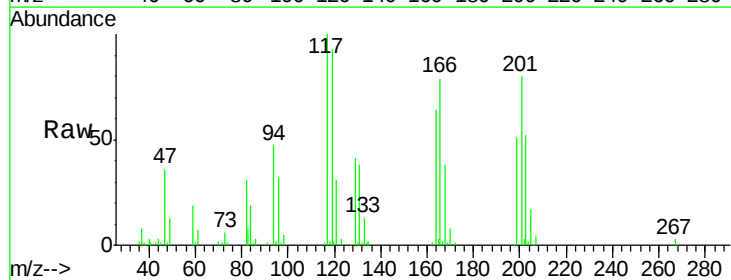
Manual Integrations
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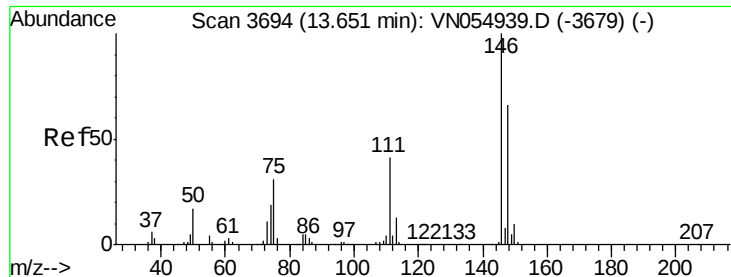
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#90
Hexachloroethane
Concen: 19.696 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054968.D
Acq: 5 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.6	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 20.367 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

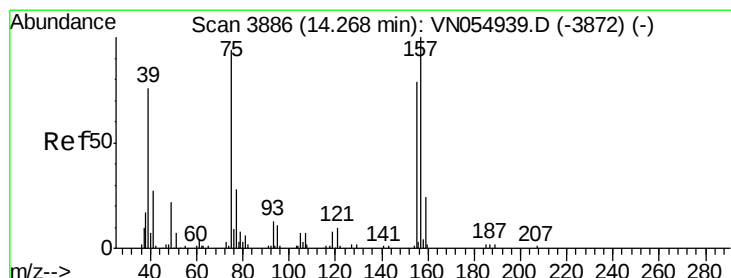
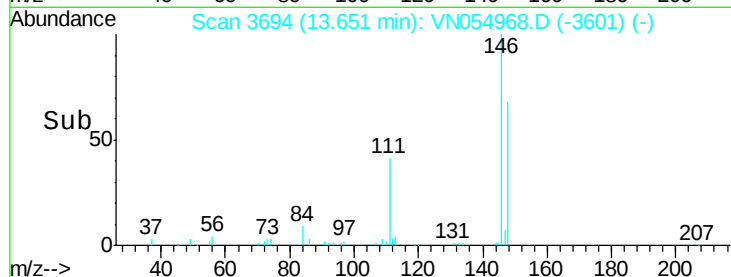
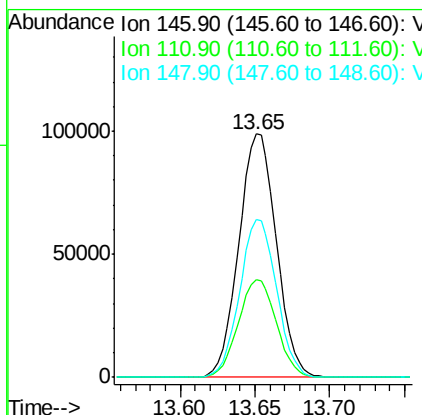
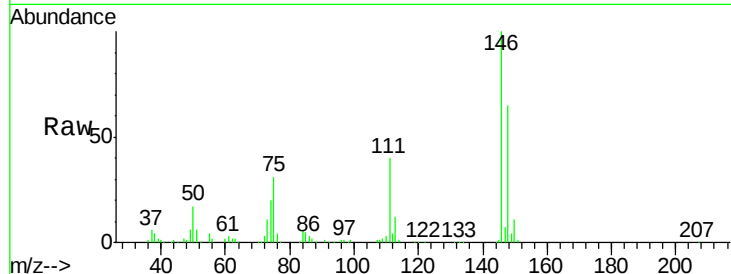
ClientSampleId :

VN0405WBSD01

Tot Ion:	146	Resp:	172674
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.2	60.5
148	63.6	32.1	96.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.898 ug/l

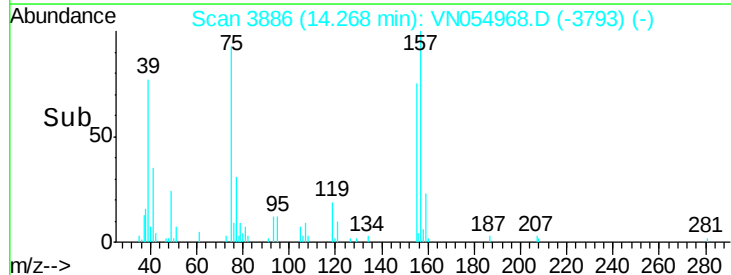
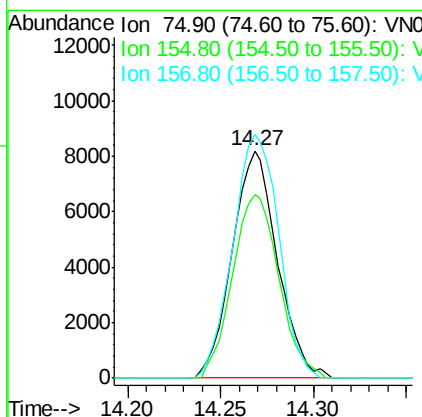
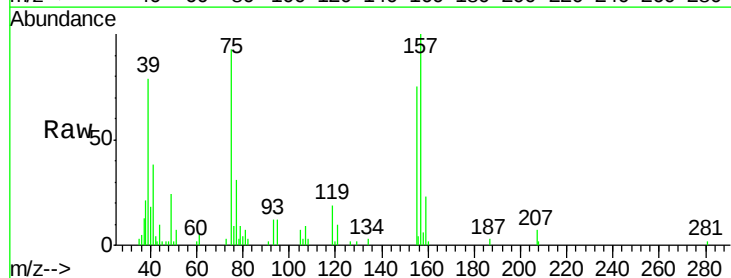
RT: 14.27 min Scan# 3886

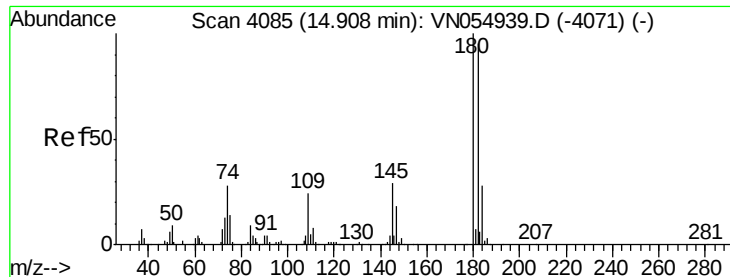
Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Tgt Ion:	75	Resp:	13866
Ion Ratio	Lower	Upper	
75	100		
155	82.8	41.5	124.6
157	109.2	54.4	163.2





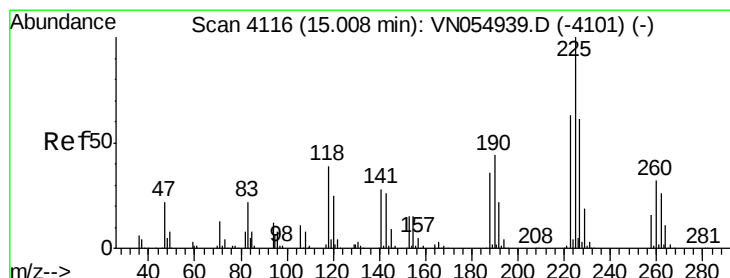
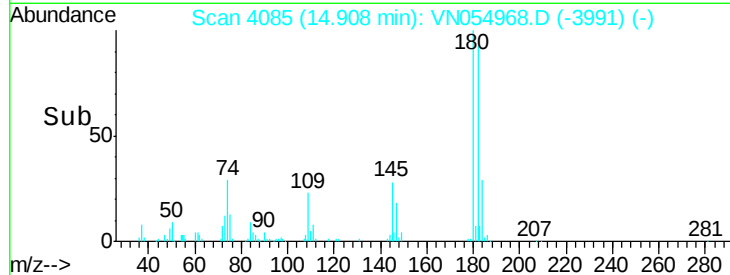
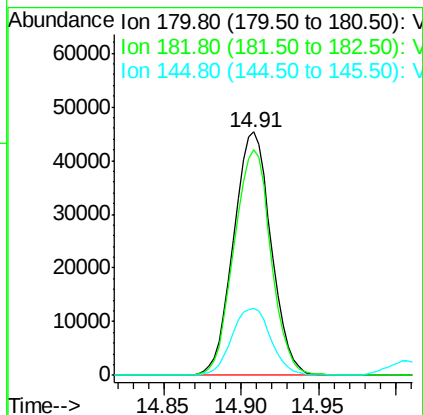
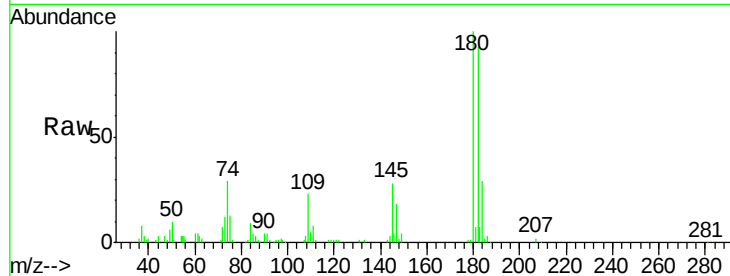
#93
 1,2,4-Trichlorobenzene
 Concen: 18.861 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0405WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.3	47.5	142.6
145	28.7	14.6	43.8

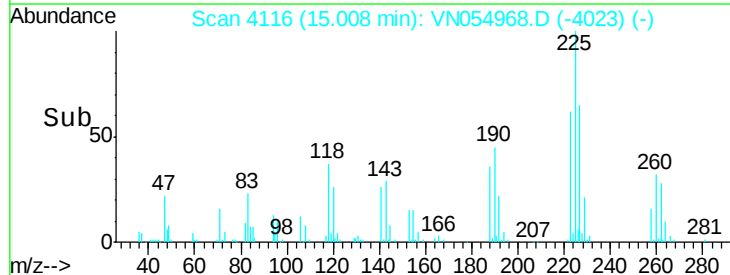
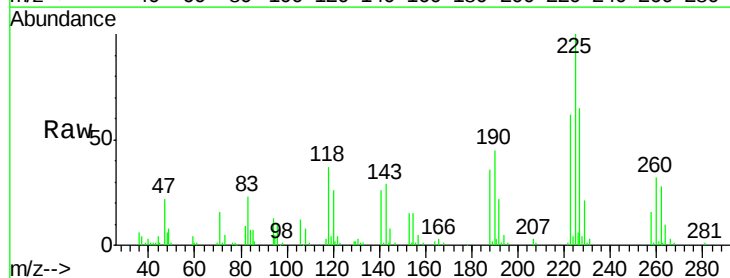
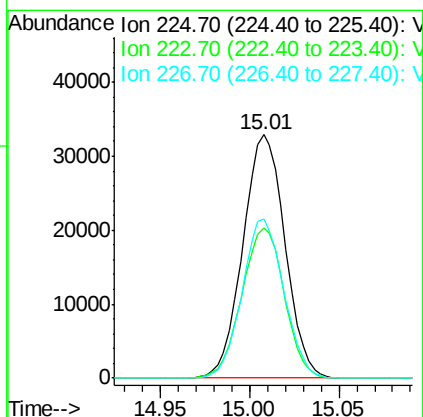
Manual Integrations
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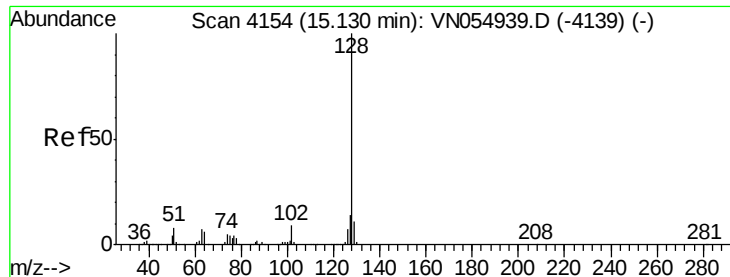
MMDadoda
 4/8/2019 3:34:08 AM



#94
 Hexachlorobutadiene
 Concen: 19.131 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054968.D
 Acq: 5 Apr 2019 12:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.5
227	64.2	30.9	92.5





#95

Naphthalene

Concen: 18.322 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Instrument :

MSVOA_N

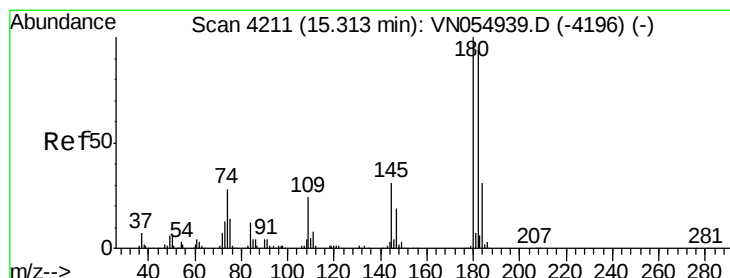
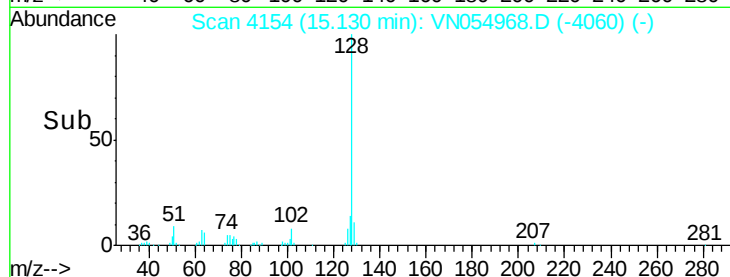
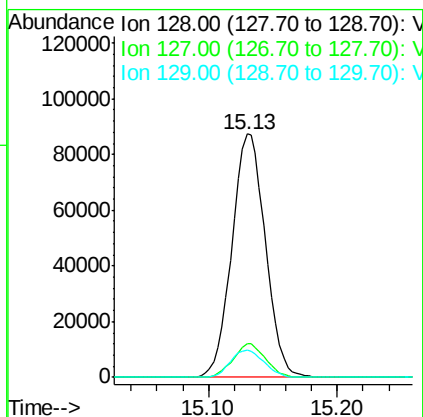
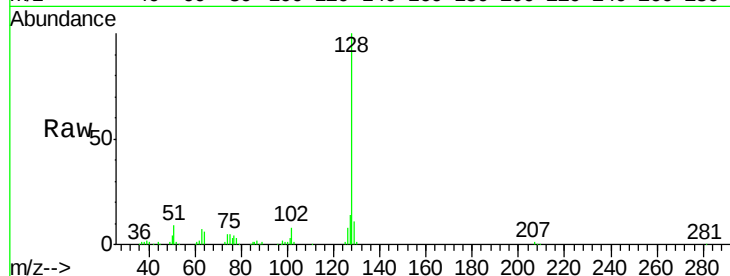
ClientSampleId :

VN0405WBSD01

Tot Ion:	128	Resp:	157468
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	11.1	8.6	13.0

Manual Integrations
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4/8/2019 3:34:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.023 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054968.D

Acq: 5 Apr 2019 12:12

Tgt Ion:	180	Resp:	74064
Ion Ratio	Lower	Upper	
180	100		
182	97.3	47.5	142.5
145	31.7	15.6	46.8

