

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054947.D
 Acq On : 4 Apr 2019 15:07
 Operator : JC/SP
 Sample : VN0404WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 1:43:33 PM

Quant Time: Apr 05 03:39:23 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	429821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	720721	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	622161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	258419	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	300354	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
35) Dibromofluoromethane	7.59	113	242036	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	10.09	98	903452	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	296449	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	110444	21.489	ug/l	98
3) Chloromethane	2.06	50	137090	20.174	ug/l	98
4) Vinyl Chloride	2.19	62	120352	20.271	ug/l	98
5) Bromomethane	2.58	94	67899	20.034	ug/l	93
6) Chloroethane	2.71	64	66677	20.135	ug/l	100
7) Trichlorofluoromethane	3.02	101	150044	20.814	ug/l	97
8) Diethyl Ether	3.41	74	47895	20.861	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	75744	19.831	ug/l	98
10) Methyl Iodide	3.95	142	105254	19.550	ug/l	99
11) Tert butyl alcohol	4.82	59	33061	113.052	ug/l #	90
12) 1,1-Dichloroethene	3.73	96	74781	19.738	ug/l	98
13) Acrolein	3.61	56	45865	105.938	ug/l	96
14) Allyl chloride	4.32	41	177238	21.078	ug/l	98
15) Acrylonitrile	5.00	53	184937	105.457	ug/l	100
16) Acetone	3.82	43	155537	96.412	ug/l	99
17) Carbon Disulfide	4.04	76	238793	19.800	ug/l	99
18) Methyl Acetate	4.33	43	81273	21.130	ug/l	100
19) Methyl tert-butyl Ether	5.06	73	257608	20.962	ug/l	99
20) Methylene Chloride	4.54	84	105474	20.053	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	95092	20.096	ug/l	98
22) Diisopropyl ether	5.96	45	356513	20.644	ug/l	91
23) Vinyl Acetate	5.90	43	1274115	106.025	ug/l	99
24) 1,1-Dichloroethane	5.85	63	193672	20.565	ug/l	99
25) 2-Butanone	6.85	43	231473	108.777	ug/l	99
26) 2,2-Dichloropropane	6.82	77	133130	20.165	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	109433	20.387	ug/l	100
28) Bromochloromethane	7.20	49	89762	20.345	ug/l	97
29) Tetrahydrofuran	7.22	42	153106	109.771	ug/l	99
30) Chloroform	7.37	83	186322	20.876	ug/l	99
31) Cyclohexane	7.65	56	188675	20.210	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	151767	20.150	ug/l	99
36) 1,1-Dichloropropene	7.79	75	135154	18.926	ug/l	98
37) Ethyl Acetate	6.94	43	102767	20.970	ug/l	98
38) Carbon Tetrachloride	7.77	117	132047	19.147	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	156494	19.920	ug/l	97
40) Benzene	8.04	78	418204	20.352	ug/l	98
41) Methacrylonitrile	7.18	41	59730	21.316	ug/l	97
42) 1,2-Dichloroethane	8.13	62	143527	19.877	ug/l	99
43) Isopropyl Acetate	8.17	43	171386	20.751	ug/l	100
44) Trichloroethene	8.83	130	105640	20.106	ug/l	97
45) 1,2-Dichloropropane	9.12	63	116471	20.343	ug/l	99
46) Dibromomethane	9.21	93	65915	20.302	ug/l	99
47) Bromodichloromethane	9.40	83	133669	19.601	ug/l	97
48) Methyl methacrylate	9.20	41	85816	20.525	ug/l	99
49) 1,4-Dioxane	9.20	88	18277	433.088	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	483413	104.917	ug/l	98
52) Toluene	10.16	92	242361	20.010	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	123483	18.827	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	152154	19.824	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	89289	20.333	ug/l	99
56) Ethyl methacrylate	10.43	69	113417	19.753	ug/l	96
57) 1,3-Dichloropropane	10.71	76	158464	20.662	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	235967	98.727	ug/l	98
59) 2-Hexanone	10.75	43	306673	106.559	ug/l	98
60) Dibromochloromethane	10.90	129	89656	19.491	ug/l	99
61) 1,2-Dibromoethane	11.01	107	84956	20.575	ug/l	98
64) Tetrachloroethene	10.63	164	99866	19.902	ug/l	99
65) Chlorobenzene	11.43	112	256796	20.250	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	96531	20.790	ug/l	98
67) Ethyl Benzene	11.51	91	462155	20.212	ug/l	99
68) m/p-Xylenes	11.62	106	341605	40.869	ug/l	98
69) o-Xylene	11.95	106	162022	19.873	ug/l	97
70) Styrene	11.96	104	269334	20.595	ug/l	100
71) Bromoform	12.13	173	55575	19.914	ug/l #	100
73) Isopropylbenzene	12.25	105	437703	20.051	ug/l	99
74) N-amyl acetate	12.07	43	129635	21.365	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	107821	21.159	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	95725m	21.992	ug/l	
77) Bromobenzene	12.53	156	107140	20.266	ug/l	96
78) n-propylbenzene	12.59	91	487203	20.257	ug/l	100
79) 2-Chlorotoluene	12.67	91	299744	20.110	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	362057	20.195	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21851	19.532	ug/l	92
82) 4-Chlorotoluene	12.77	91	285781	20.270	ug/l	99
83) tert-Butylbenzene	12.99	119	308825	20.250	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	347284	20.021	ug/l	98
85) sec-Butylbenzene	13.17	105	395258	20.037	ug/l	100
86) p-Isopropyltoluene	13.29	119	347821	20.464	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	173167	19.691	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	167546	20.013	ug/l	99
89) n-Butylbenzene	13.61	91	274672	20.221	ug/l	99
90) Hexachloroethane	13.87	117	55515	19.444	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	173946	20.146	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15470	20.703	ug/l	96

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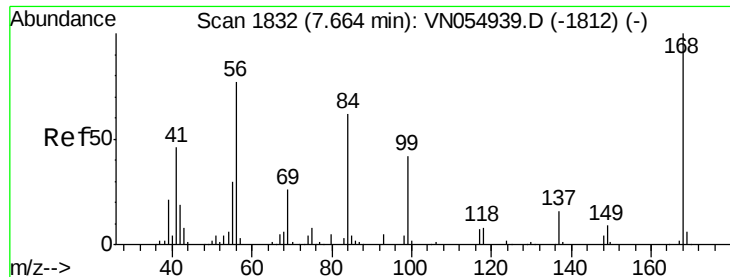
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	76917	18.672	ug/l	99
94) Hexachlorobutadiene	15.01	225	56148	19.438	ug/l	97
95) Naphthalene	15.13	128	160828	18.367	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	79158	19.965	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: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

Tgt Ion: 168 Resp: 429821

Ion Ratio Lower Upper

168 100

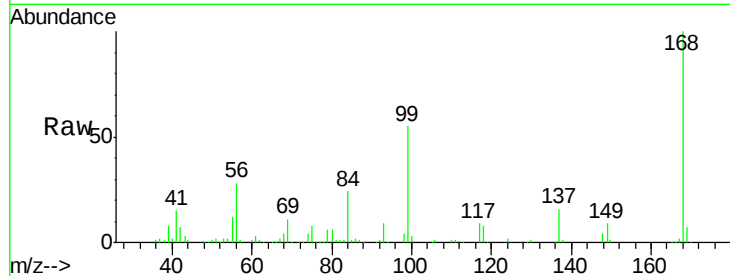
99 54.2 44.1 66.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

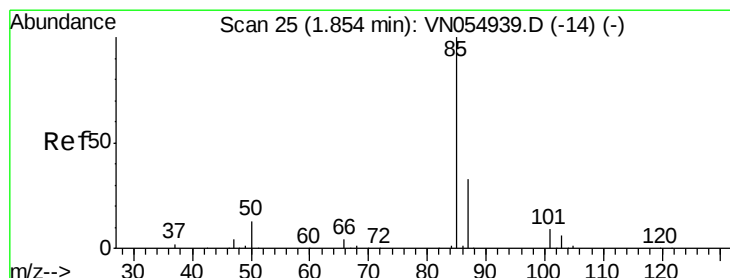
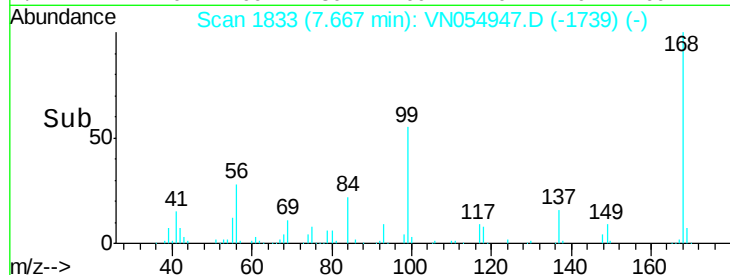
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.489 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054947.D

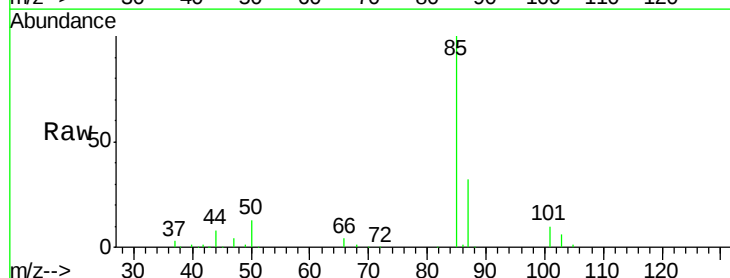
Acq: 4 Apr 2019 15:07

Tgt Ion: 85 Resp: 110444

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

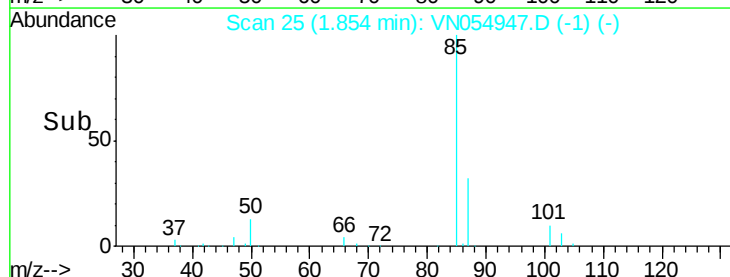
40000

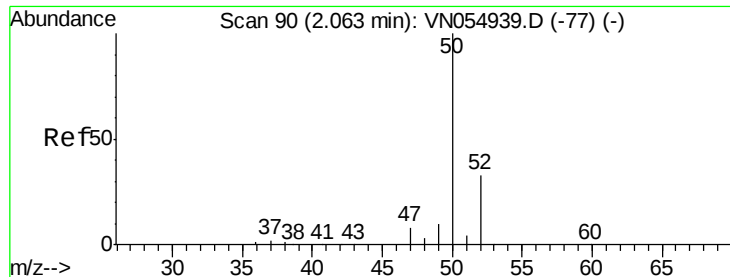
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.174 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

VN0404WBS01

Tgt Ion: 50 Resp: 137090

Ion Ratio Lower Upper

50 100

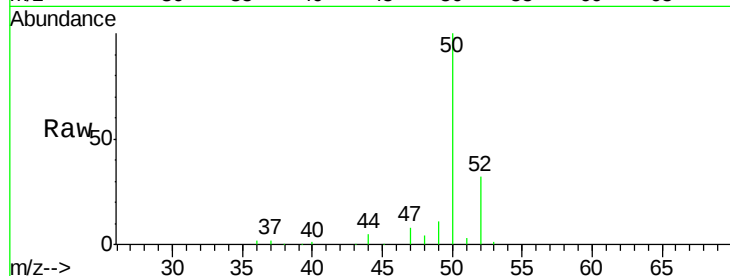
52 31.9 26.2 39.4

Manual Integrations

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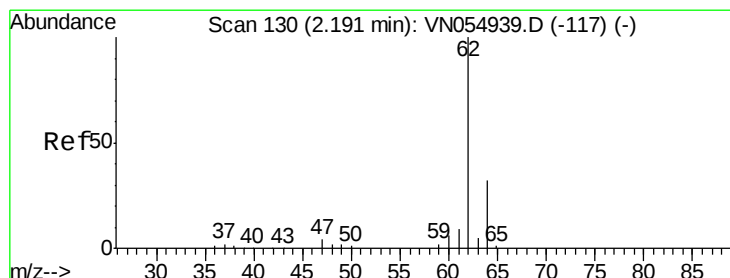
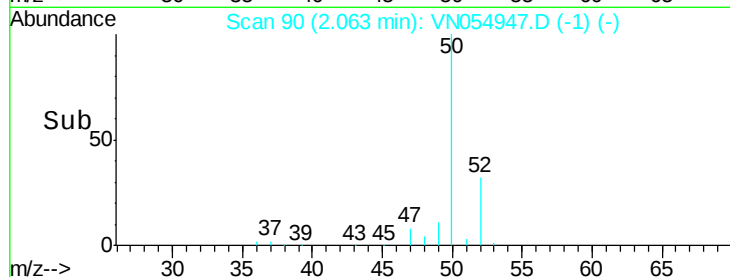
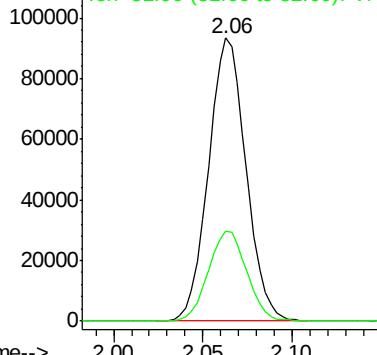
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.271 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054947.D

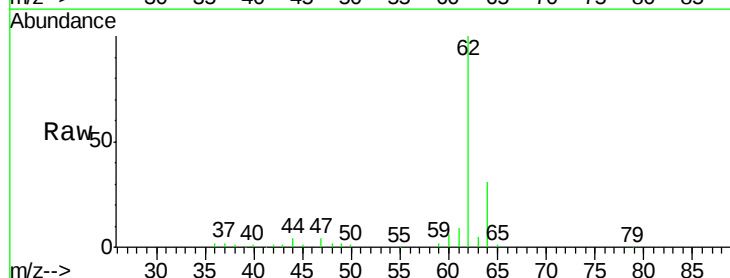
Acq: 4 Apr 2019 15:07

Tgt Ion: 62 Resp: 120352

Ion Ratio Lower Upper

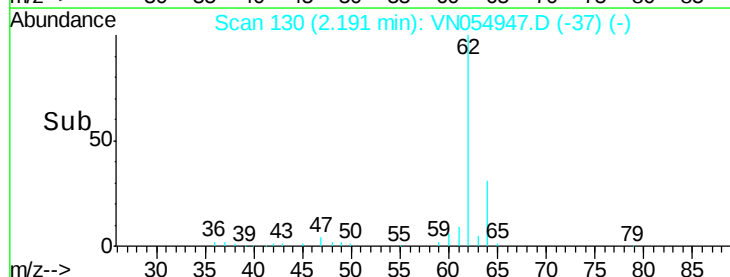
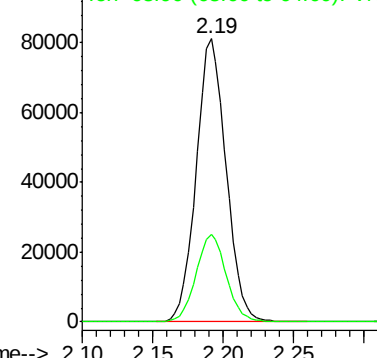
62 100

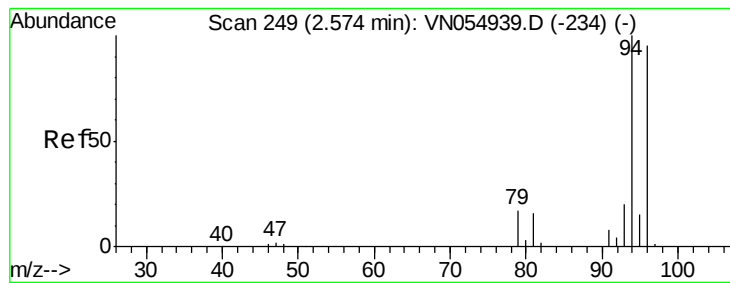
64 30.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.034 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

Tgt Ion: 94 Resp: 67899

Ion Ratio Lower Upper

94 100

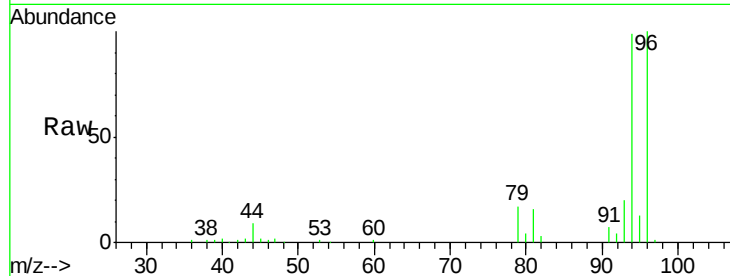
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Manual Integrations

APPROVED

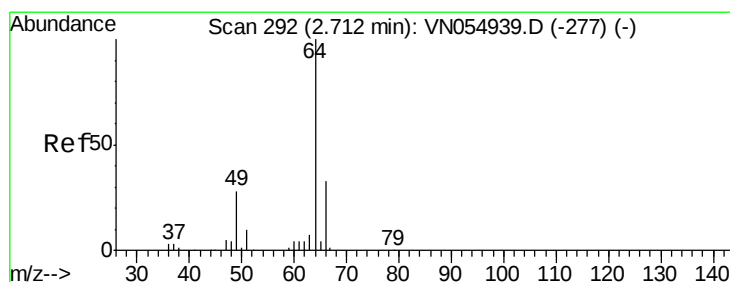
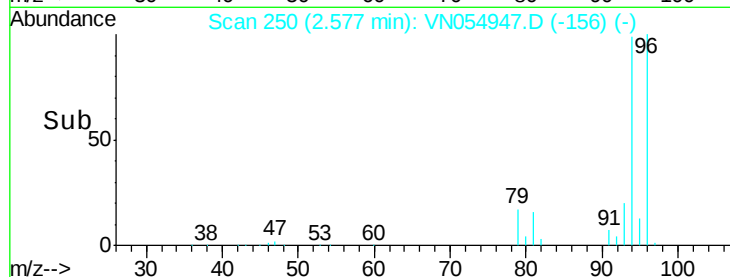
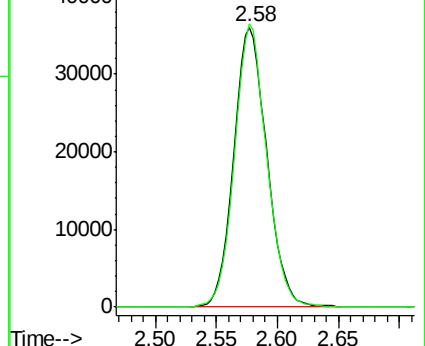
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.135 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054947.D

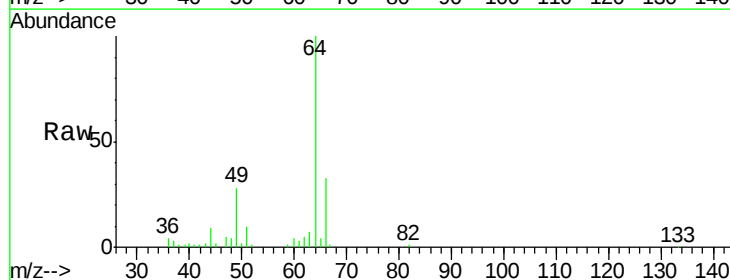
Acq: 4 Apr 2019 15:07

Tgt Ion: 64 Resp: 66677

Ion Ratio Lower Upper

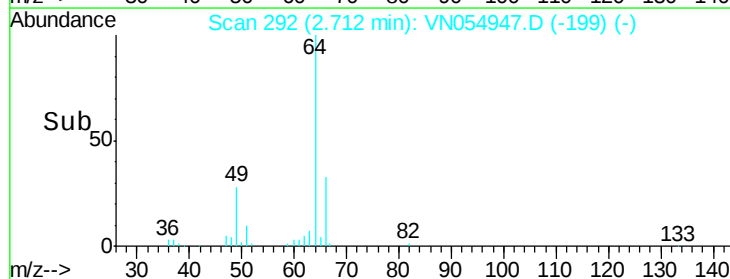
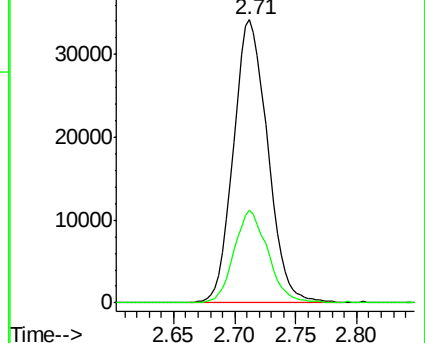
64 100

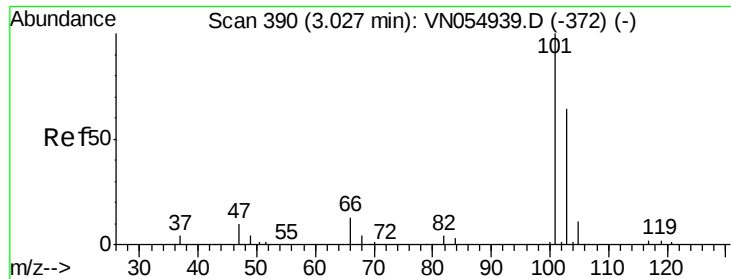
66 32.9 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

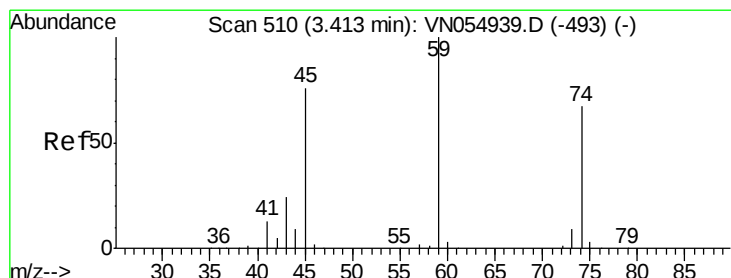
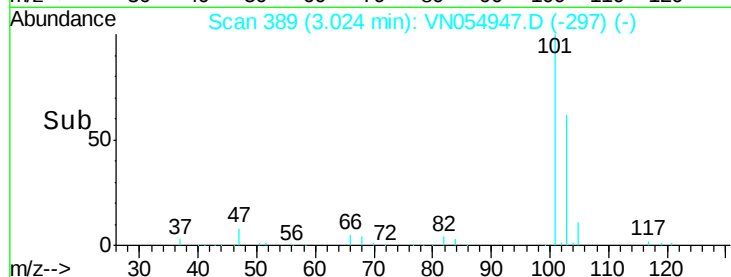
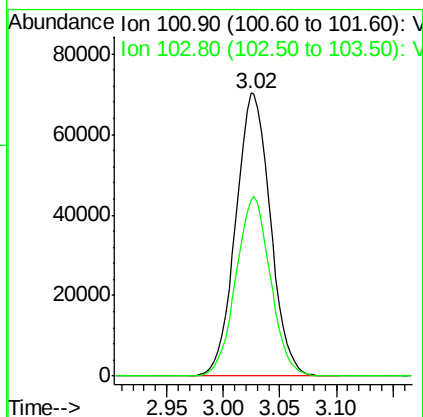
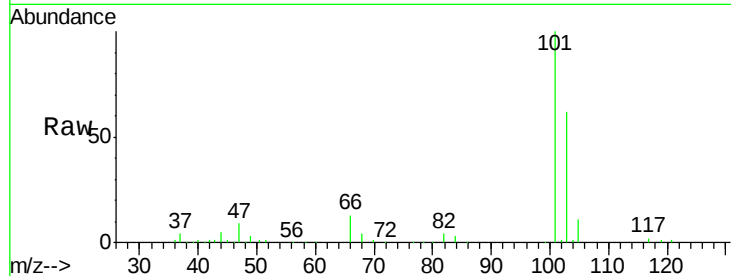
Trichlorofluoromethane
Concen: 20.814 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

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VN0404WBS01

Tgt Ion:101 Resp: 150044
Ion Ratio Lower Upper
101 100
103 62.1 51.3 76.9

Manual Integrations
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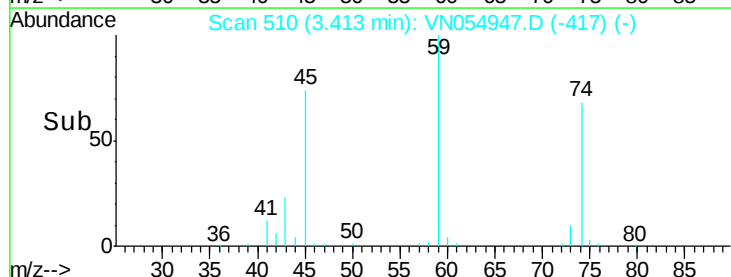
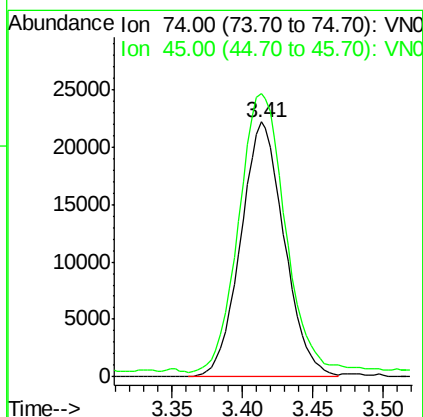
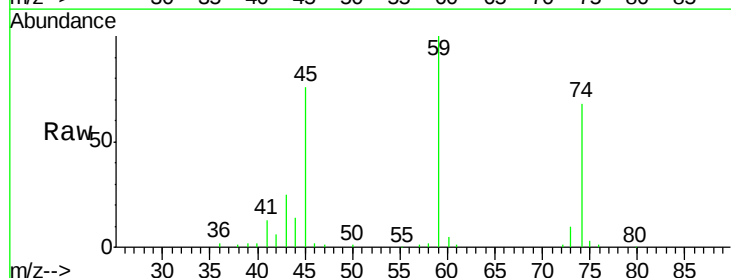
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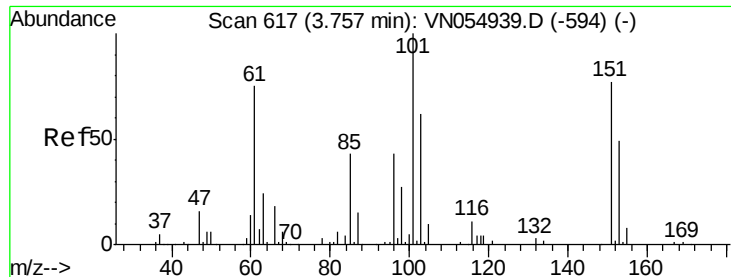


#8

Diethyl Ether
Concen: 20.861 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion: 74 Resp: 47895
Ion Ratio Lower Upper
74 100
45 117.9 56.3 168.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.831 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.01 min

Lab File: VN054947.D

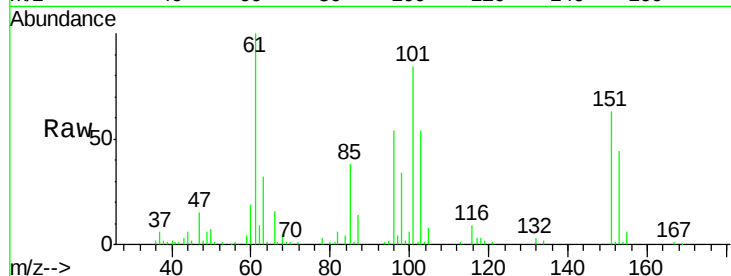
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Instrument :

MSVOA_N

ClientSampleId :

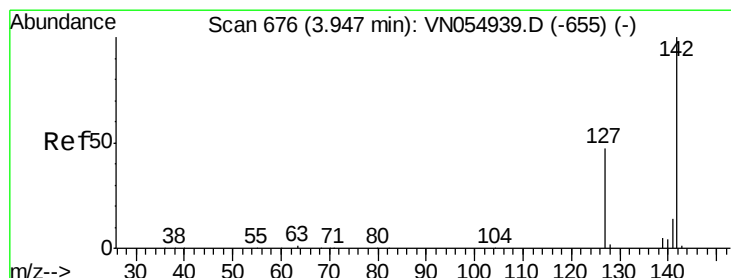
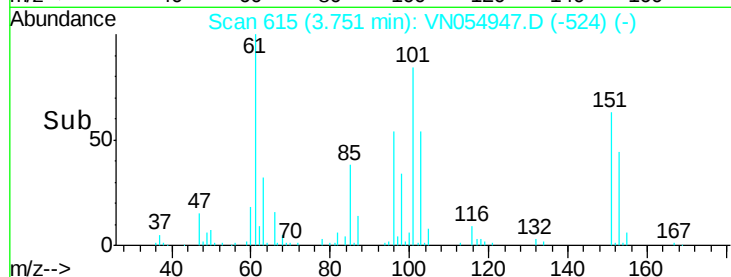
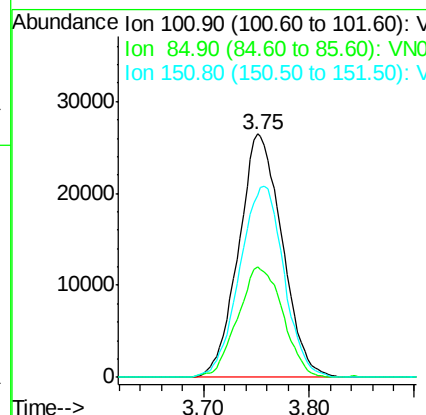
VN0404WBS01



Tgt Ion:	101	Resp:	75744
Ion Ratio	Lower	Upper	
101	100		
85	47.0	36.2	54.2
151	80.1	63.4	95.0

Manual Integrations
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#10

Methyl Iodide

Concen: 19.550 ug/l

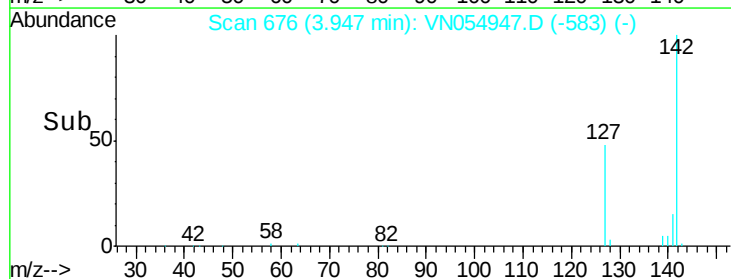
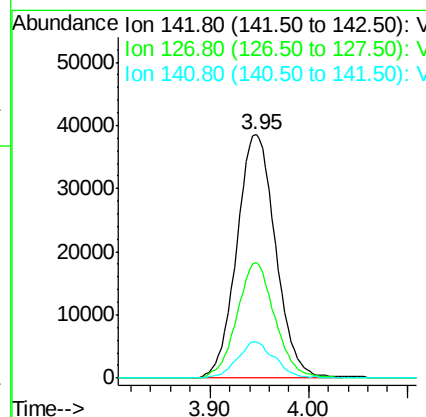
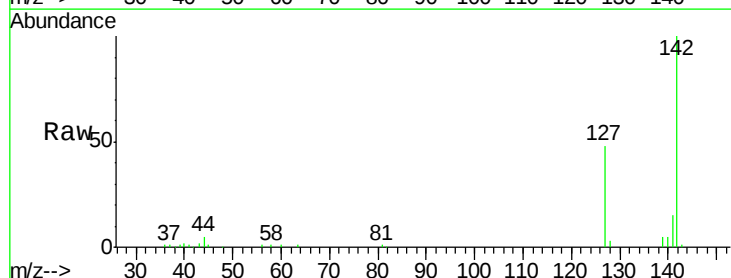
RT: 3.95 min Scan# 676

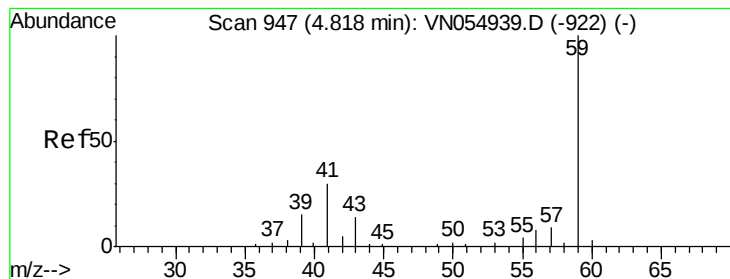
Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Tgt Ion:	142	Resp:	105254
Ion Ratio	Lower	Upper	
142	100		
127	46.4	38.0	57.0
141	14.4	11.7	17.5





#11

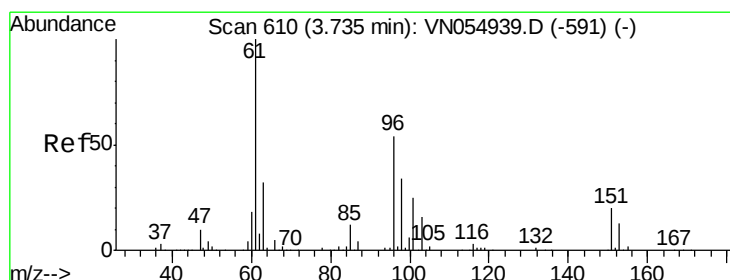
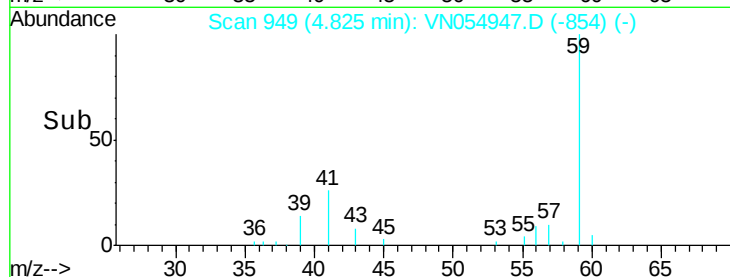
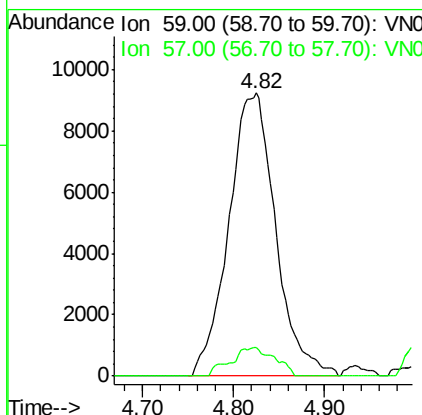
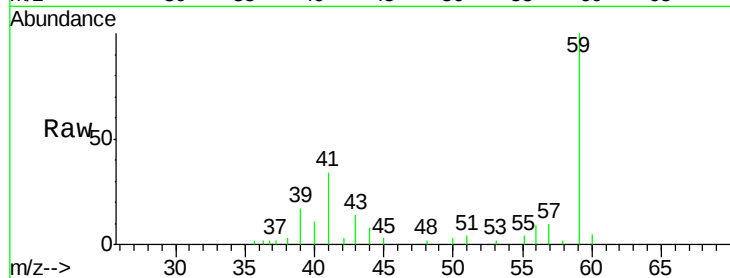
Tert butyl alcohol
 Concen: 113.052 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN0404WBS01

Tgt Ion: 59 Resp: 33061
 Ion Ratio Lower Upper
 59 100
 57 9.5 5.0 7.4#

Manual Integrations
 APPROVED

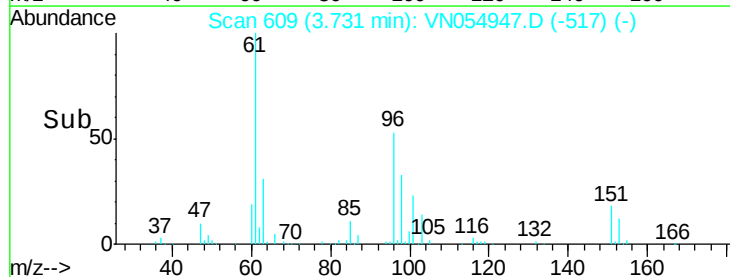
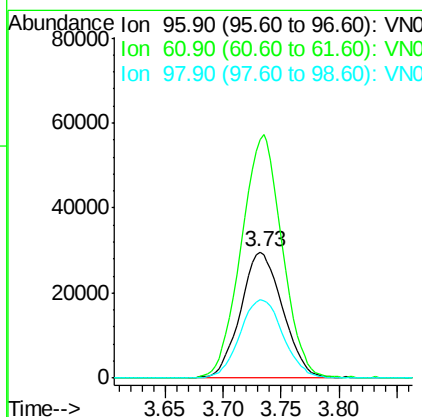
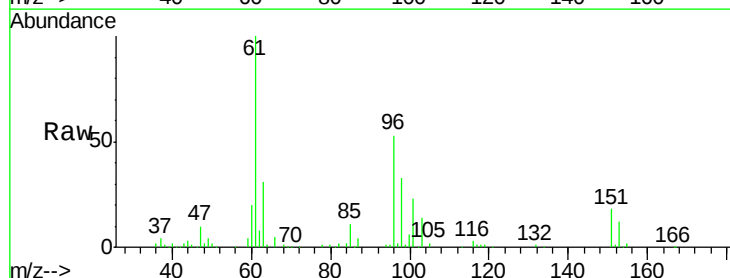
MMDadoda
 4/8/2019 1:43:33 PM

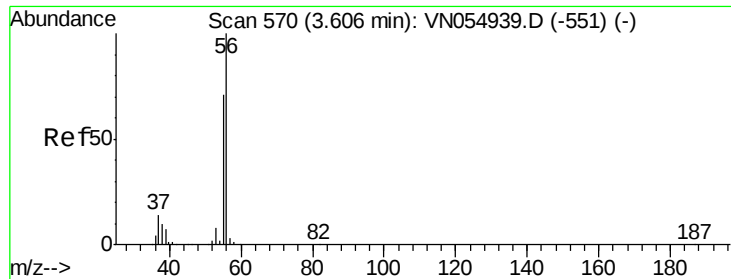


#12

1,1-Dichloroethene
 Concen: 19.738 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion: 96 Resp: 74781
 Ion Ratio Lower Upper
 96 100
 61 188.6 148.2 222.2
 98 62.2 50.2 75.4





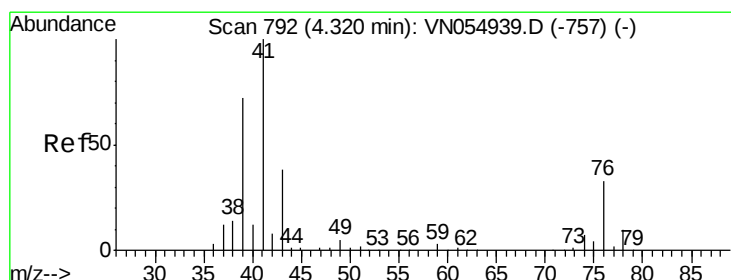
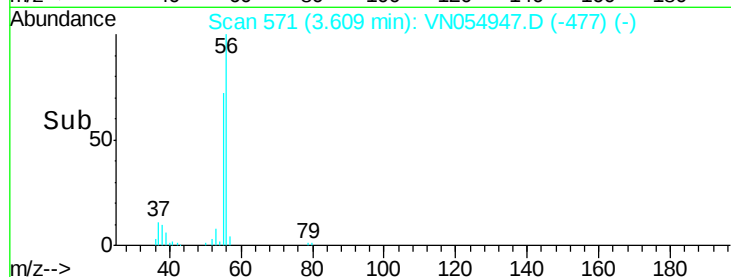
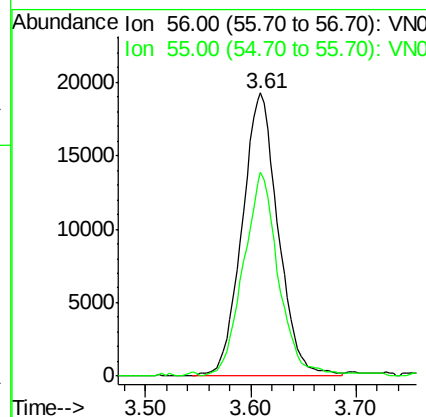
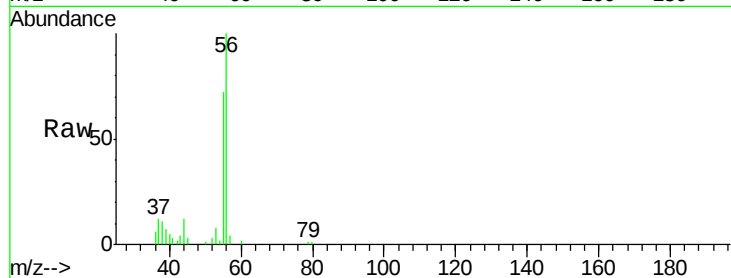
#13
Acrolein
Concen: 105.938 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion: 56 Resp: 45865
Ion Ratio Lower Upper
56 100
55 70.0 58.6 87.8

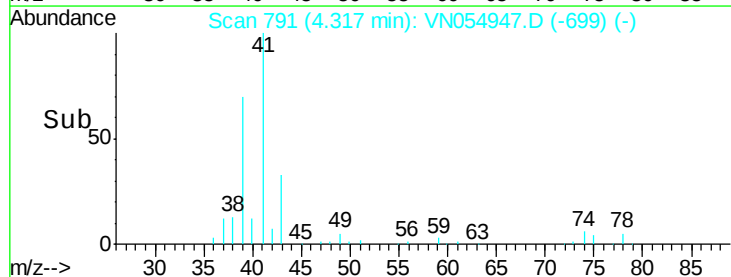
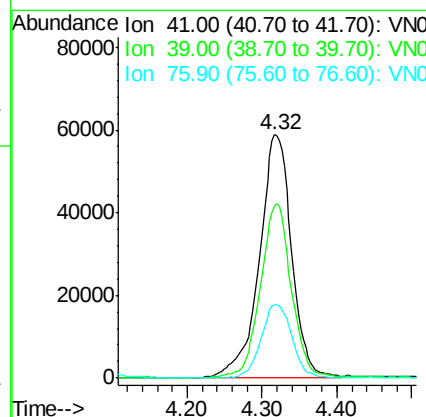
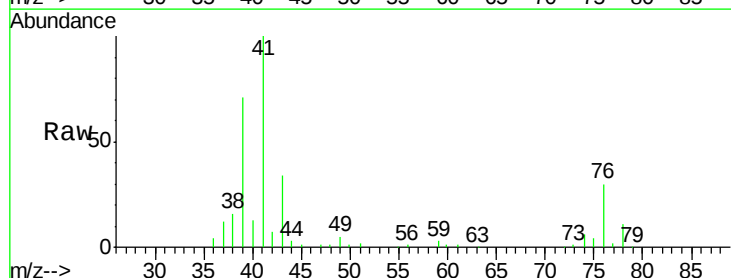
Manual Integrations
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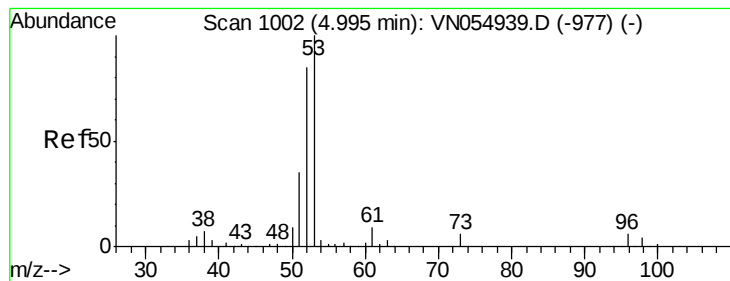
MMDadoda
4/8/2019 1:43:33 PM



#14
Allyl chloride
Concen: 21.078 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion: 41 Resp: 177238
Ion Ratio Lower Upper
41 100
39 67.6 55.4 83.2
76 28.8 23.8 35.8





#15

Acrylonitrile

Concen: 105.457 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

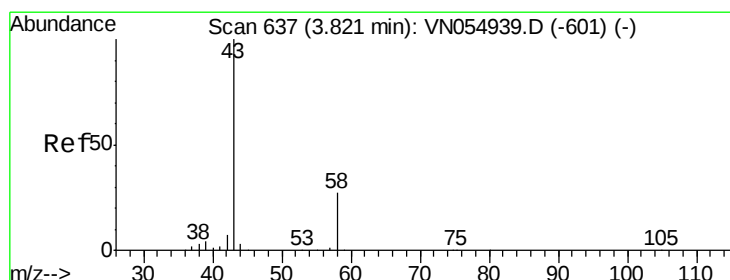
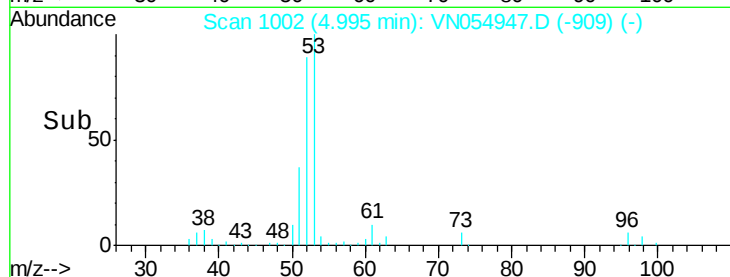
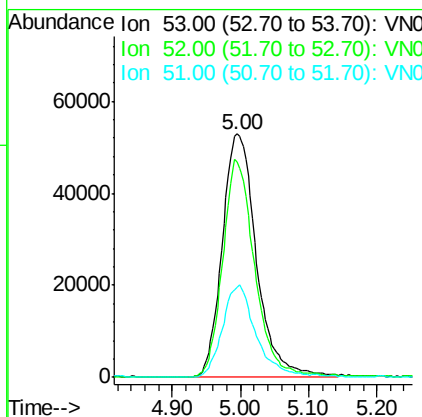
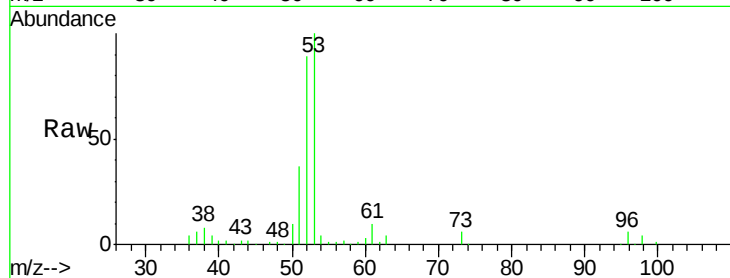
ClientSampleId :

VN0404WBS01

Tgt Ion:	53	Resp:	184937
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.4	99.6
51	36.9	29.5	44.3

Manual Integrations
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4/8/2019 1:43:33 PM



#16

Acetone

Concen: 96.412 ug/l

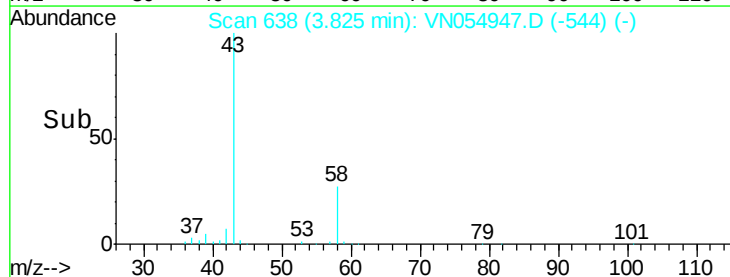
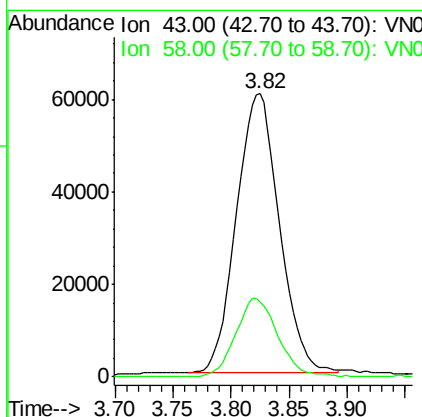
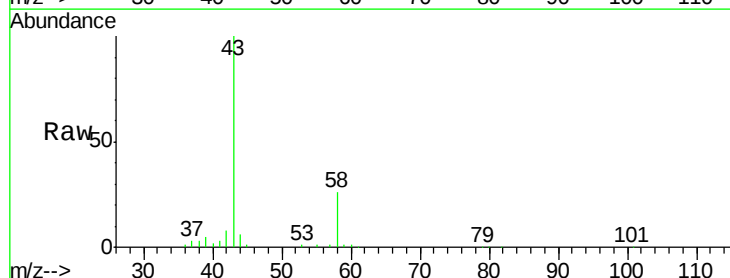
RT: 3.82 min Scan# 638

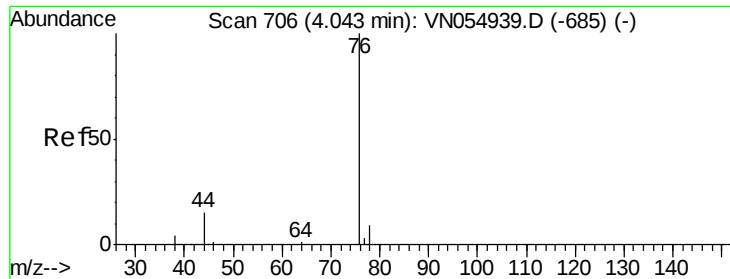
Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Tgt Ion:	43	Resp:	155537
Ion	Ratio	Lower	Upper
43	100		
58	26.7	21.7	32.5





#17

Carbon Disulfide

Concen: 19.800 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

Tgt Ion: 76 Resp: 238793

Ion Ratio Lower Upper

76 100

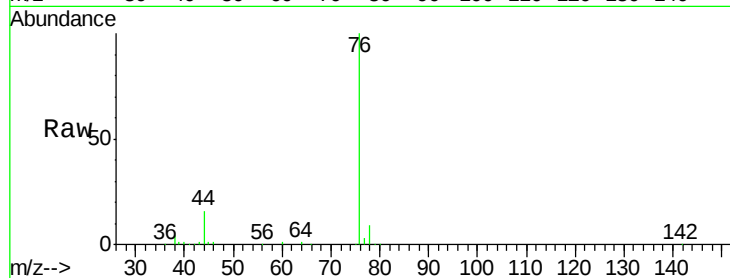
78 9.3 7.1 10.7

Manual Integrations

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4/8/2019 1:43:33 PM



Abundance Ion 75.90 (75.60 to 76.60): VN054939.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN054939.D (-685) (-)

4.04

100000

80000

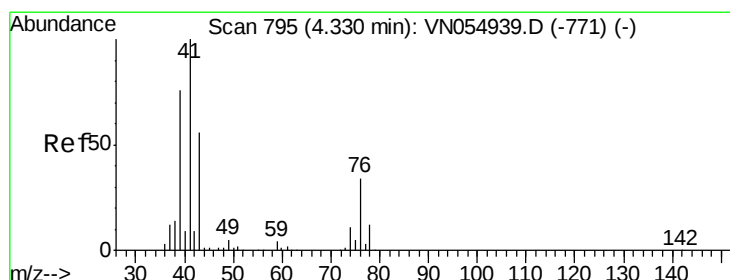
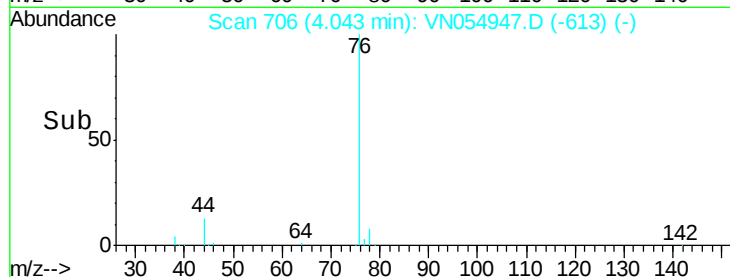
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.130 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054947.D

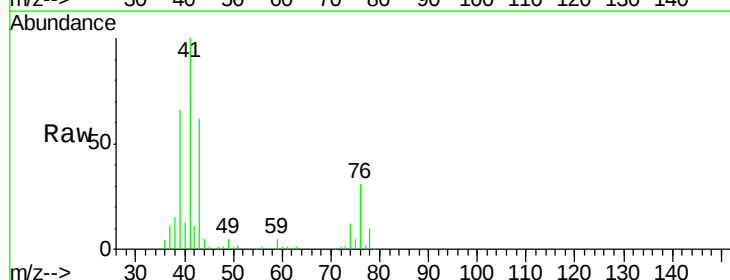
Acq: 4 Apr 2019 15:07

Tgt Ion: 43 Resp: 81273

Ion Ratio Lower Upper

43 100

74 20.6 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VN054939.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN054939.D (-771) (-)

4.33

30000

25000

20000

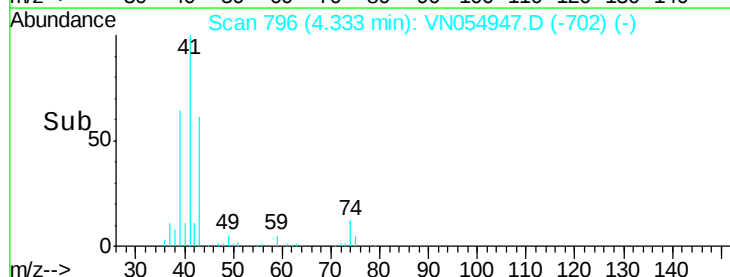
15000

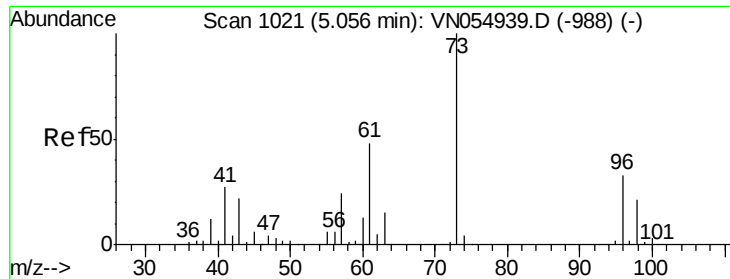
10000

5000

0

Time-->





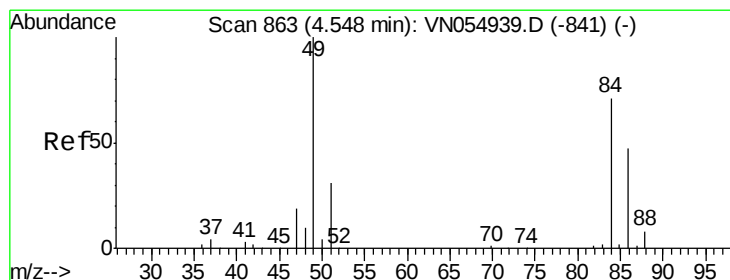
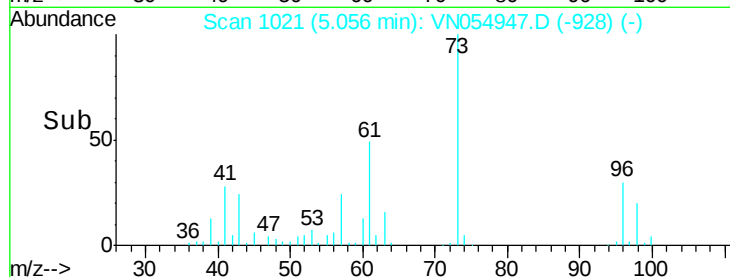
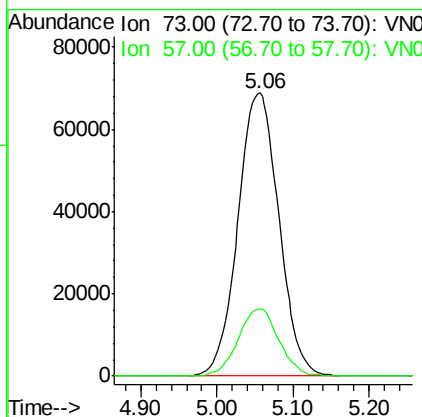
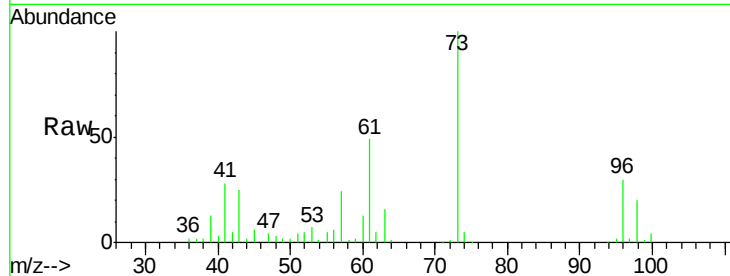
#19
Methyl tert-butyl Ether
Concen: 20.962 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion: 73 Resp: 257608
Ion Ratio Lower Upper
73 100
57 23.8 19.5 29.3

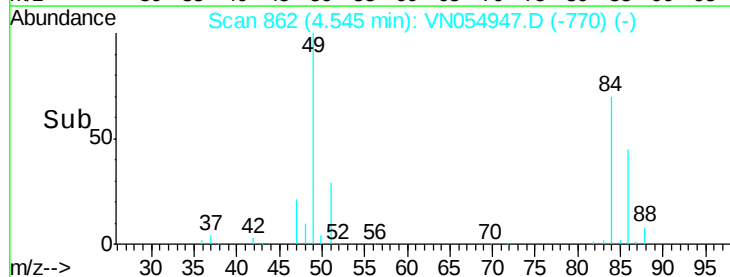
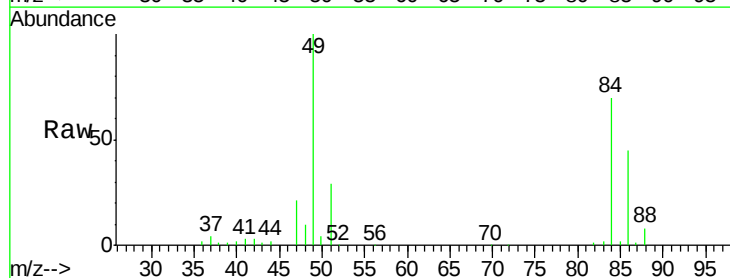
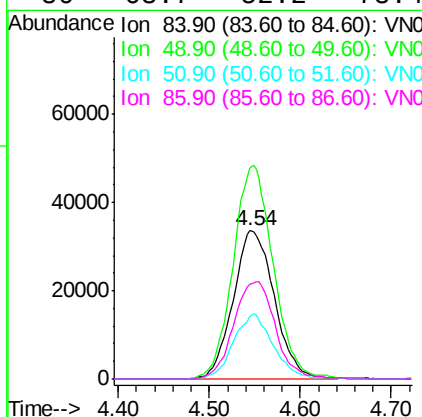
Manual Integrations
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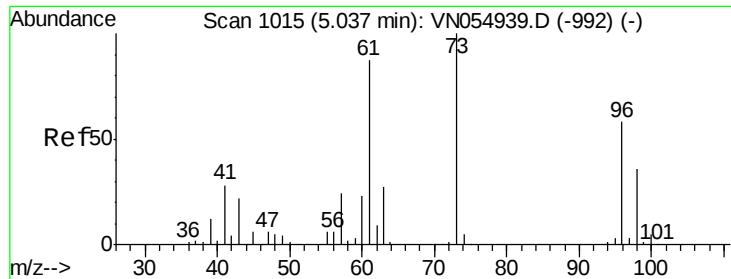
MMDadoda
4/8/2019 1:43:33 PM



#20
Methylene Chloride
Concen: 20.053 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion: 84 Resp: 105474
Ion Ratio Lower Upper
84 100
49 142.1 112.1 168.1
51 41.9 34.5 51.7
86 63.7 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 20.096 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

Tgt Ion: 96 Resp: 95092

Ion Ratio Lower Upper

96 100

61 153.4 120.1 180.1

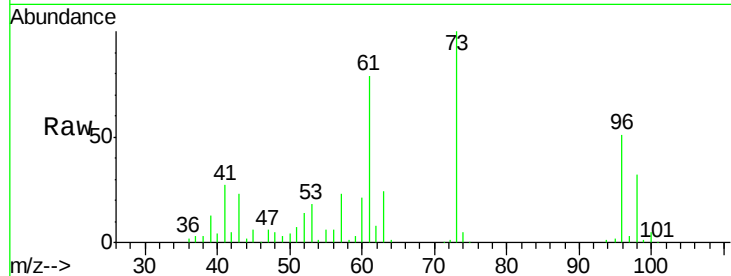
98 62.8 49.3 73.9

Manual Integrations

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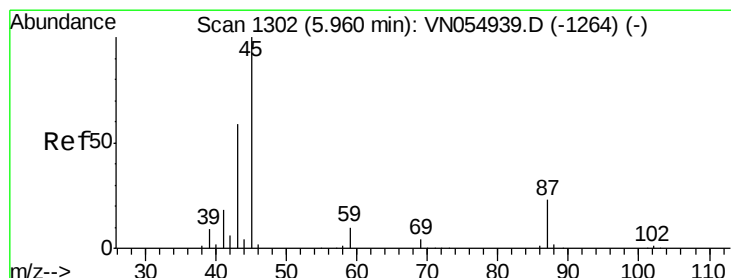
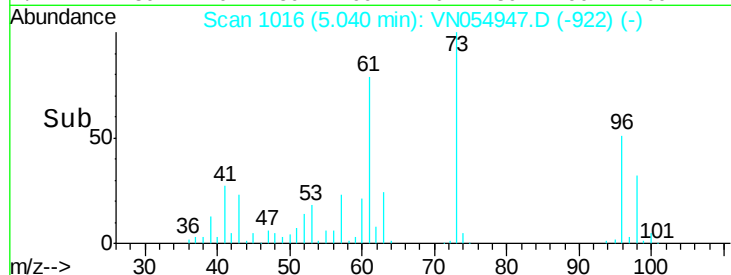
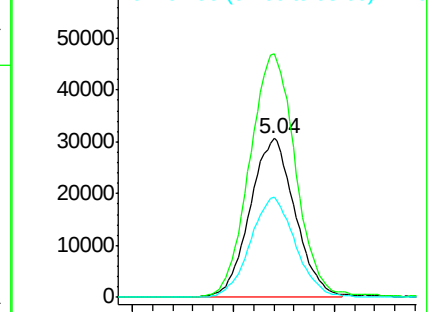


Abundance

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: 20.644 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Tgt Ion: 45 Resp: 356513

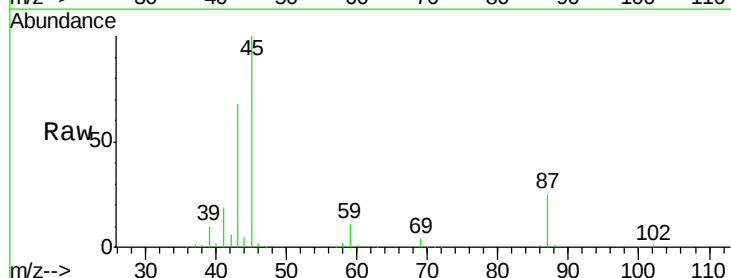
Ion Ratio Lower Upper

45 100

43 67.7 46.9 70.3

87 24.6 18.6 28.0

59 11.1 8.5 12.7



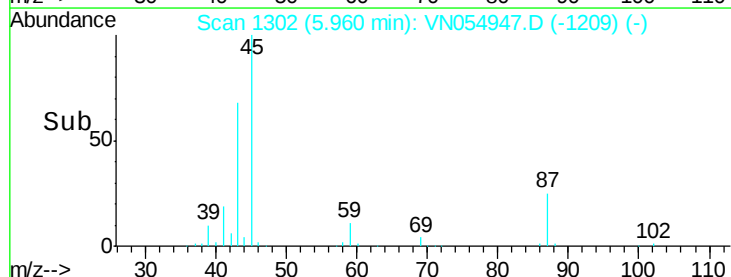
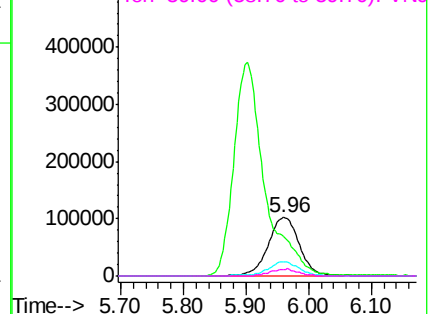
Abundance

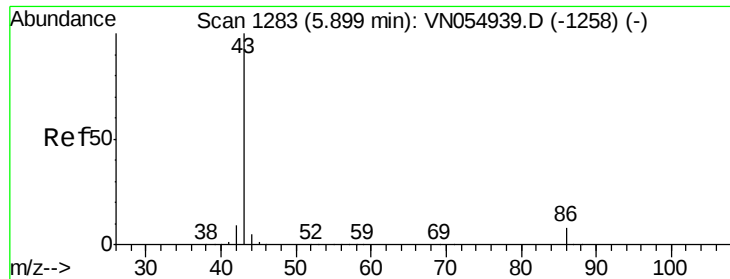
Ion 45.00 (44.70 to 45.70): VN0

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





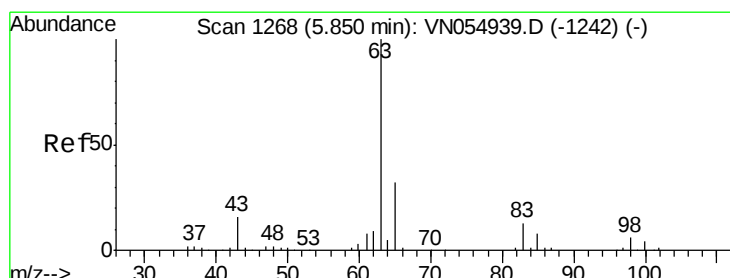
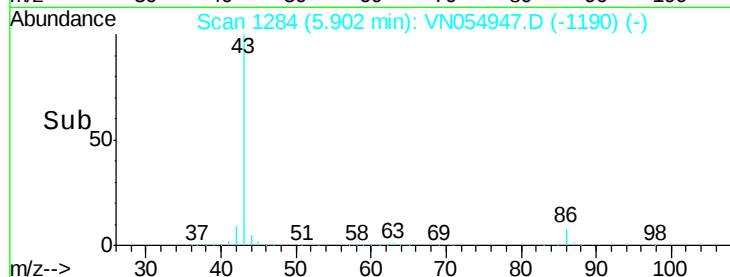
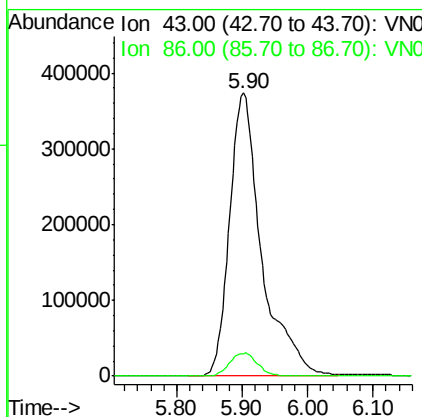
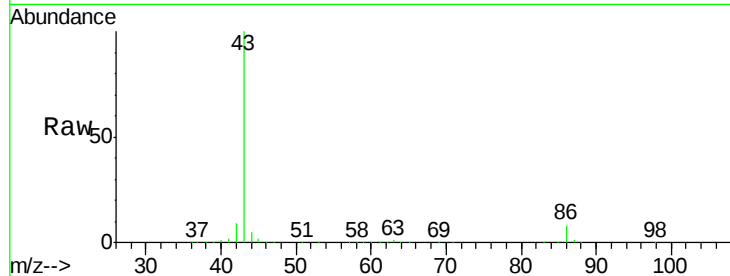
#23
 Vinyl Acetate
 Concen: 106.025 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

Tgt Ion: 43 Resp: 1274115
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.7 10.1

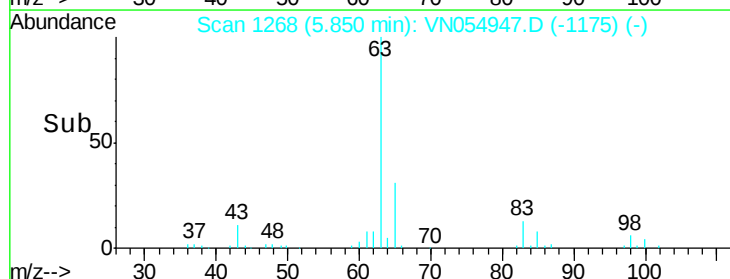
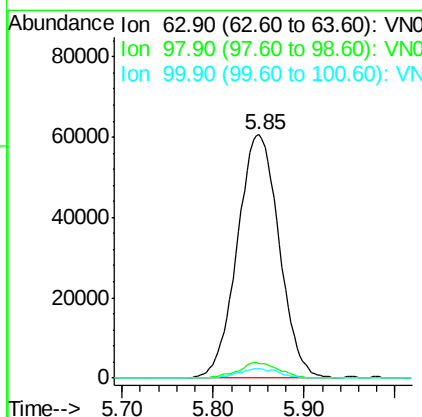
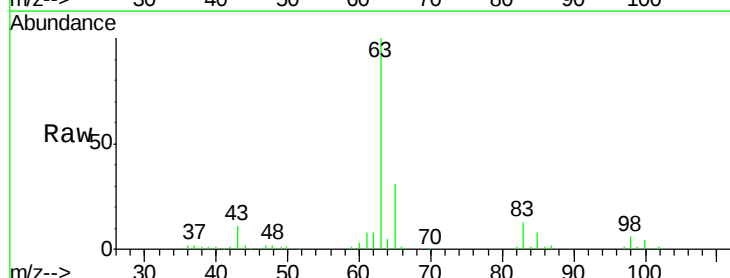
Manual Integrations
 APPROVED

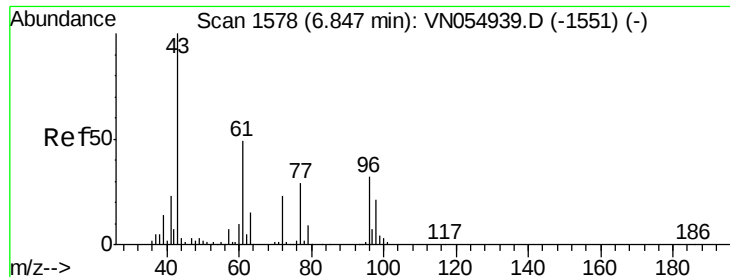
MMDadoda
 4/8/2019 1:43:33 PM



#24
 1,1-Dichloroethane
 Concen: 20.565 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion: 63 Resp: 193672
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.7
 100 3.9 2.1 6.2





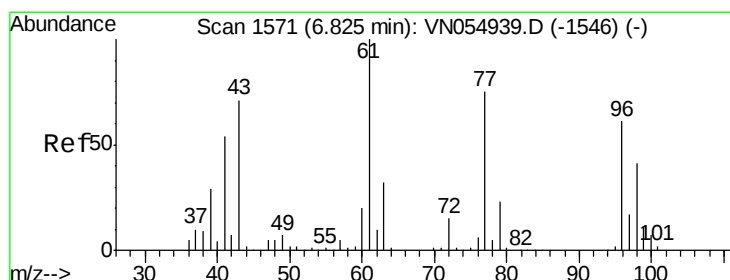
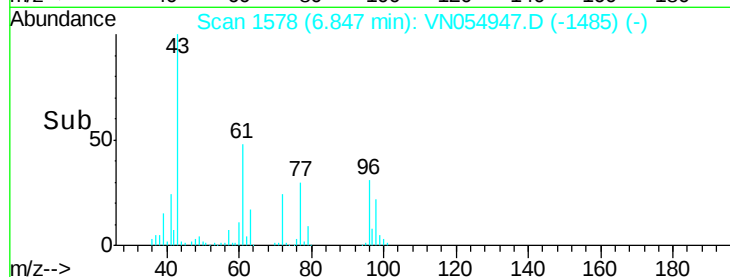
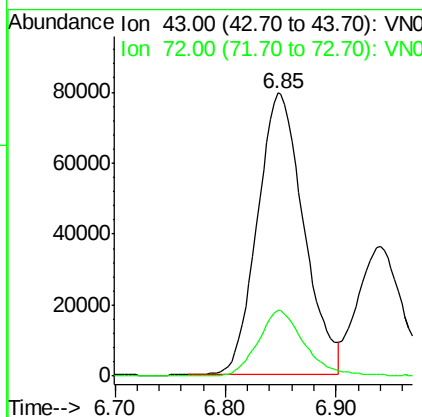
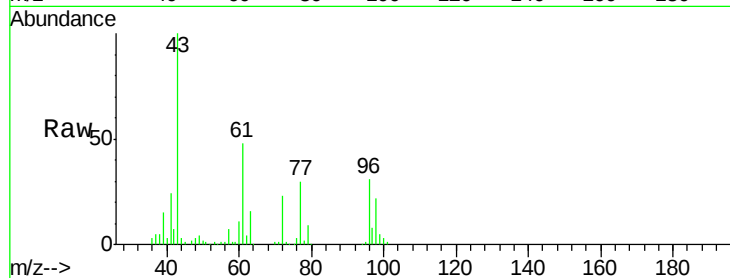
#25
2-Butanone
Concen: 108.777 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion: 43 Resp: 231473
Ion Ratio Lower Upper
43 100
72 23.5 18.3 27.5

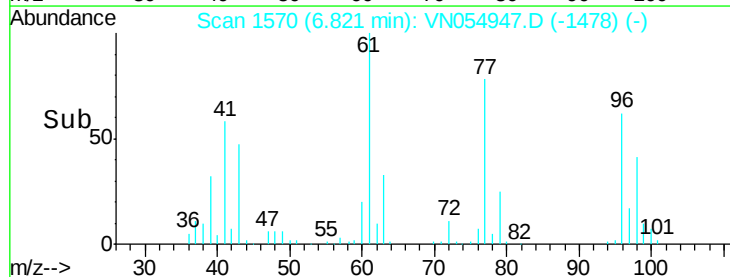
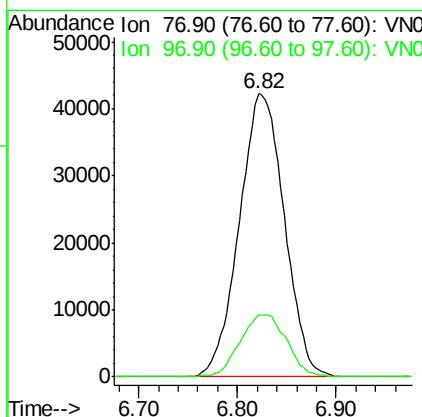
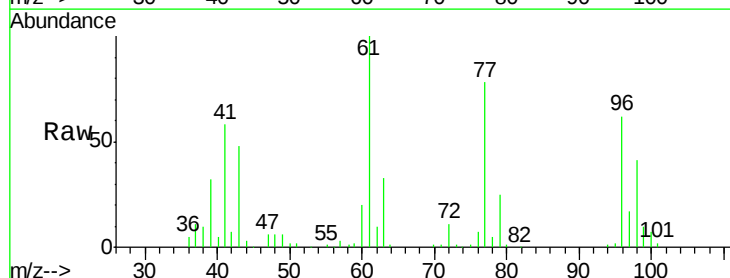
Manual Integrations
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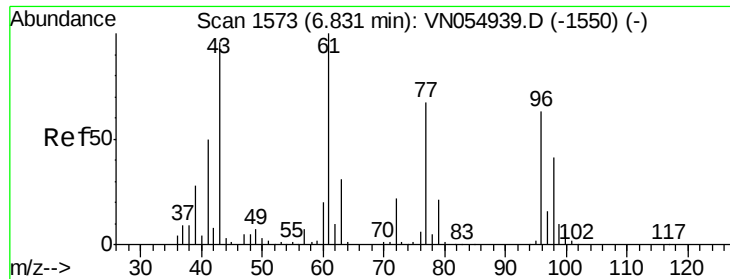
MMDadoda
4/8/2019 1:43:33 PM



#26
2,2-Dichloropropane
Concen: 20.165 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion: 77 Resp: 133130
Ion Ratio Lower Upper
77 100
97 22.6 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.387 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

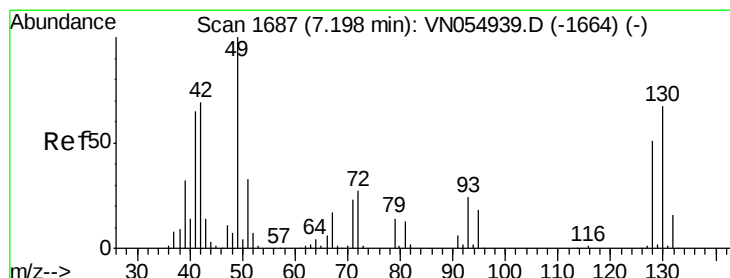
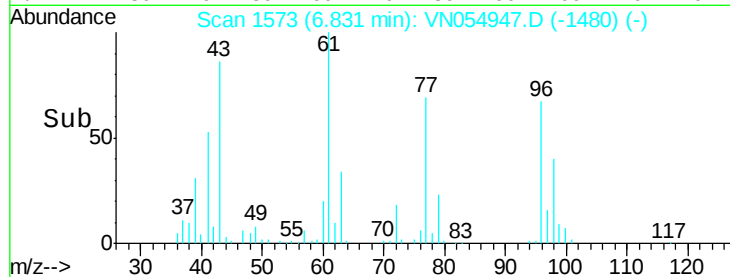
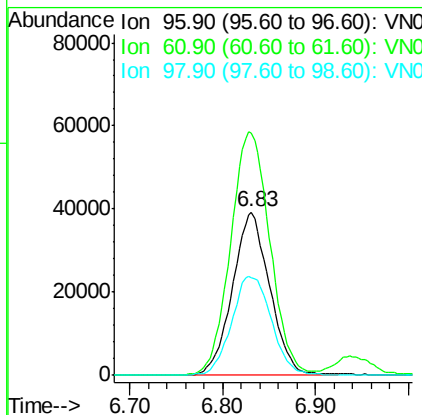
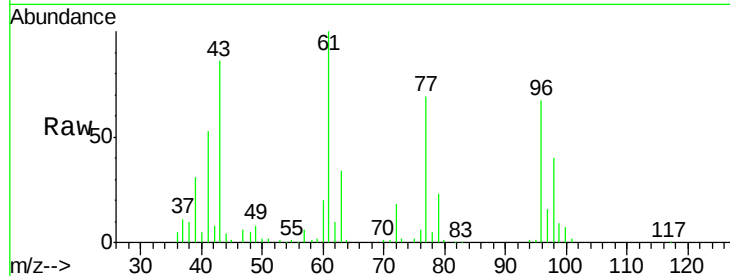
ClientSampleId :

VN0404WBS01

Tgt Ion:	96	Resp:	109433
Ion Ratio	Lower	Upper	
96	100		
61	157.3	0.0	316.2
98	64.8	0.0	129.6

Manual Integrations
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MMDadoda
4/8/2019 1:43:33 PM



#28

Bromochloromethane

Concen: 20.345 ug/l

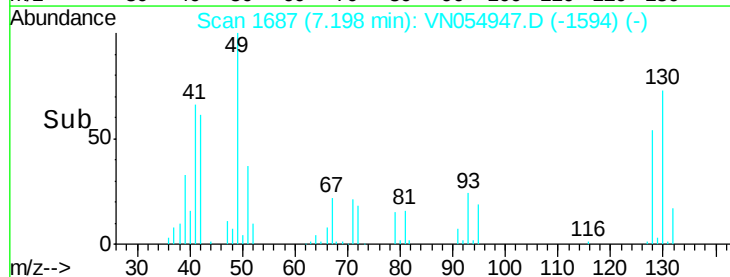
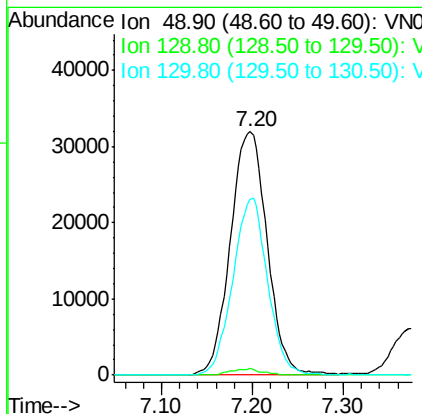
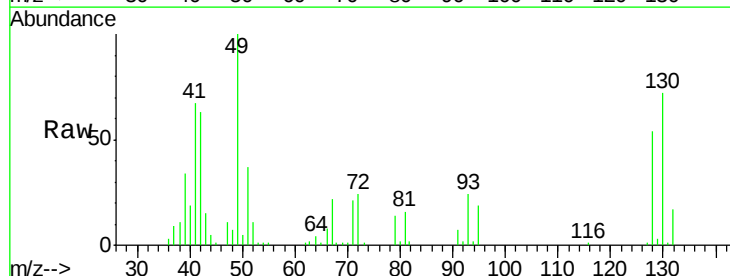
RT: 7.20 min Scan# 1687

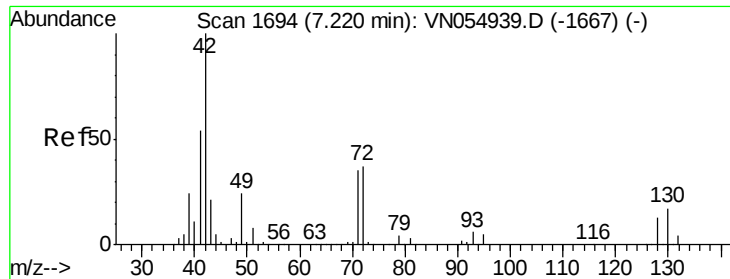
Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Tgt Ion:	49	Resp:	89762
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	3.8
130	68.4	53.1	79.7





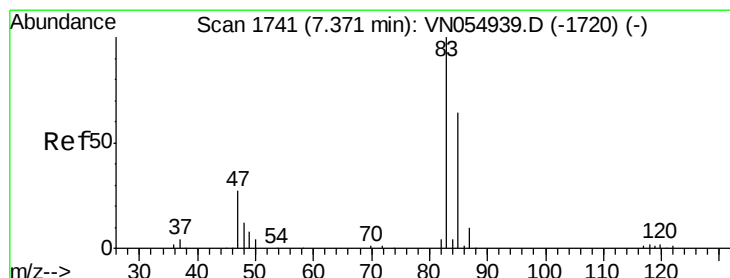
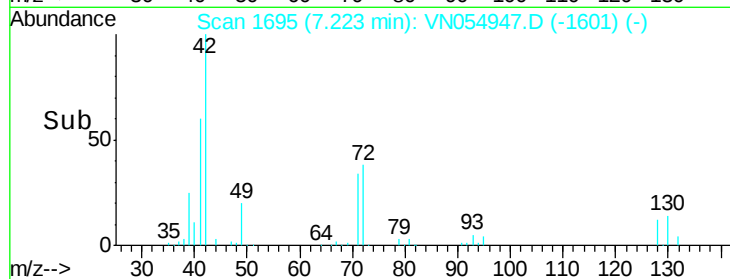
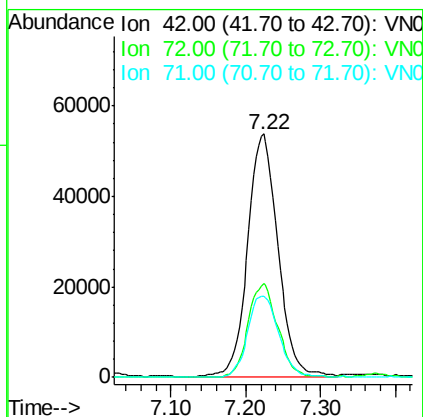
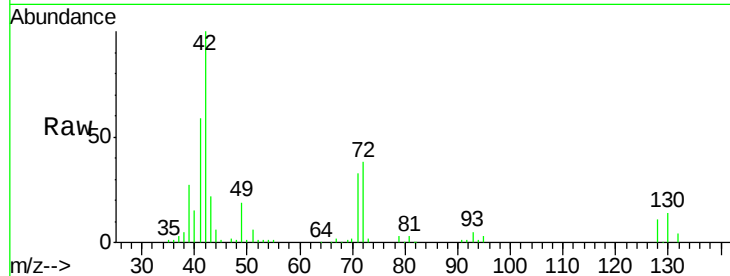
#29
Tetrahydrofuran
Concen: 109.771 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.3	29.3	43.9
71	34.1	27.8	41.6

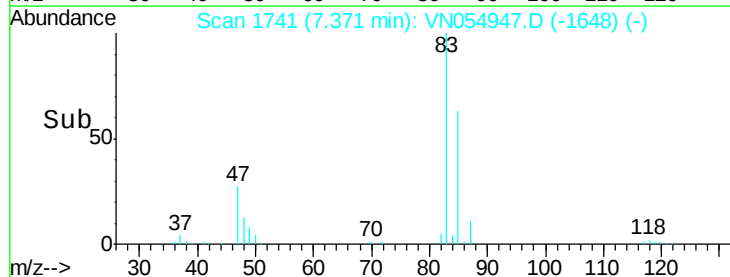
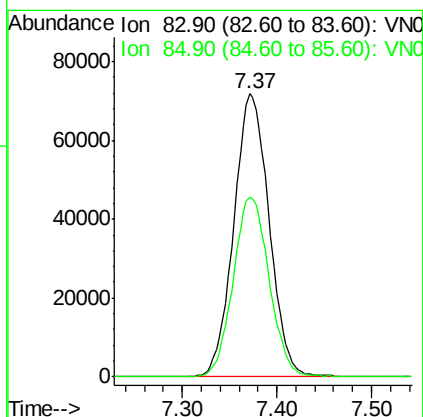
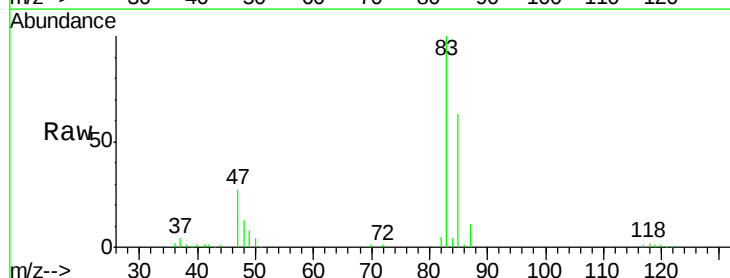
Manual Integrations
APPROVED

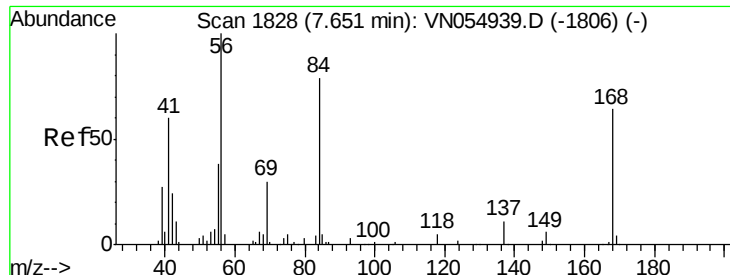
MMDadoda
4/8/2019 1:43:33 PM



#30
Chloroform
Concen: 20.876 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.0





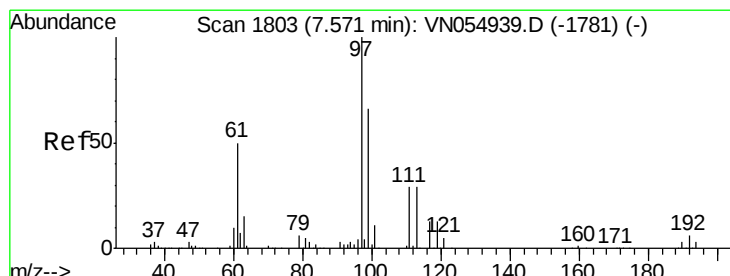
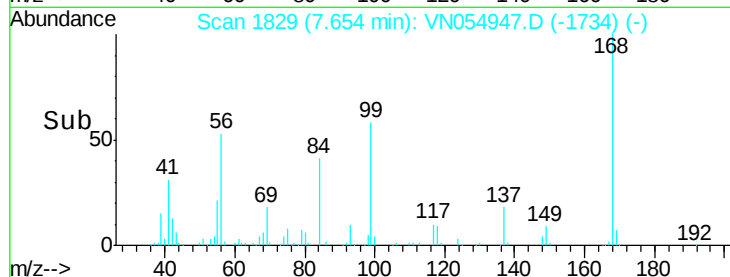
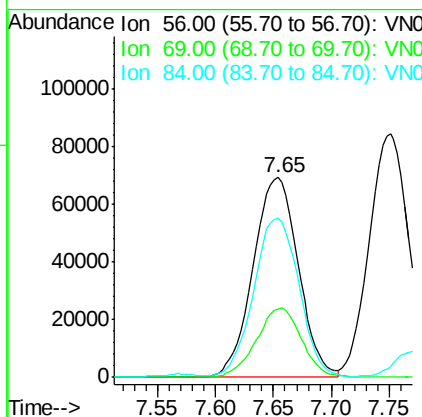
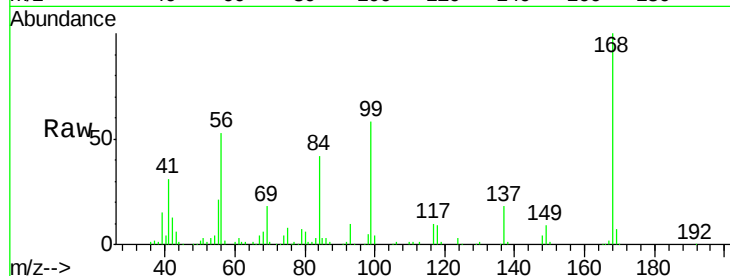
#31
Cyclohexane
Concen: 20.210 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.5	23.8	35.6
84	78.4	61.8	92.8

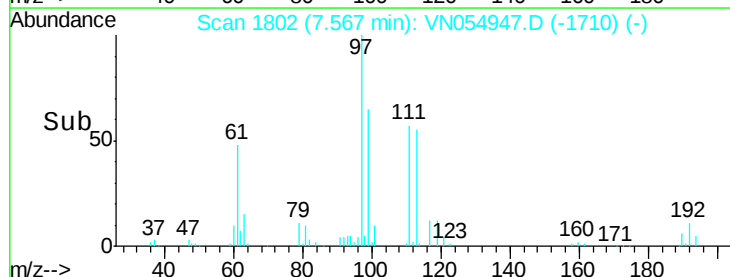
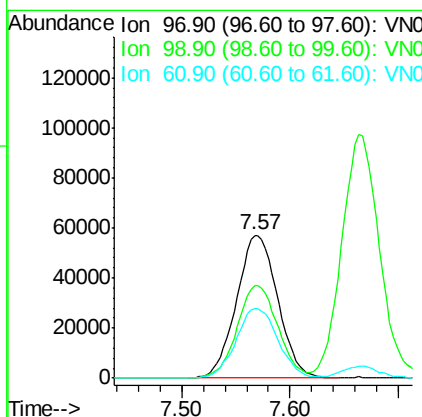
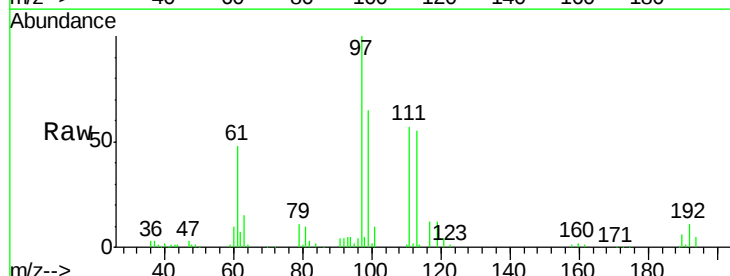
Manual Integrations
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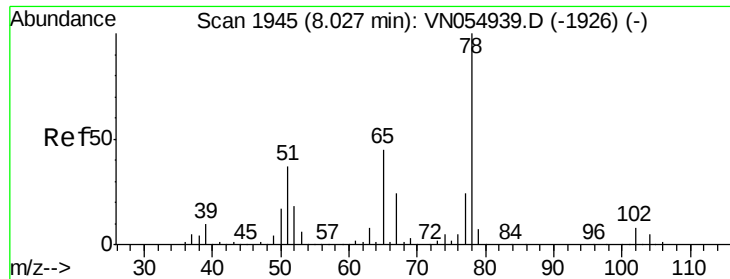
MMDadoda
4/8/2019 1:43:33 PM



#32
1,1,1-Trichloroethane
Concen: 20.150 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.1	78.1
61	49.5	39.6	59.4





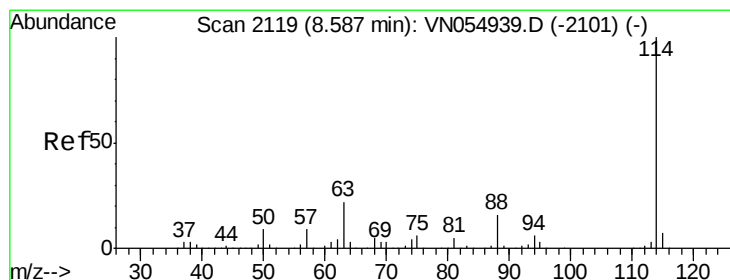
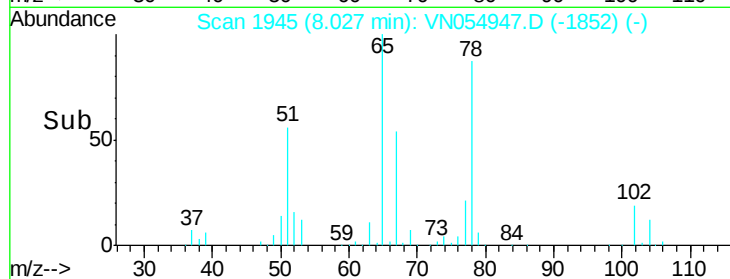
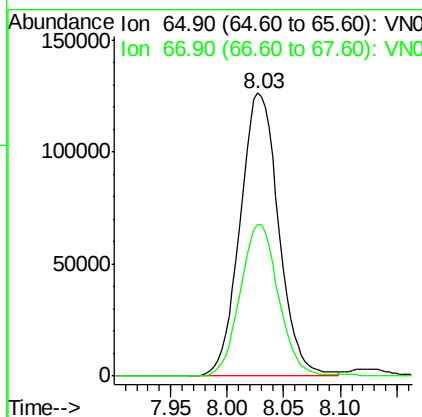
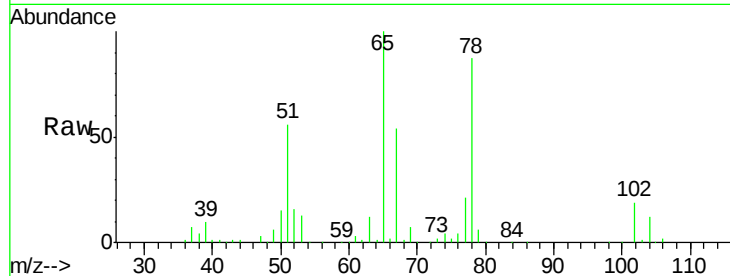
#33
 1,2-Dichloroethane-d4
 Concen: 53.000 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	300354		
67	53.3	0.0	105.6	

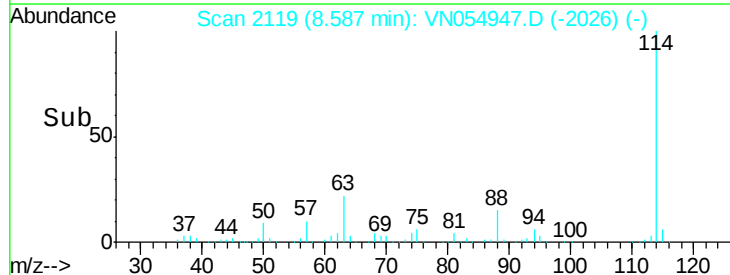
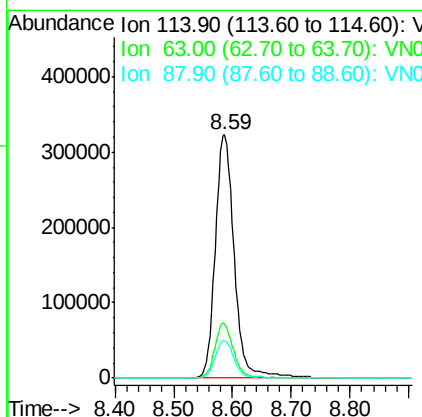
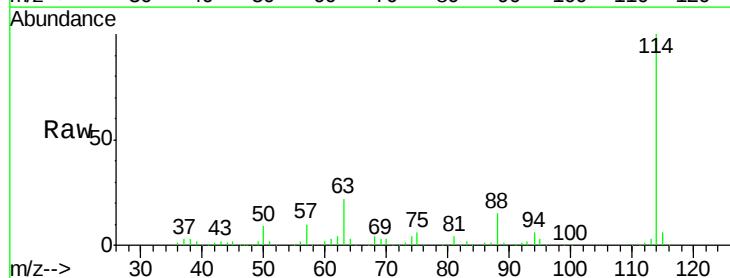
Manual Integrations
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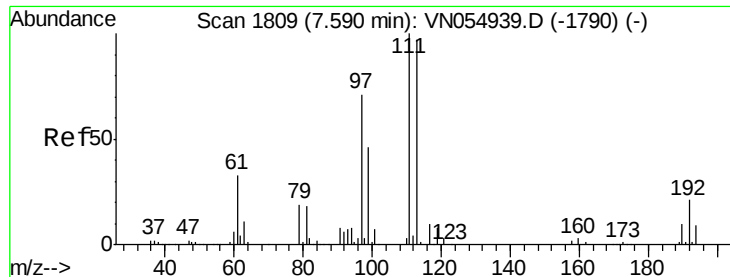
MMDadoda
 4/8/2019 1:43:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	720721		
63	22.4	0.0	44.6	
88	15.4	0.0	32.0	





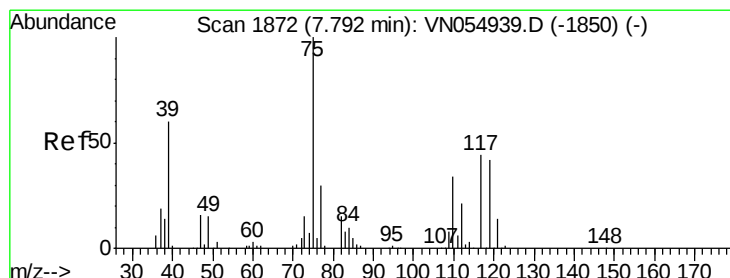
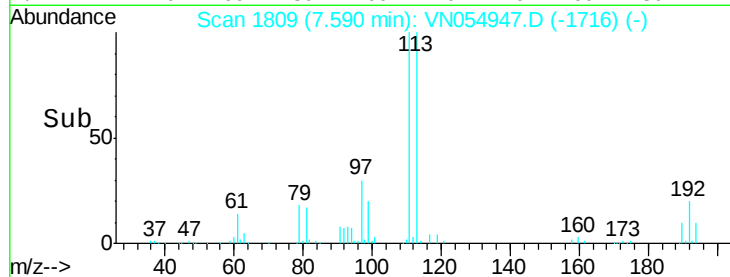
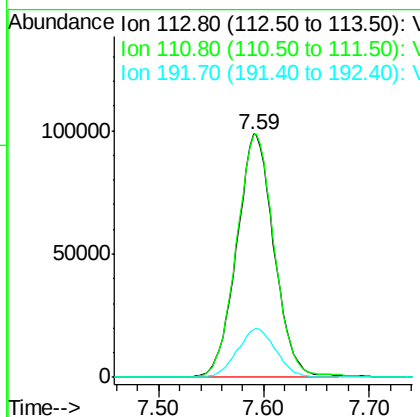
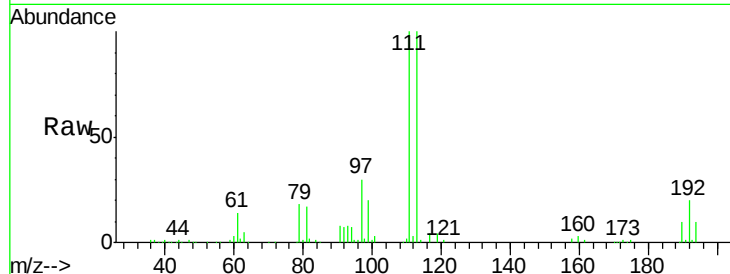
#35
 Dibromofluoromethane
 Concen: 51.589 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN0404WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	242036		
111	100.6	81.0	121.4	
192	20.8	16.5	24.7	

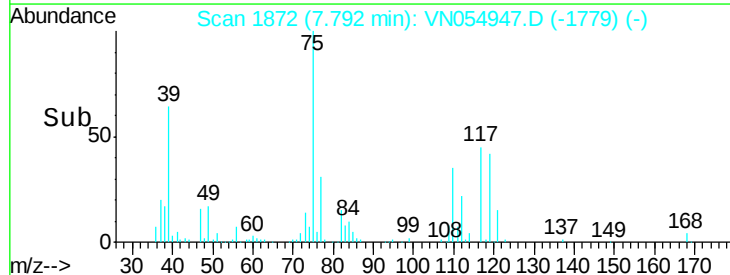
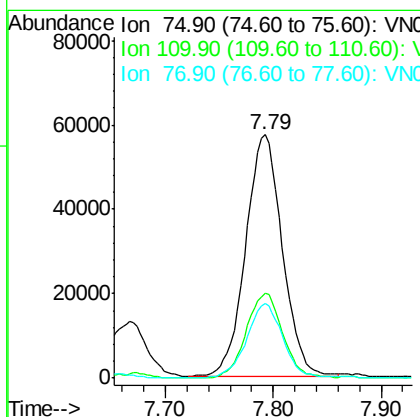
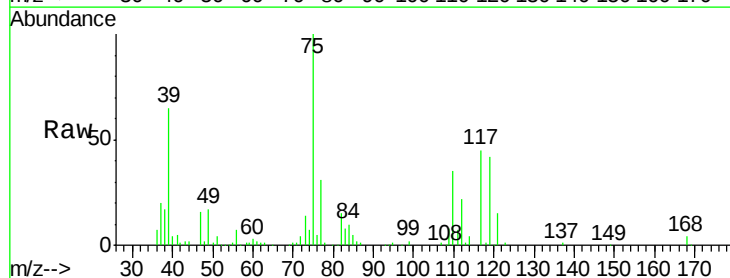
Manual Integrations
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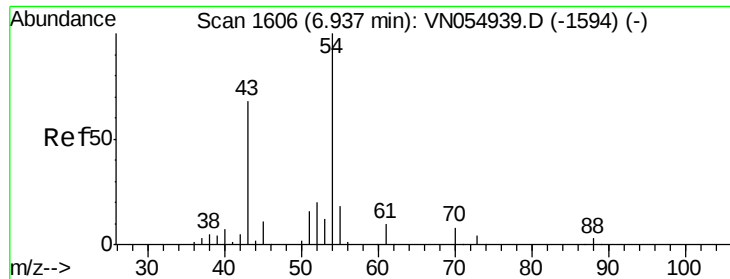
MMDadoda
 4/8/2019 1:43:33 PM



#36
 1,1-Dichloropropene
 Concen: 18.926 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	135154		
110	35.0	17.0	50.9	
77	30.5	25.3	37.9	





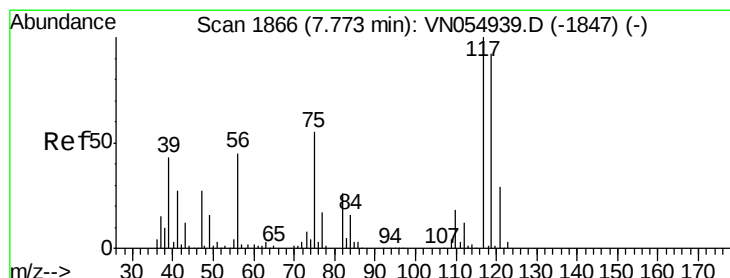
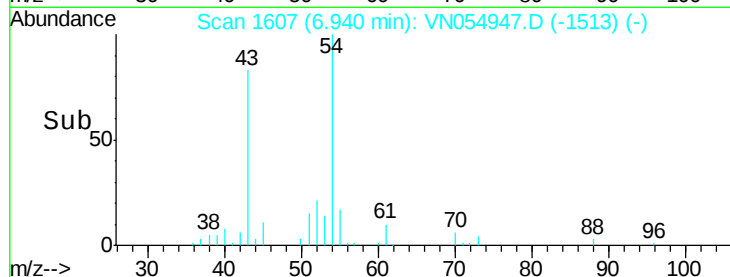
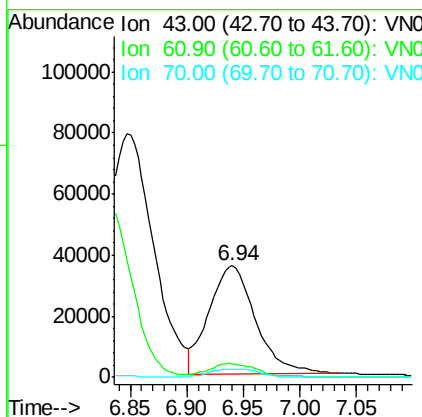
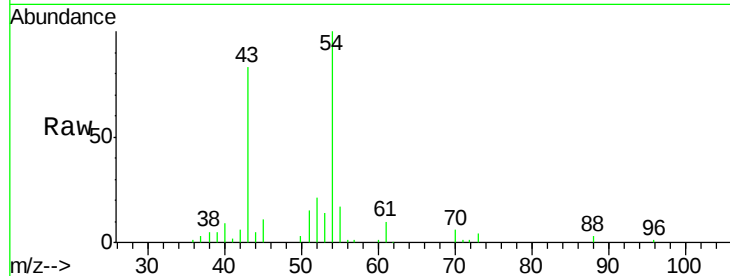
#37
Ethyl Acetate
 Concen: 20.970 ug/l
 RT: 6.94 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.0	10.3	15.5
70	8.3	7.0	10.4

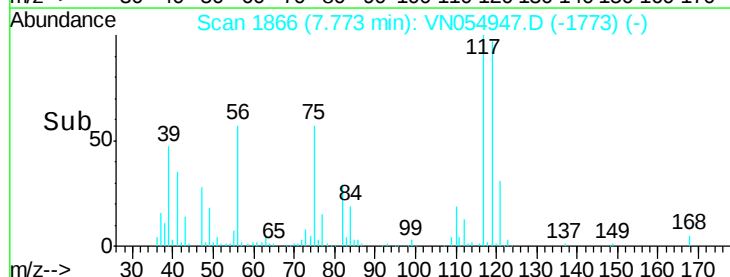
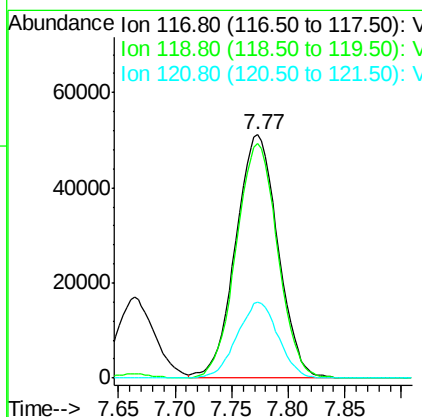
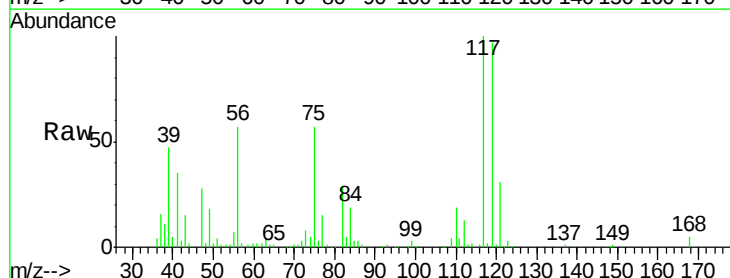
Manual Integrations
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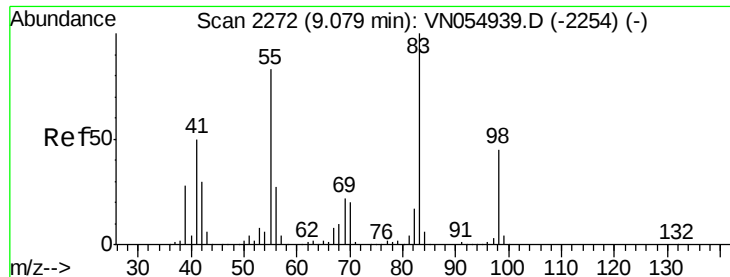
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 4/8/2019 1:43:33 PM



#38
Carbon Tetrachloride
 Concen: 19.147 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	73.6	110.4
121	31.2	23.4	35.0





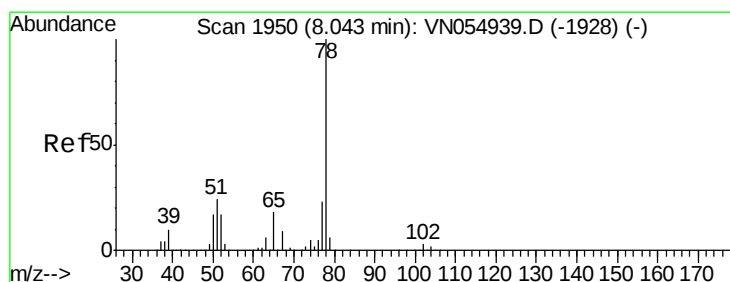
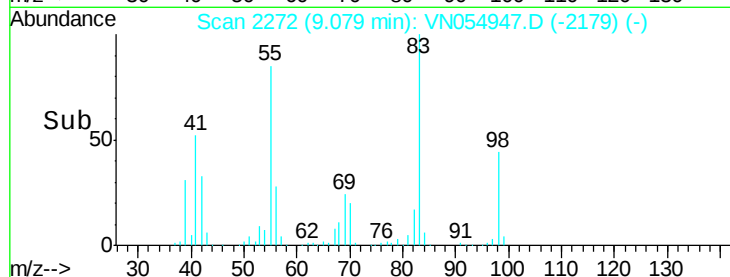
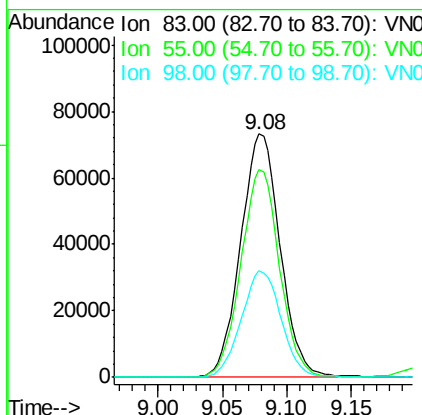
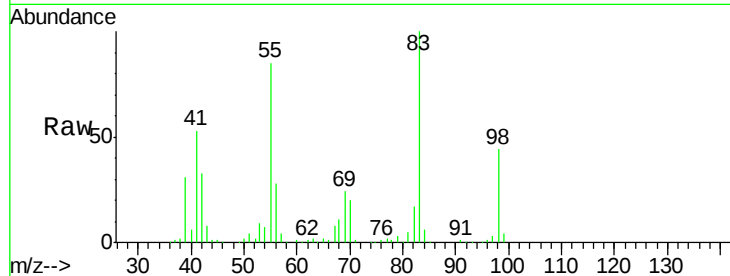
#39
Methylcyclohexane
Concen: 19.920 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
83	100		
55	85.2	66.4	99.6
98	43.6	36.4	54.6

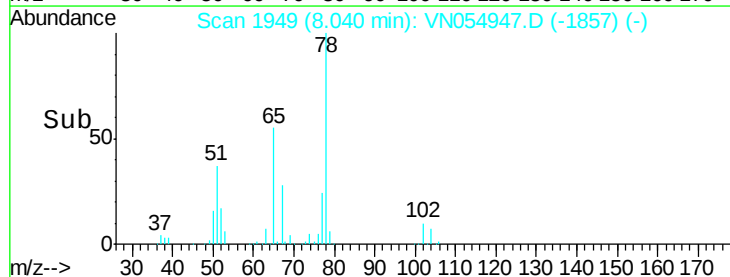
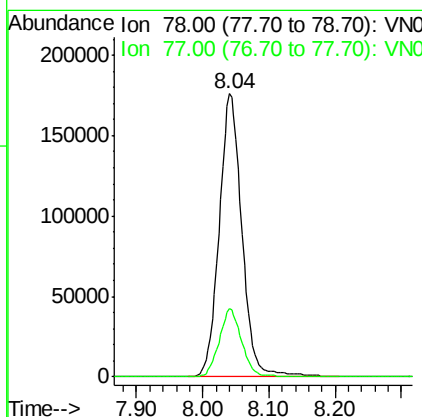
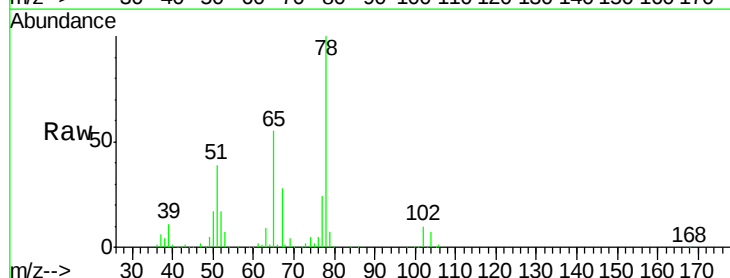
Manual Integrations
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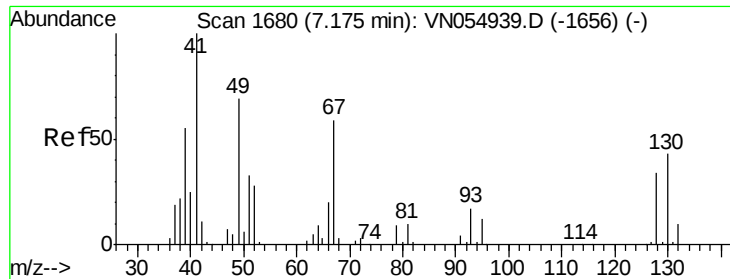
MMDadoda
4/8/2019 1:43:33 PM



#40
Benzene
Concen: 20.352 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
78	100		
77	24.0	18.6	27.8





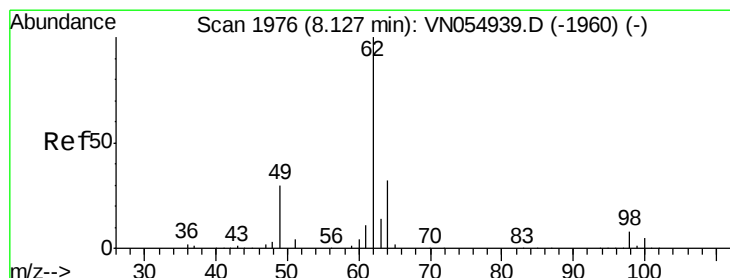
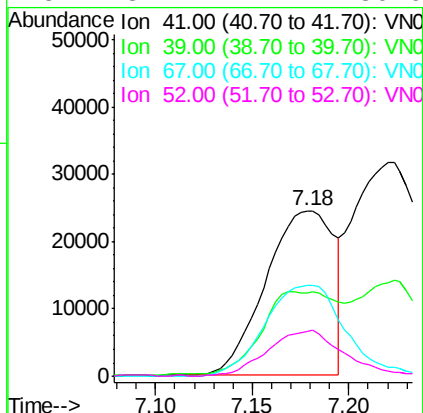
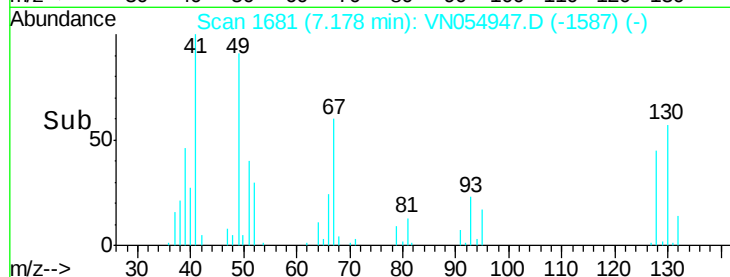
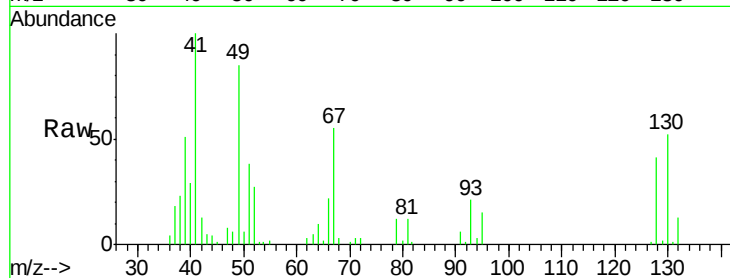
#41
Methacrylonitrile
Concen: 21.316 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.8	43.0	64.6
67	65.8	55.0	82.6
52	31.4	24.4	36.6

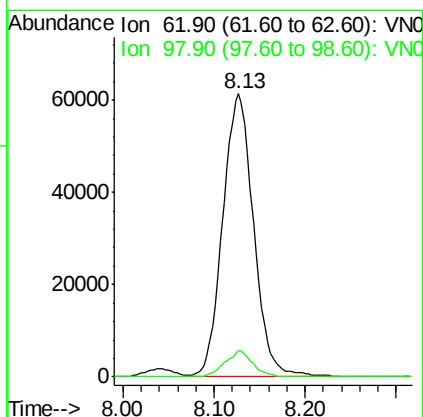
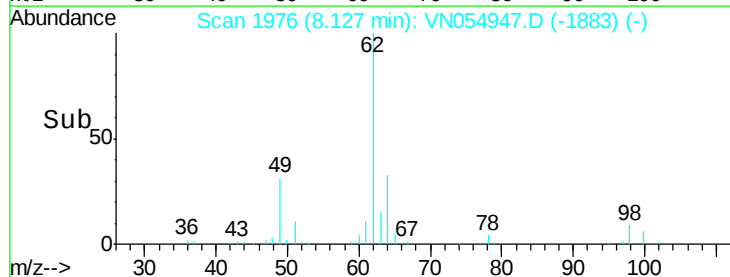
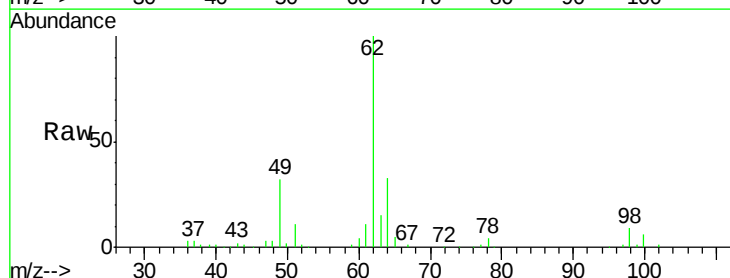
Manual Integrations
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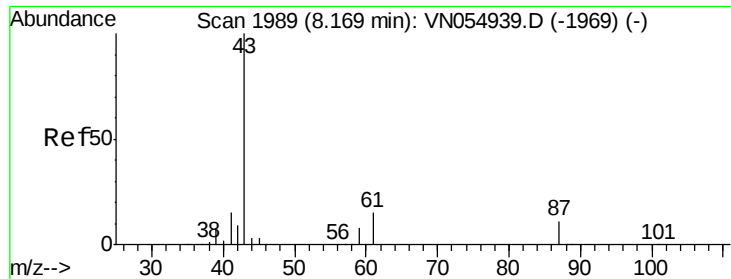
MMDadoda
4/8/2019 1:43:33 PM



#42
1,2-Dichloroethane
Concen: 19.877 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.0





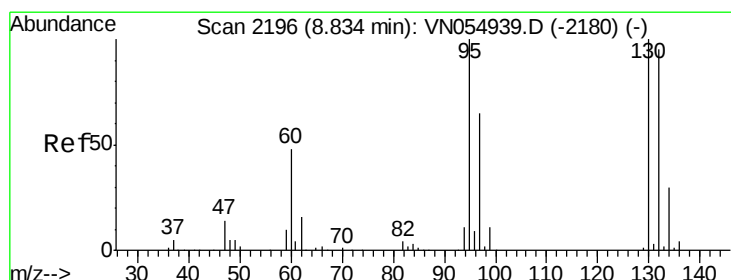
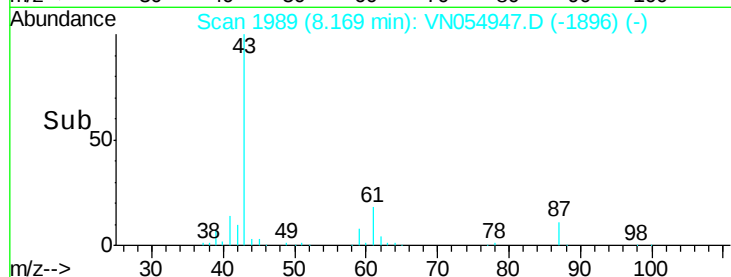
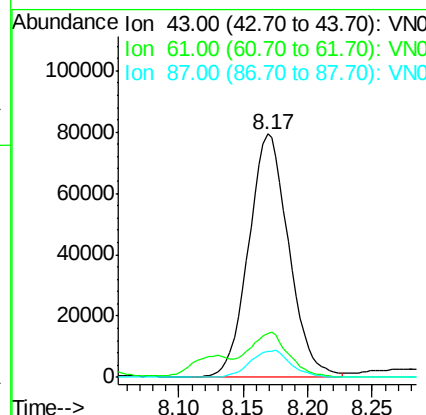
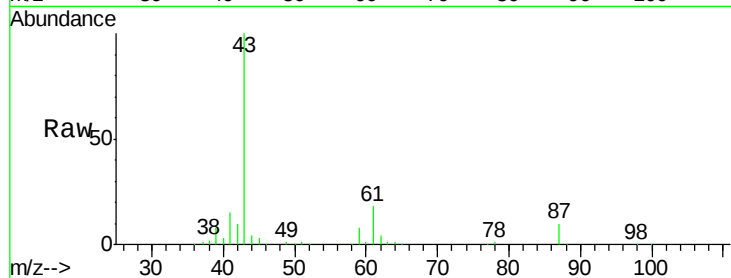
#43
Isopropyl Acetate
Concen: 20.751 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.4	21.6
87	11.2	9.0	13.4

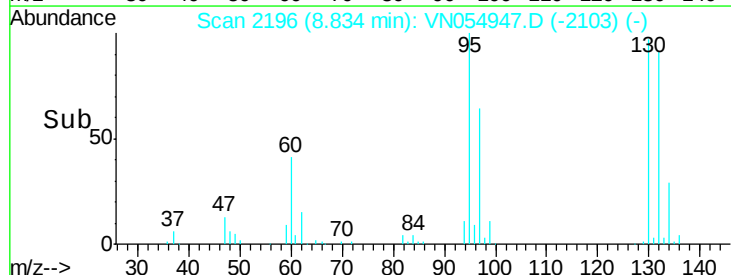
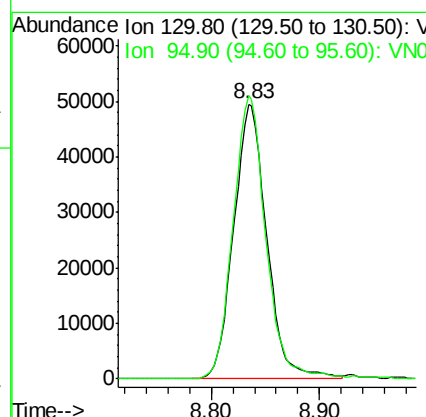
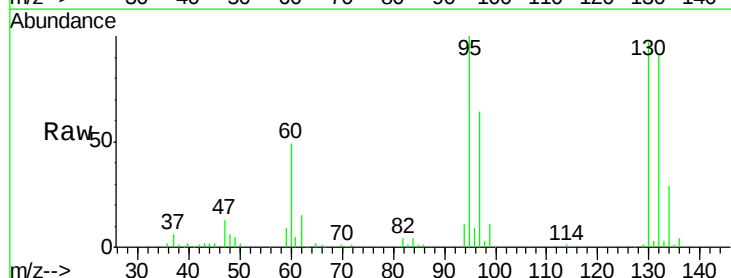
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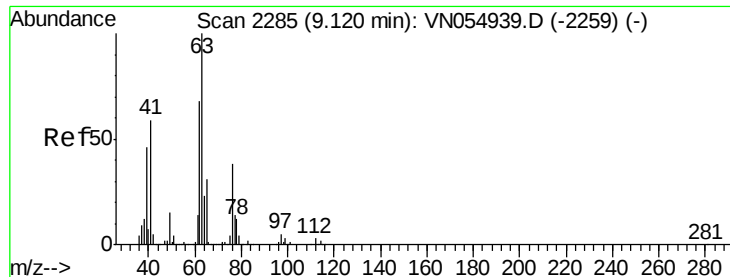
MMDadoda
4/8/2019 1:43:33 PM



#44
Trichloroethene
Concen: 20.106 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	200.4





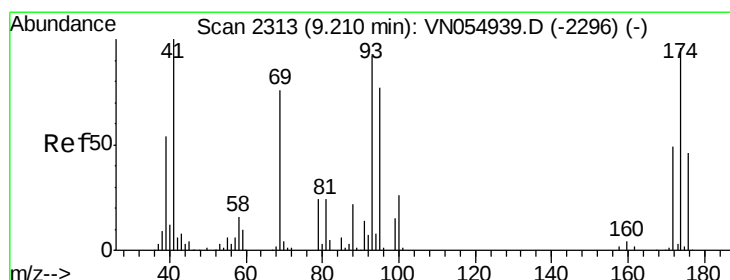
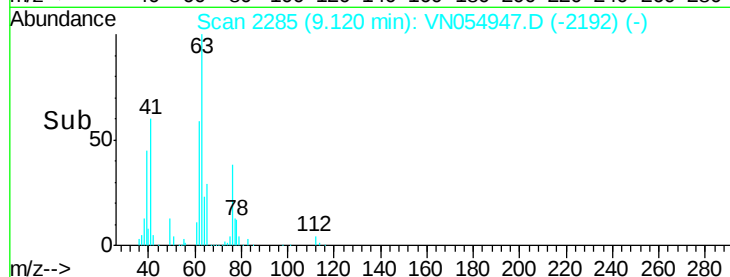
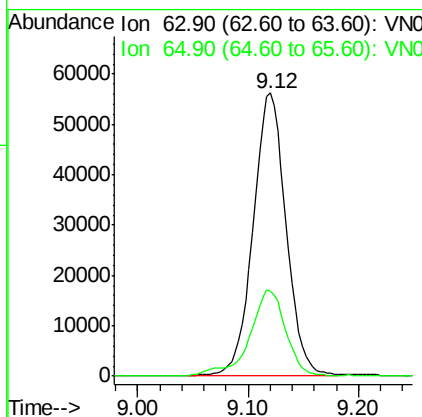
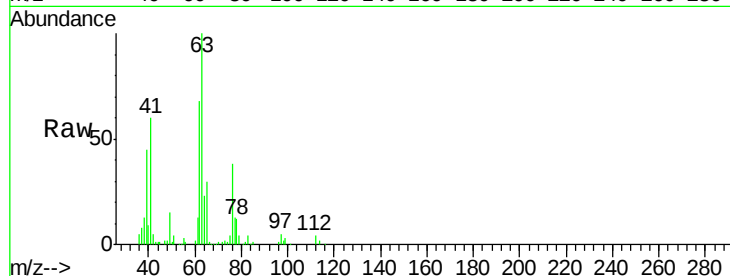
#45
 1,2-Dichloropropane
 Concen: 20.343 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

Tgt Ion: 63 Resp: 116471
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.6 37.0

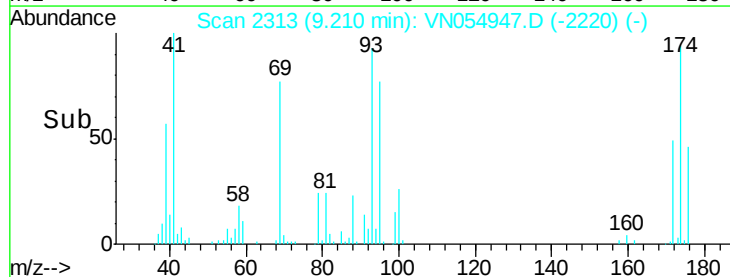
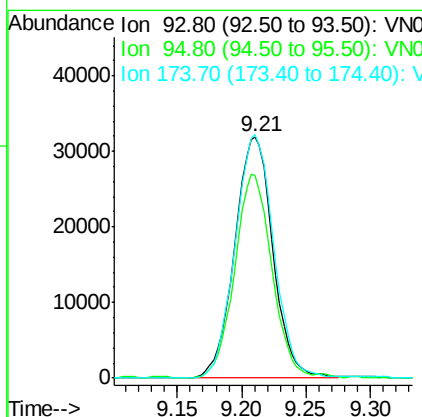
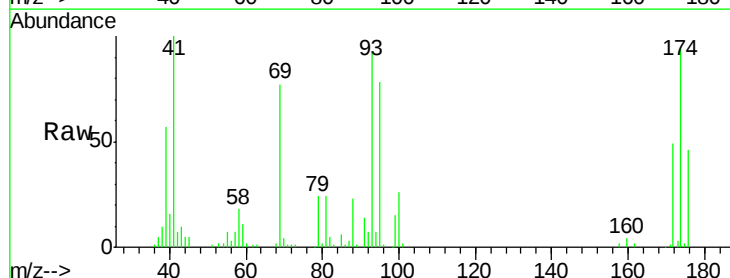
Manual Integrations
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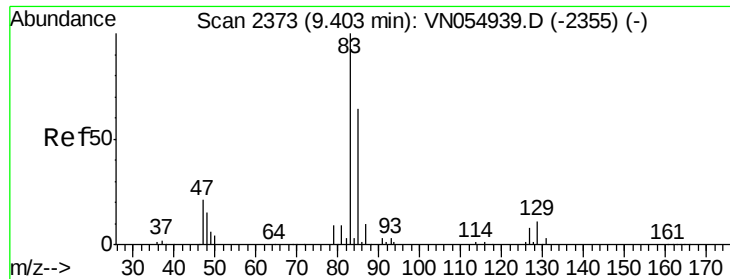
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 4/8/2019 1:43:33 PM



#46
 Dibromomethane
 Concen: 20.302 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion: 93 Resp: 65915
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.7 100.1
 174 101.9 82.0 123.0





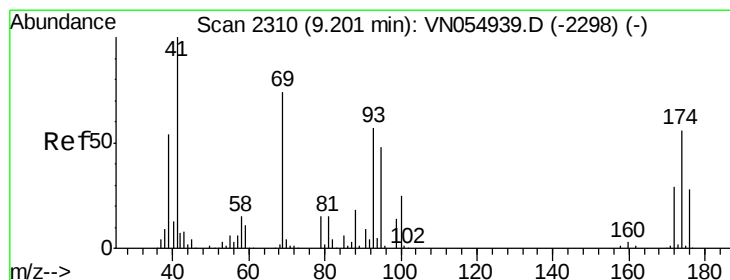
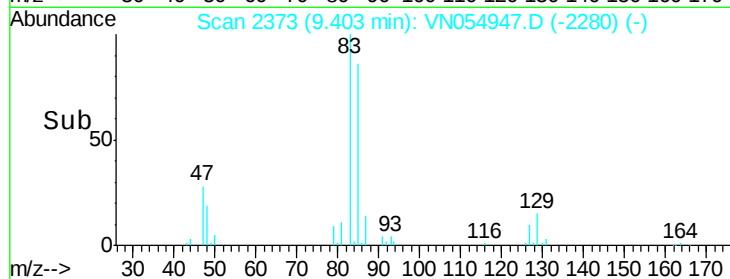
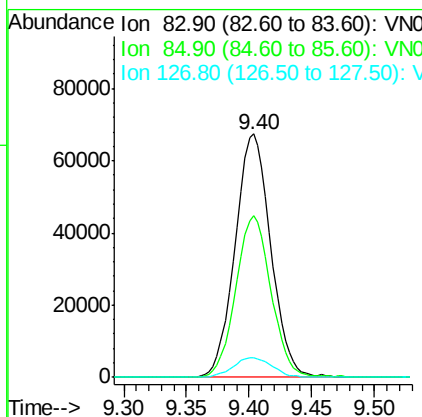
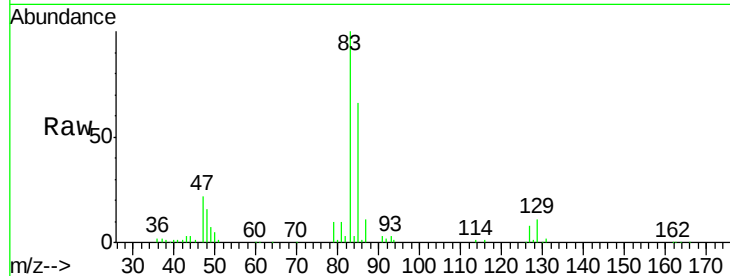
#47
Bromodichloromethane
Concen: 19.601 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	133669		
85	66.4	51.1	76.7	
127	7.9	6.7	10.1	

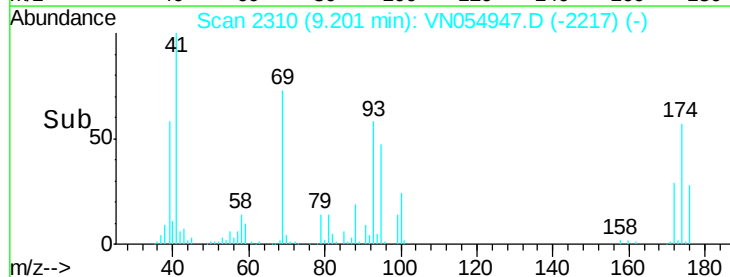
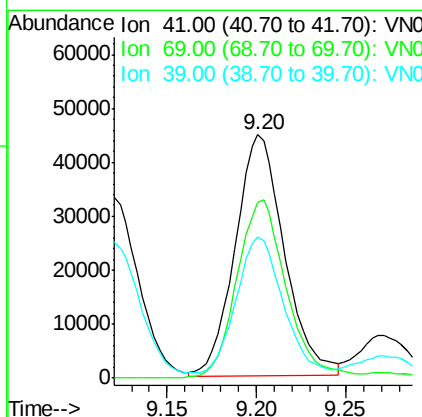
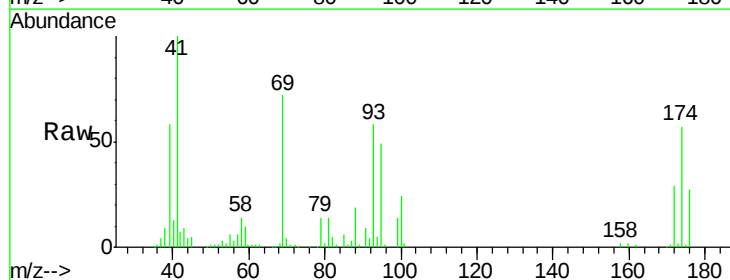
Manual Integrations
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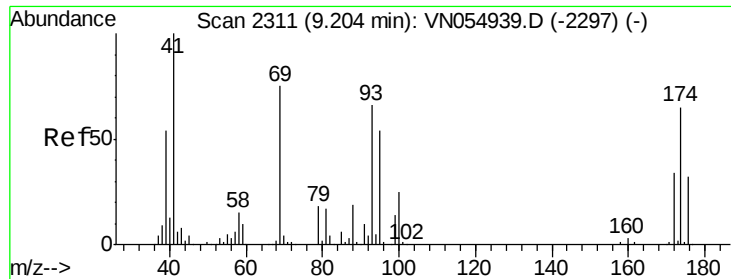
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#48
Methyl methacrylate
Concen: 20.525 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	85816		
69	74.8	58.9	88.3	
39	56.2	44.2	66.4	





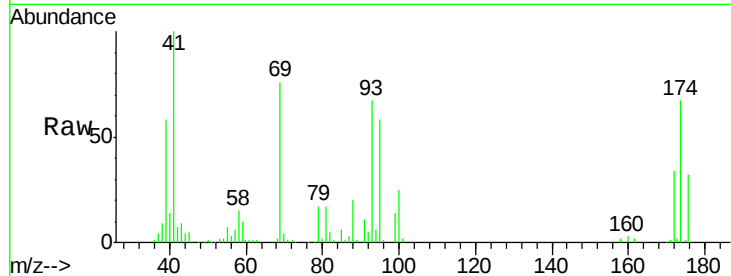
#49
1,4-Dioxane
Concen: 433.088 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

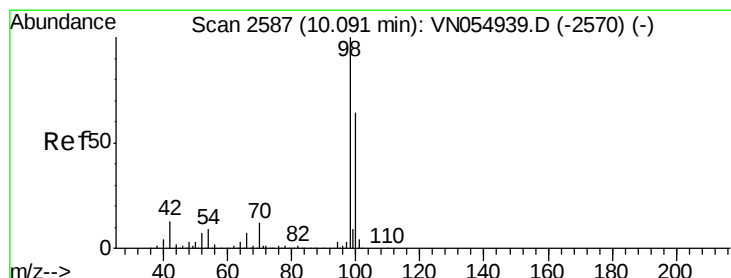
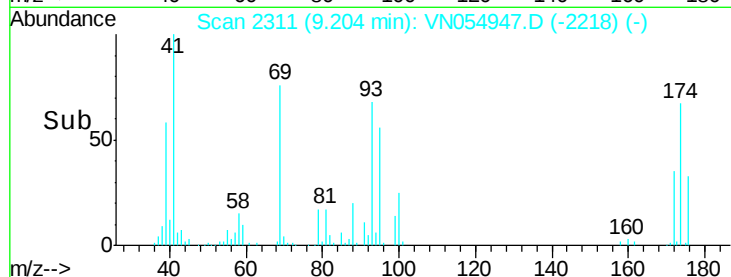
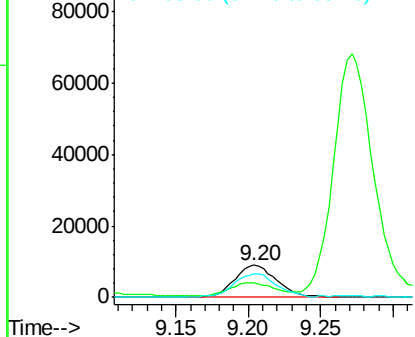
Tgt Ion	Ratio	Lower	Upper
88	100		
43	39.7	31.5	47.3
58	74.7	61.9	92.9

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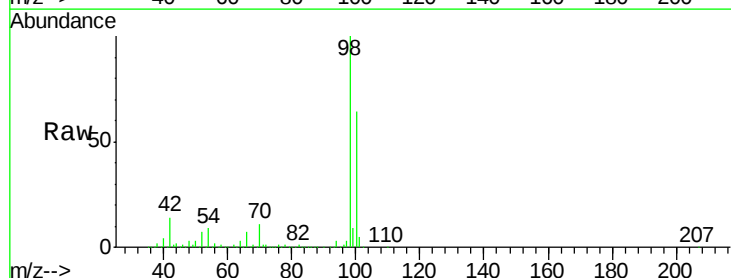


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

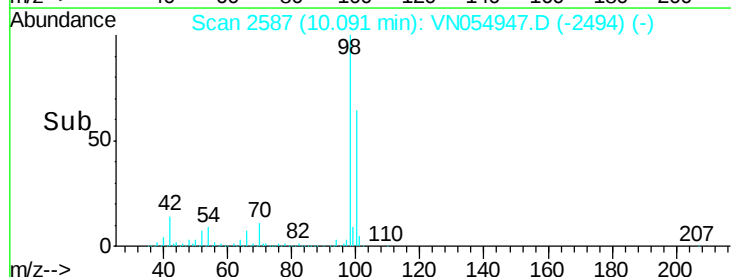
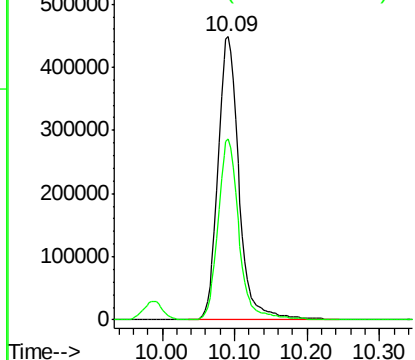


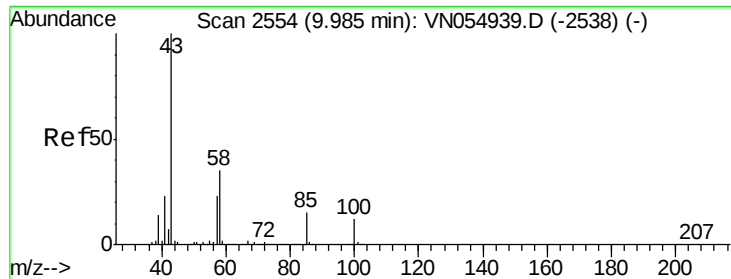
#50
Toluene-d8
Concen: 50.751 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.5	77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





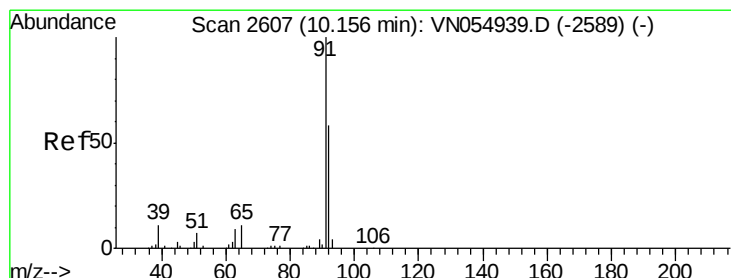
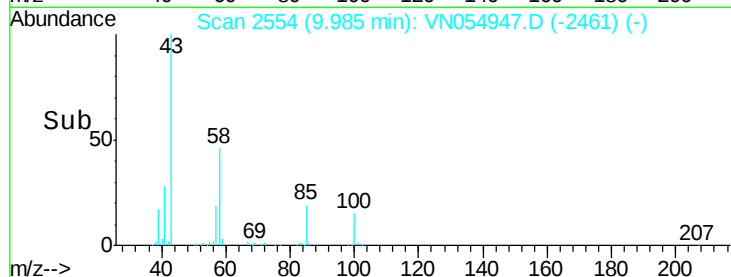
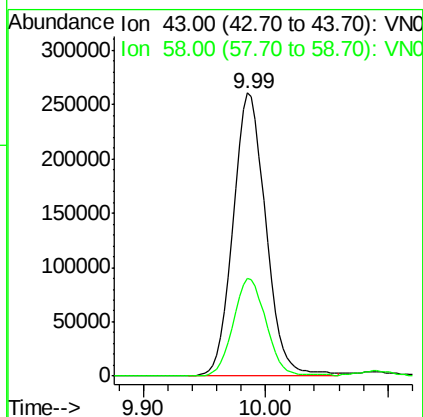
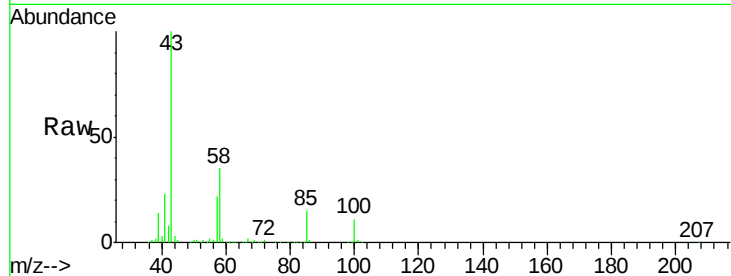
#51
4-Methyl-2-Pentanone
Concen: 104.917 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion: 43 Resp: 483413
Ion Ratio Lower Upper
43 100
58 34.4 28.3 42.5

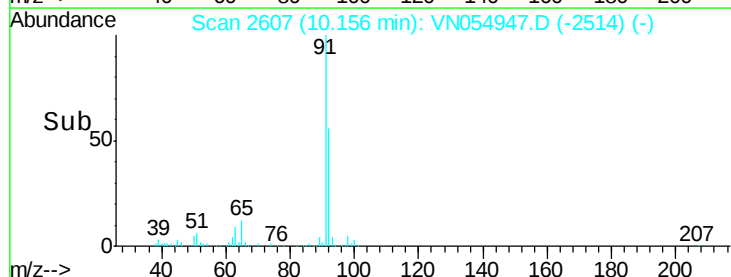
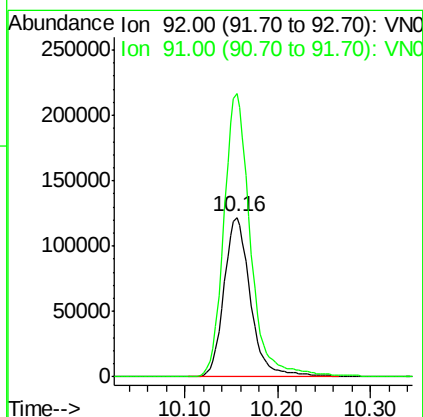
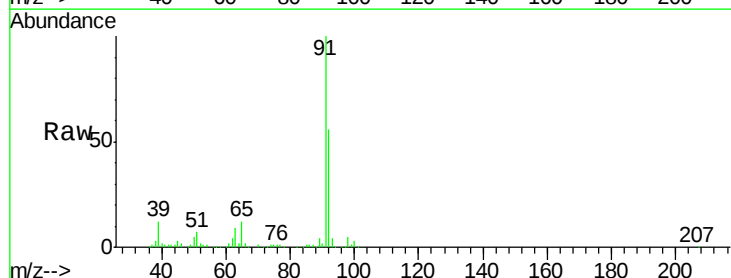
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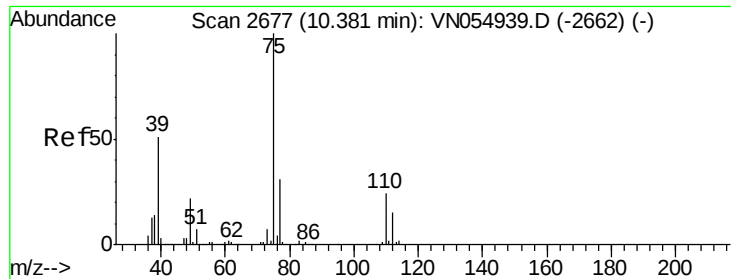
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4/8/2019 1:43:33 PM



#52
Toluene
Concen: 20.010 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion: 92 Resp: 242361
Ion Ratio Lower Upper
92 100
91 178.7 138.8 208.2





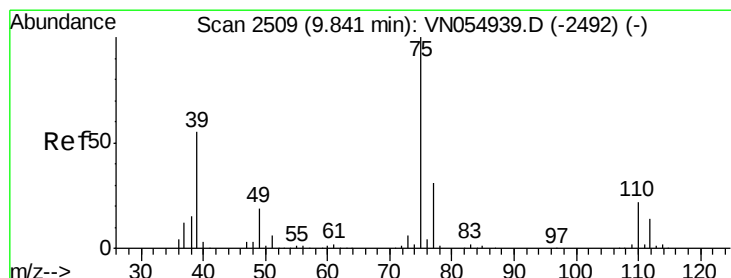
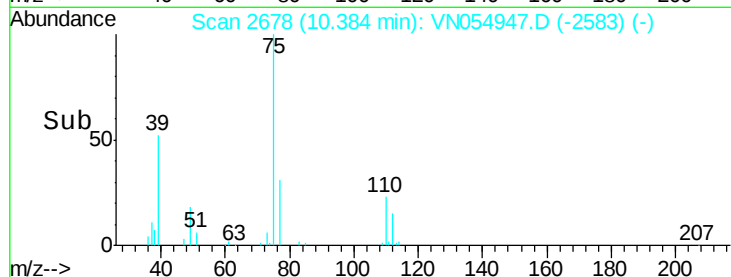
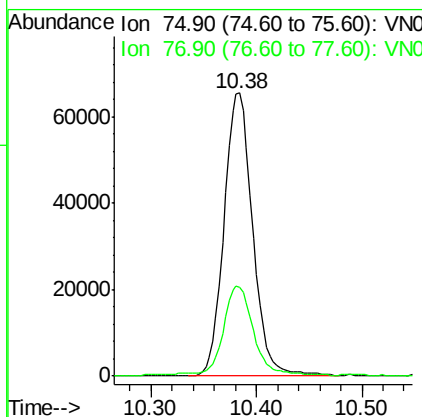
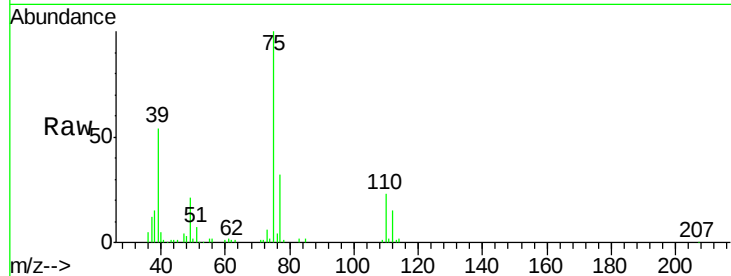
#53
 t-1,3-Dichloropropene
 Concen: 18.827 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

Tgt Ion: 75 Resp: 123483
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.6 36.8

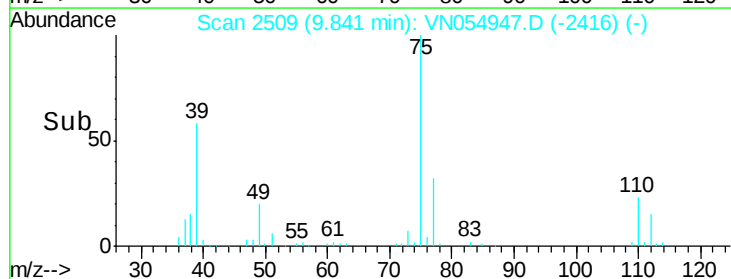
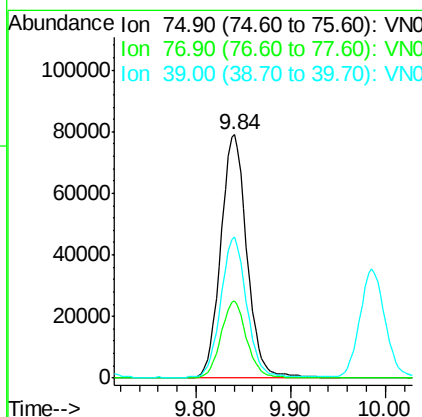
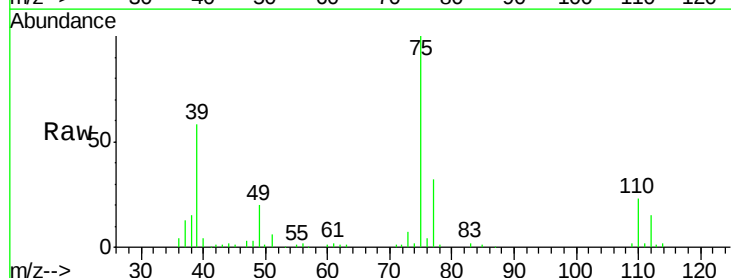
Manual Integrations
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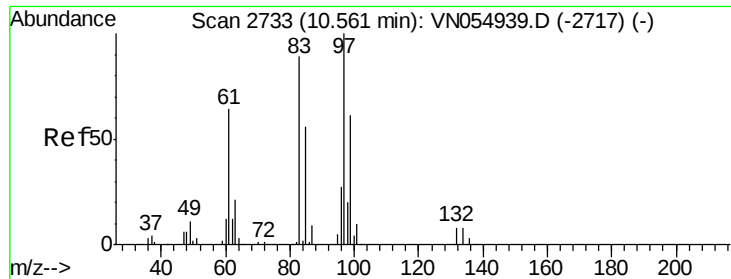
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 4/8/2019 1:43:33 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.824 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion: 75 Resp: 152154
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.0 37.4
 39 57.3 43.9 65.9





#55

1,1,2-Trichloroethane

Concen: 20.333 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

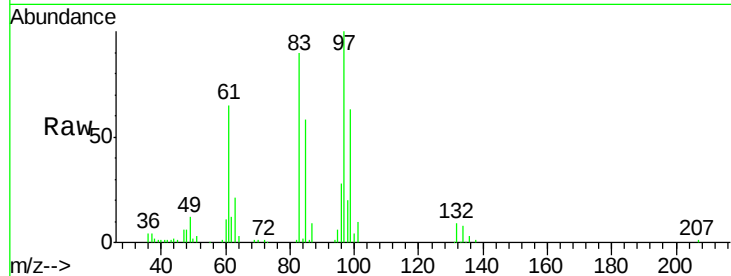
ClientSampleId :

VN0404WBS01

Tgt Ion:	97	Resp:	89289
Ion	Ratio	Lower	Upper
97	100		
83	90.1	71.5	107.3
85	58.0	45.0	67.6
99	62.2	49.1	73.7

Manual Integrations
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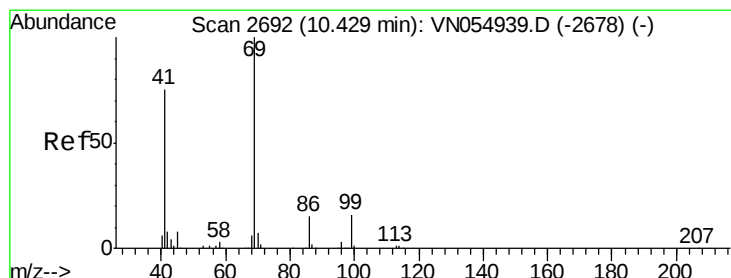
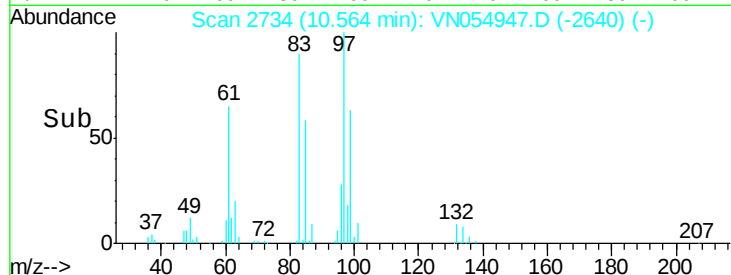
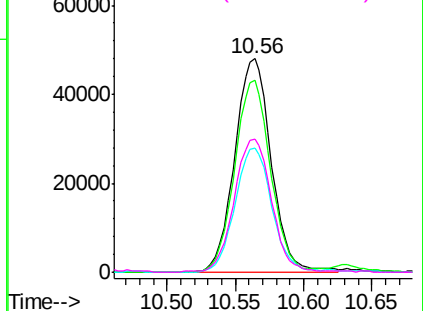


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.753 ug/l

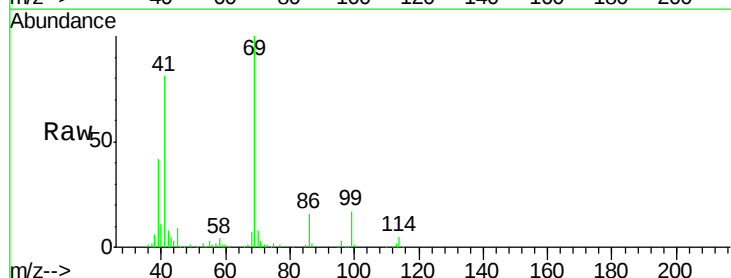
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

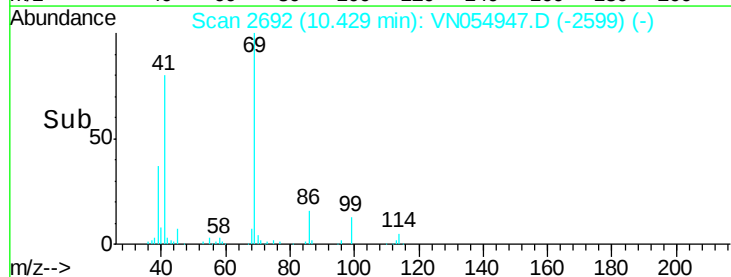
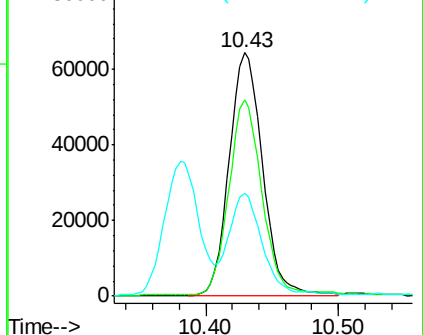
Tgt Ion:	69	Resp:	113417
Ion	Ratio	Lower	Upper
69	100		
41	79.1	60.2	90.2
39	41.4	31.3	46.9

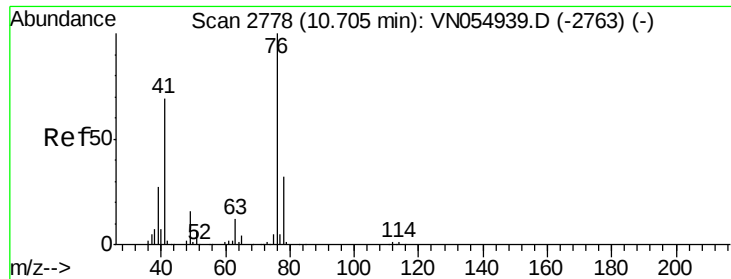


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





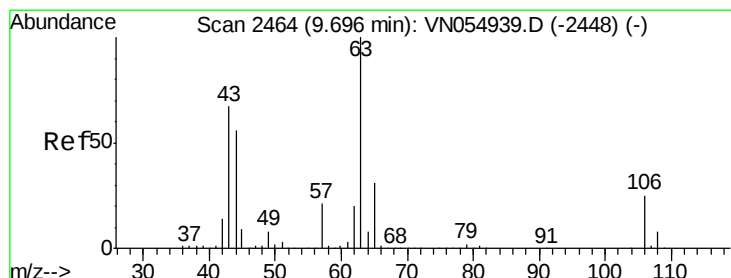
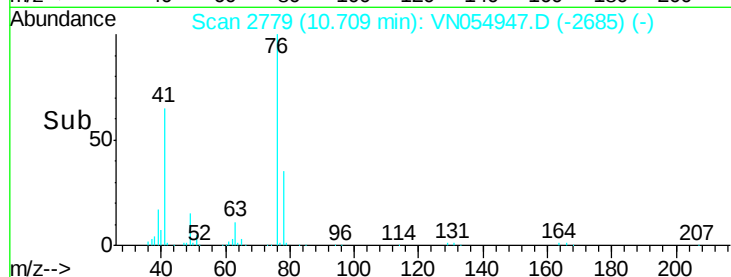
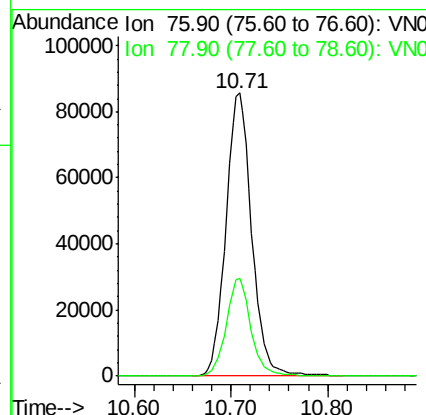
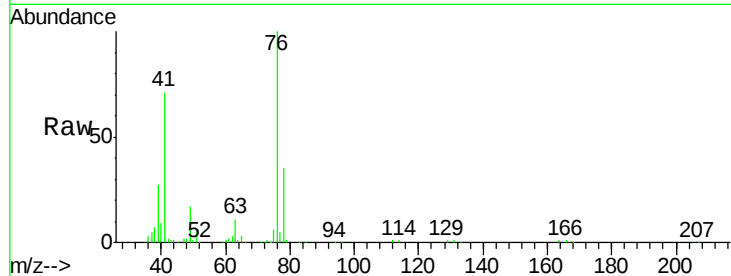
#57
 1,3-Dichloropropane
 Concen: 20.662 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

Tgt Ion: 76 Resp: 158464
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.9 38.9

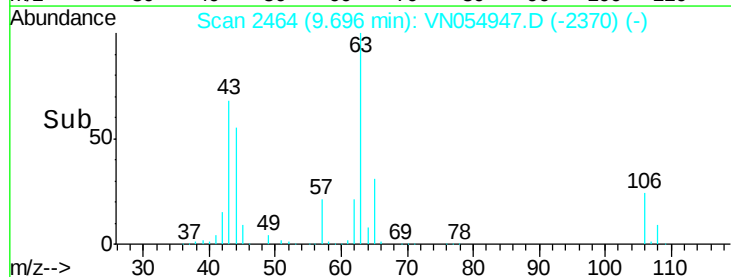
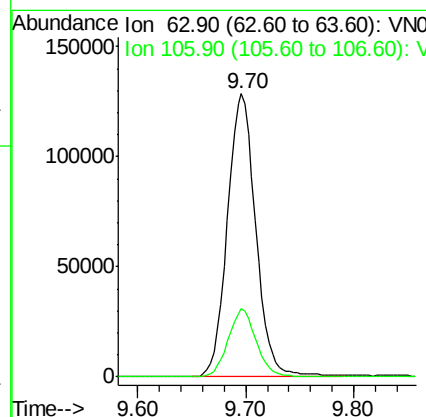
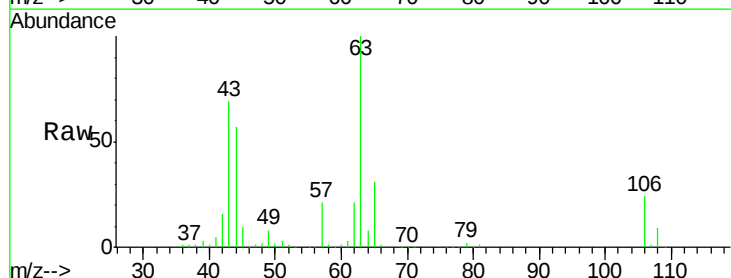
Manual Integrations
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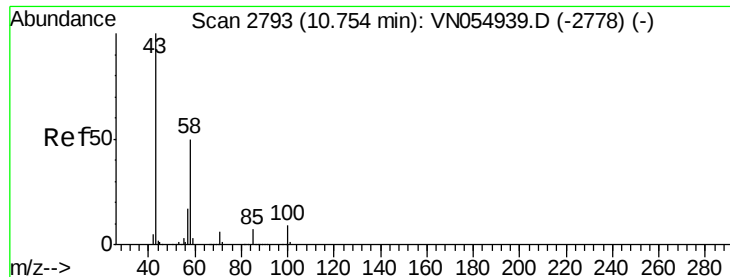
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 4/8/2019 1:43:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.727 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion: 63 Resp: 235967
 Ion Ratio Lower Upper
 63 100
 106 23.8 19.7 29.5





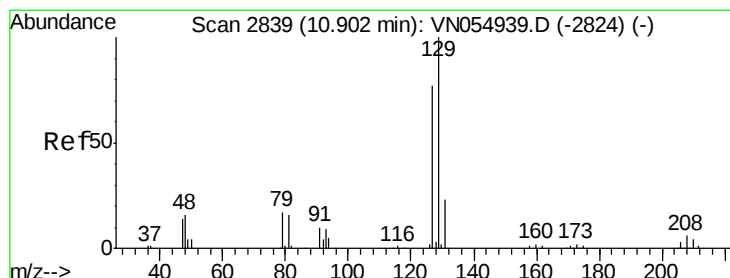
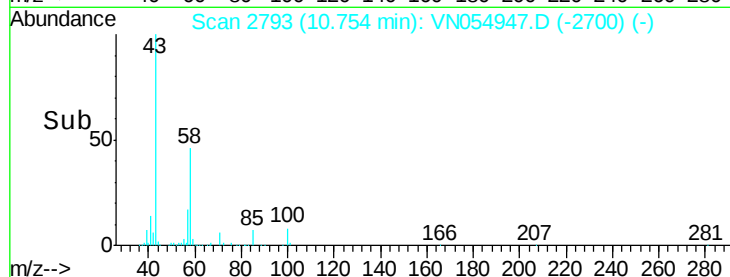
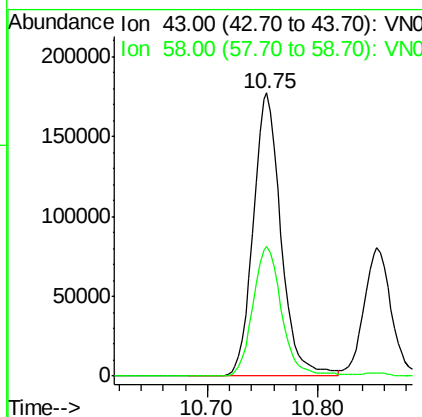
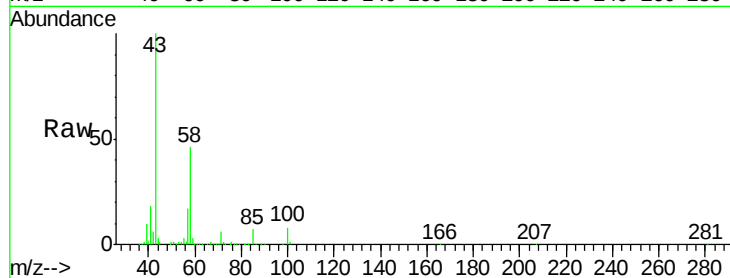
#59
2-Hexanone
Concen: 106.559 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion: 43 Resp: 306673
Ion Ratio Lower Upper
43 100
58 47.8 24.6 73.8

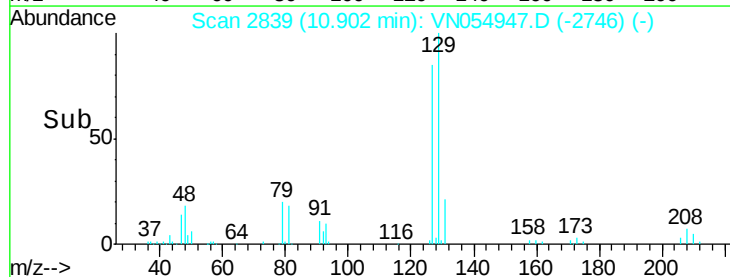
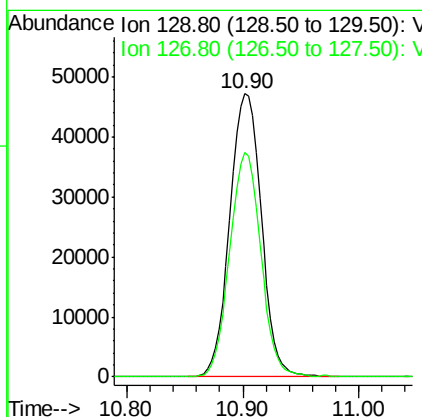
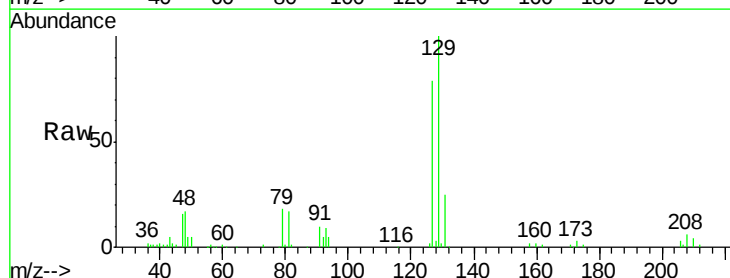
Manual Integrations
APPROVED

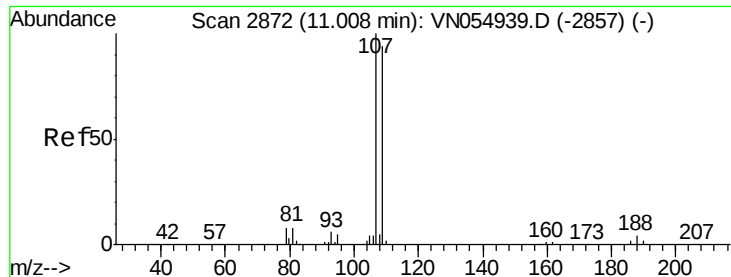
MMDadoda
4/8/2019 1:43:33 PM



#60
Dibromochloromethane
Concen: 19.491 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion: 129 Resp: 89656
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.2





#61

1,2-Dibromoethane

Concen: 20.575 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampled :

VN0404WBS01

Tgt Ion: 107 Resp: 84956

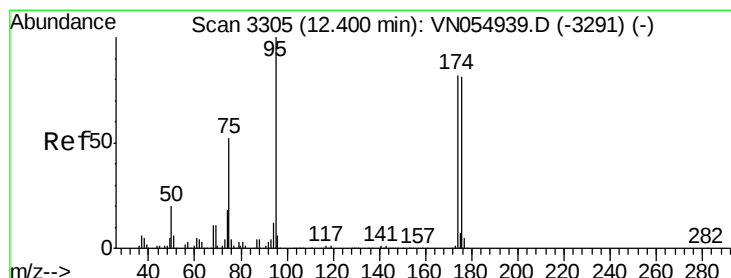
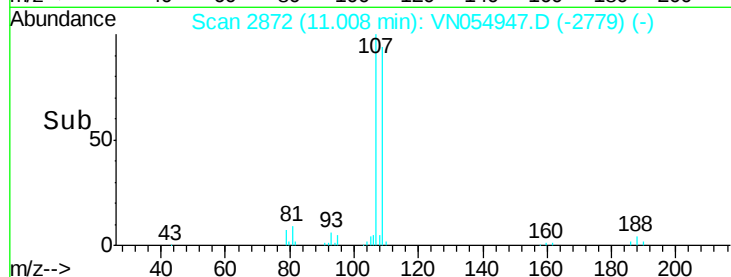
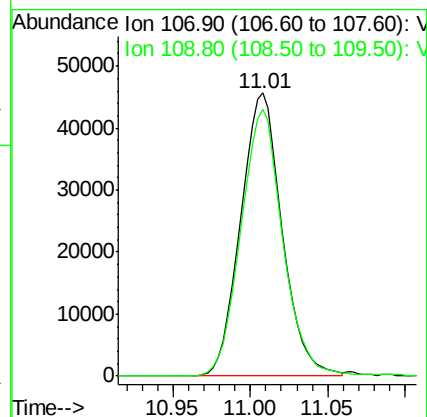
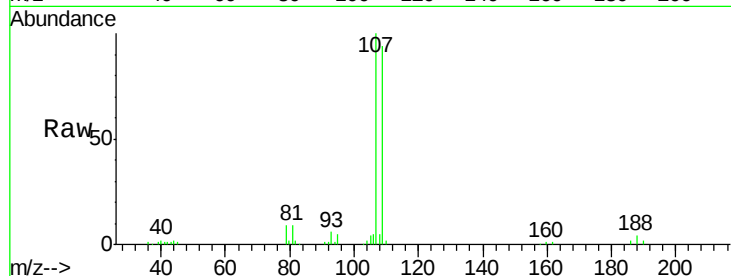
Ion Ratio Lower Upper

107 100

109 94.9 74.6 112.0

Manual Integrations
APPROVED

MMDadoda
4/8/2019 1:43:33 PM



#62

4-Bromofluorobenzene

Concen: 49.900 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

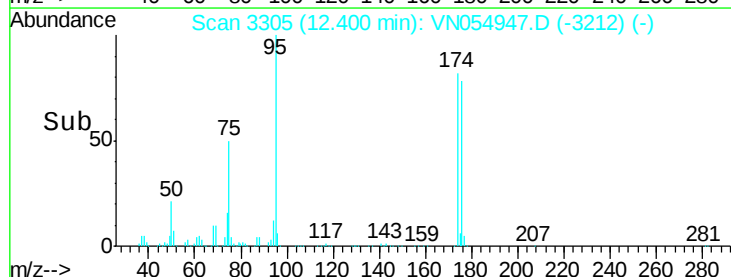
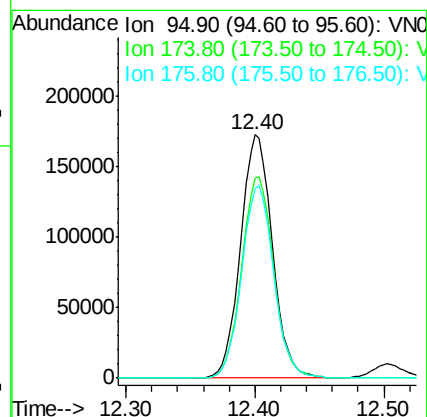
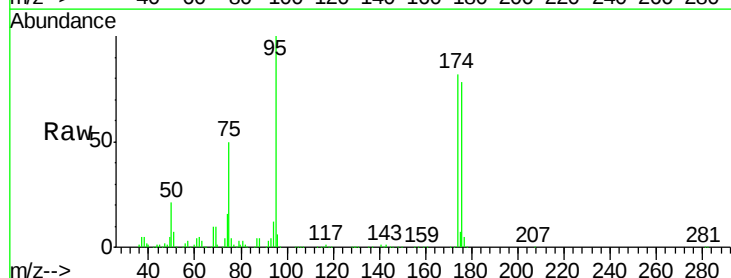
Tgt Ion: 95 Resp: 296449

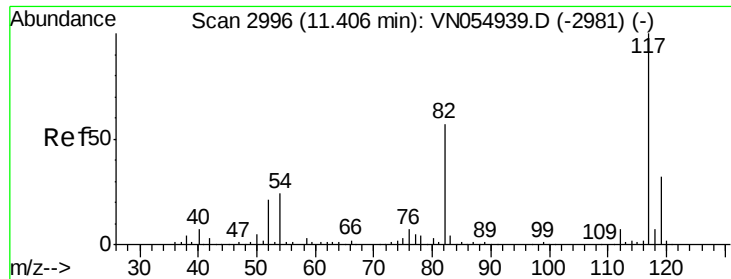
Ion Ratio Lower Upper

95 100

174 83.2 0.0 166.2

176 80.0 0.0 163.2





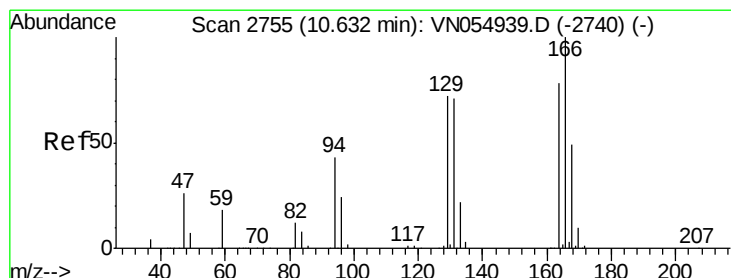
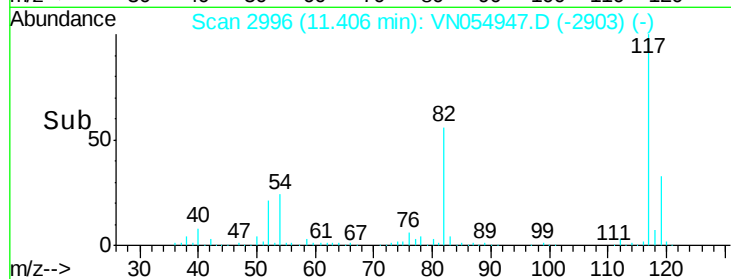
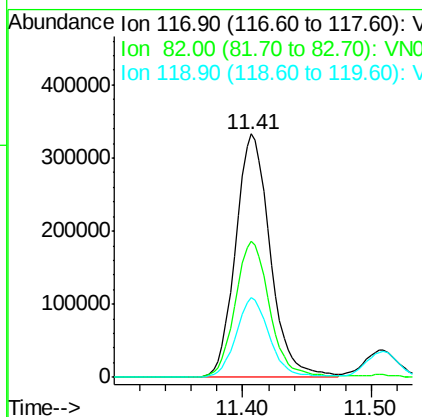
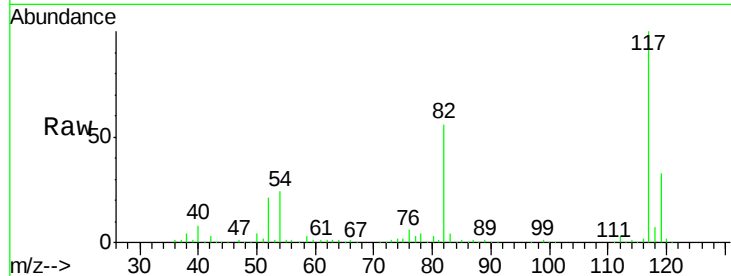
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	622161		
82	55.7	45.3	67.9	
119	32.5	25.8	38.6	

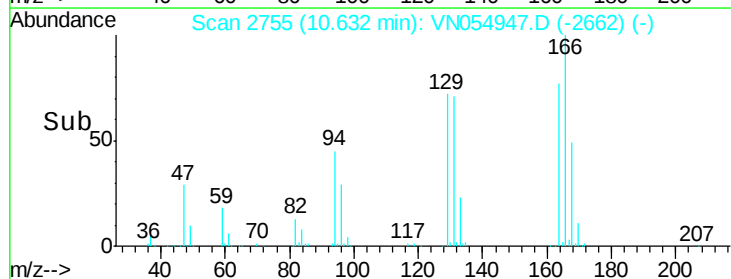
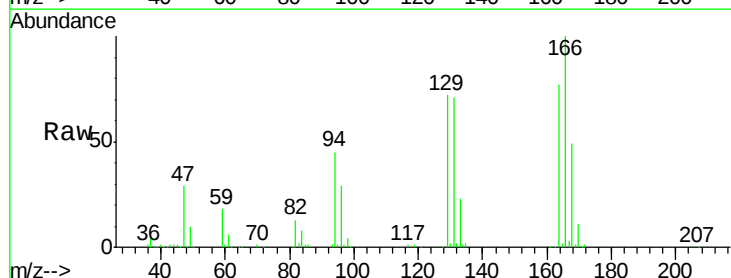
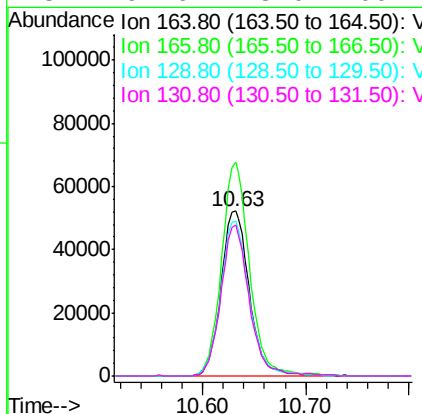
Manual Integrations
APPROVED

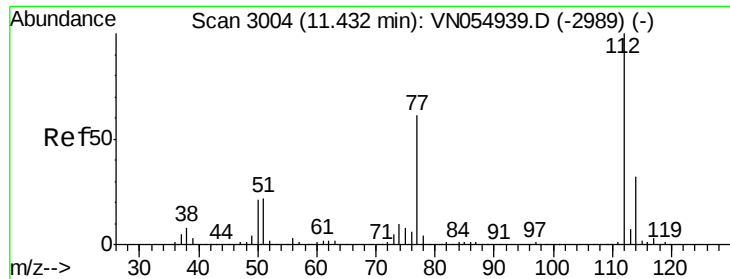
MMDadoda
4/8/2019 1:43:33 PM



#64
Tetrachloroethene
Concen: 19.902 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	99866		
166	129.8	103.1	154.7	
129	94.0	73.9	110.9	
131	91.6	73.0	109.4	





#65

Chlorobenzene

Concen: 20.250 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

Tgt Ion:112 Resp: 256796

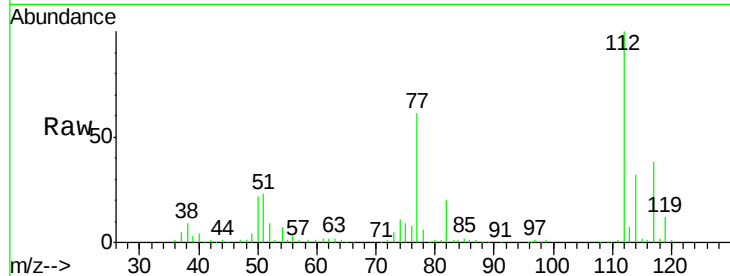
Ion Ratio Lower Upper

112 100

114 31.9 25.4 38.0

Manual Integrations
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4/8/2019 1:43:33 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

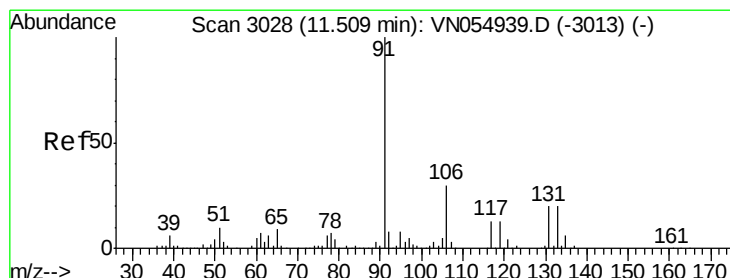
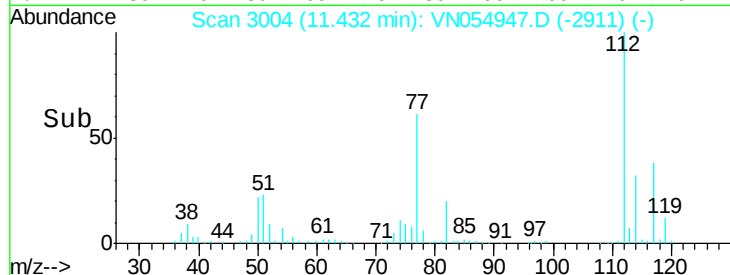
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.790 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

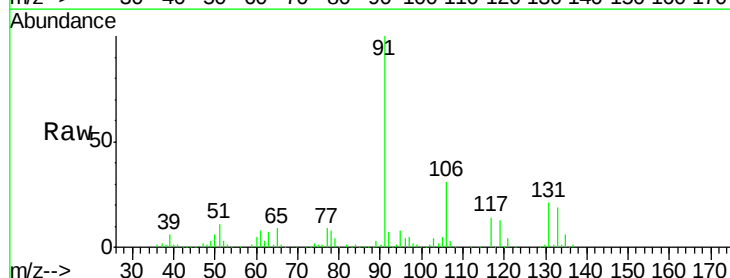
Tgt Ion:131 Resp: 96531

Ion Ratio Lower Upper

131 100

133 92.6 48.1 144.4

119 66.0 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

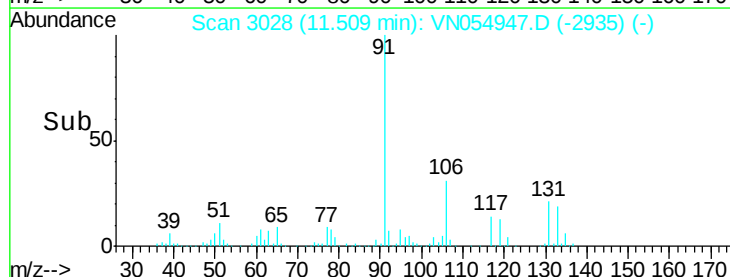
11.51

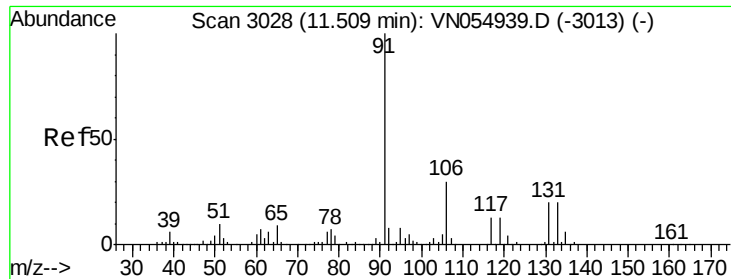
100000

50000

0

Time-->





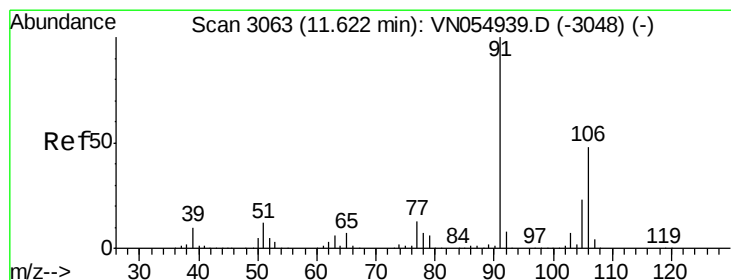
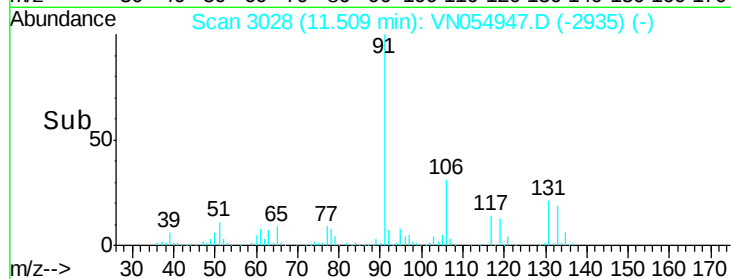
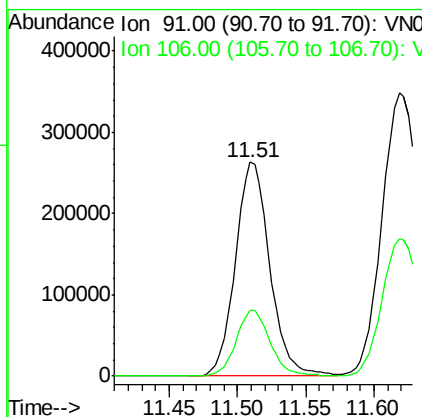
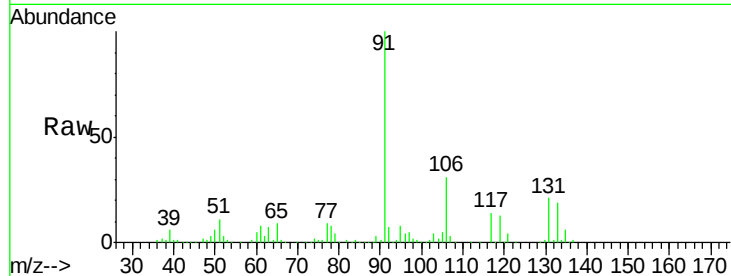
#67
Ethyl Benzene
Concen: 20.212 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion: 91 Resp: 462155
Ion Ratio Lower Upper
91 100
106 30.5 24.1 36.1

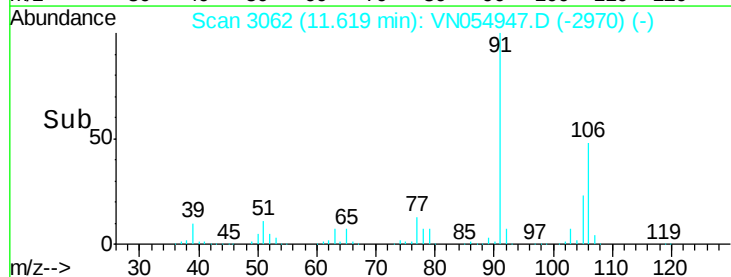
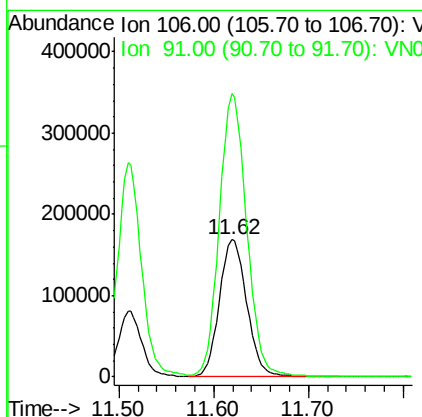
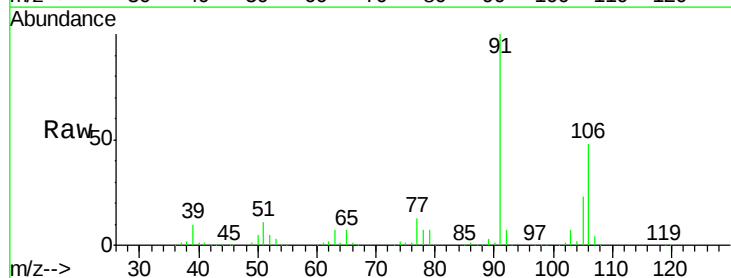
Manual Integrations
APPROVED

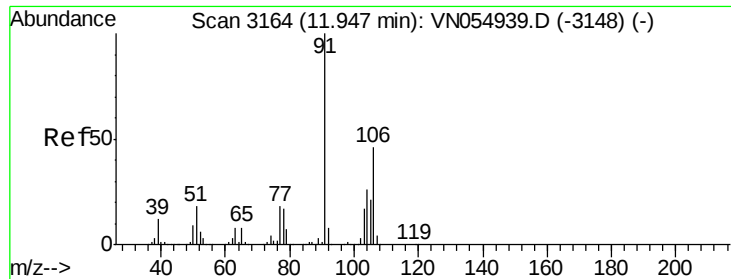
MMDadoda
4/8/2019 1:43:33 PM



#68
m/p-Xylenes
Concen: 40.869 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion: 106 Resp: 341605
Ion Ratio Lower Upper
106 100
91 205.8 167.4 251.2





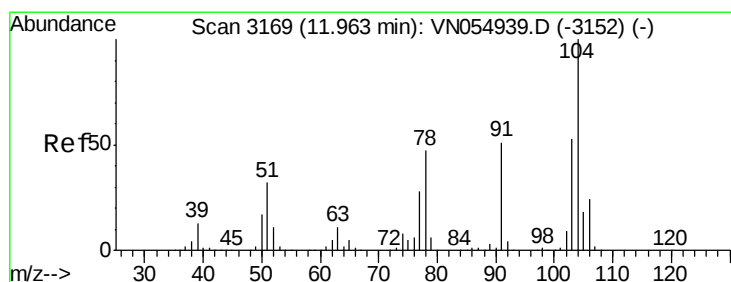
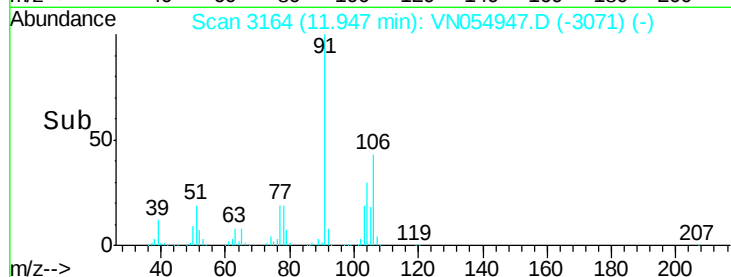
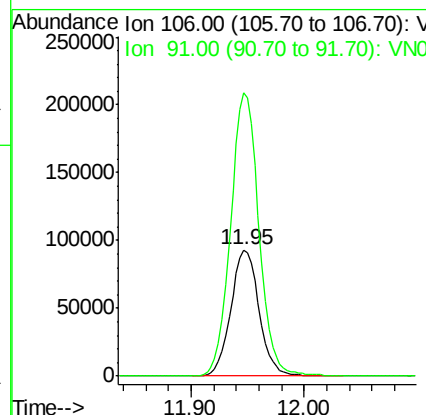
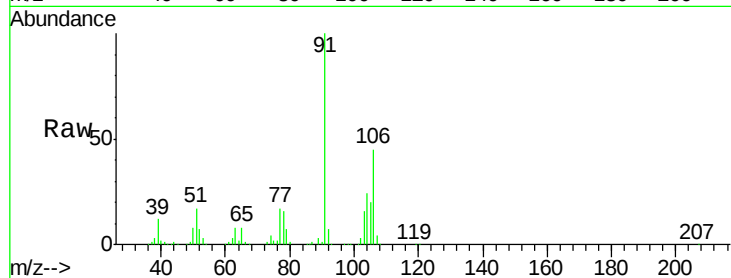
#69
o-Xylene
Concen: 19.873 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion:106 Resp: 162022
Ion Ratio Lower Upper
106 100
91 224.2 109.9 329.7

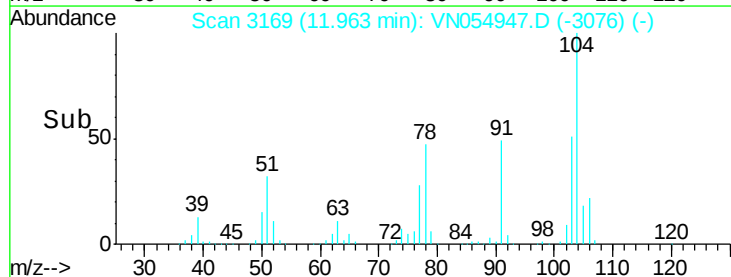
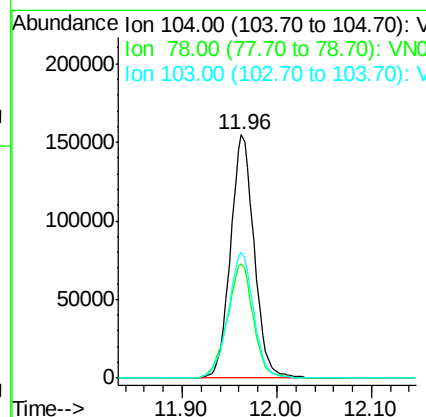
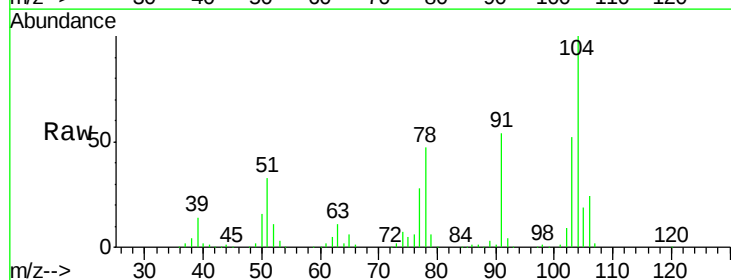
Manual Integrations
APPROVED

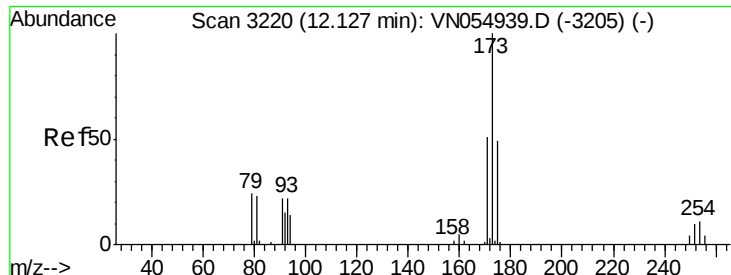
MMDadoda
4/8/2019 1:43:33 PM



#70
Styrene
Concen: 20.595 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion:104 Resp: 269334
Ion Ratio Lower Upper
104 100
78 51.4 41.1 61.7
103 55.7 45.0 67.4





#71

Bromoform

Concen: 19.914 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

Tgt Ion:173 Resp: 55575

Ion Ratio Lower Upper

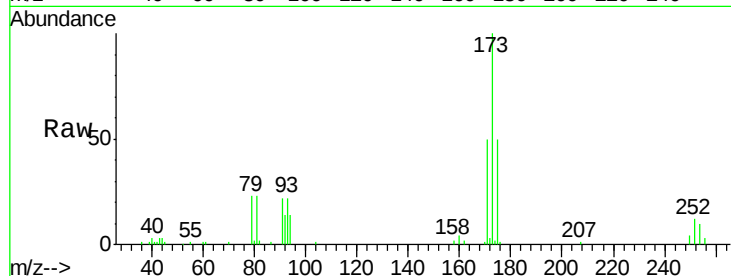
173 100

175 48.0 24.1 72.4

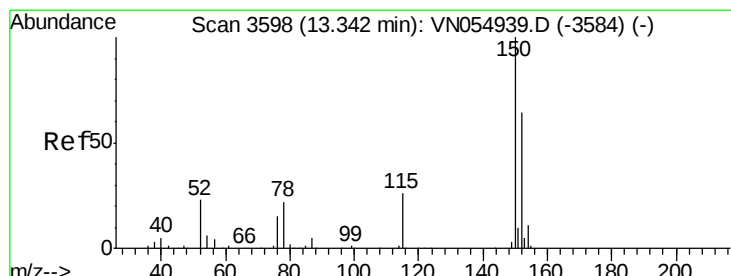
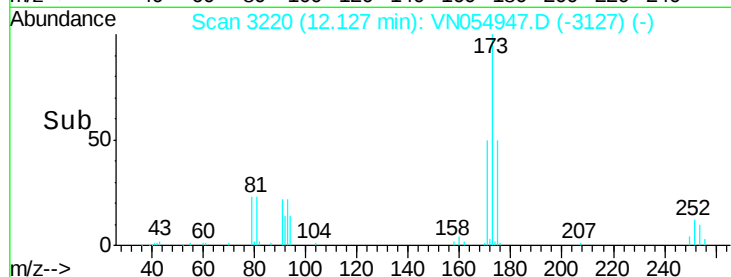
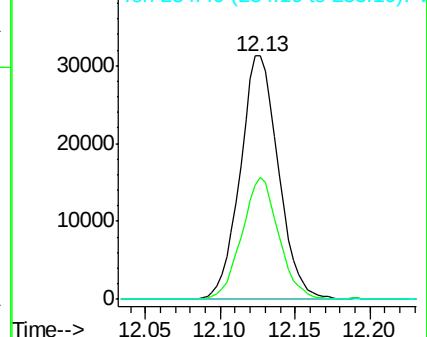
254 0.0 0.0 0.0

Manual Integrations
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MMDadoda
4/8/2019 1:43:33 PM



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: VN054947.D

Acq: 4 Apr 2019 15:07

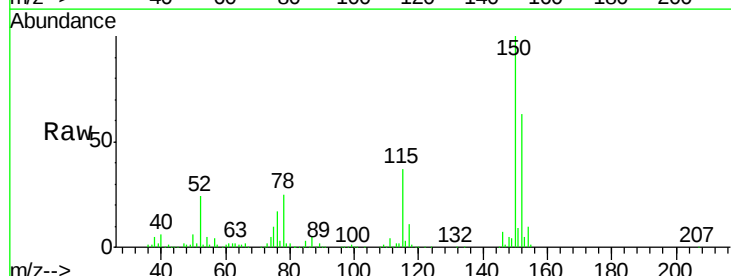
Tgt Ion:152 Resp: 258419

Ion Ratio Lower Upper

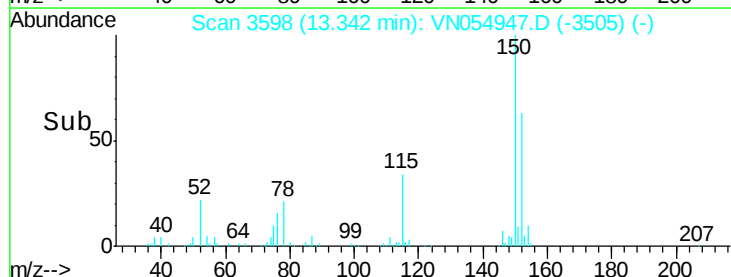
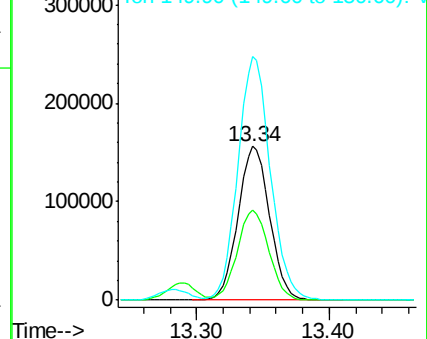
152 100

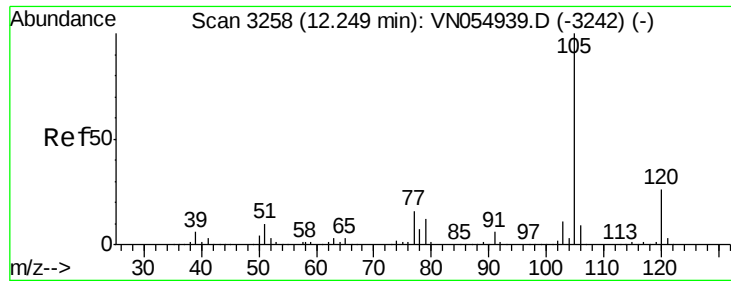
115 58.6 28.9 86.8

150 162.8 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: 20.051 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

Tgt Ion: 105 Resp: 437703

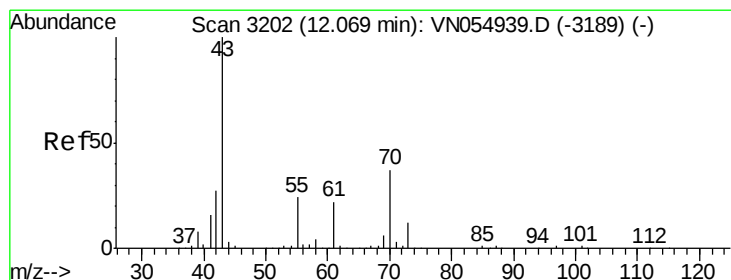
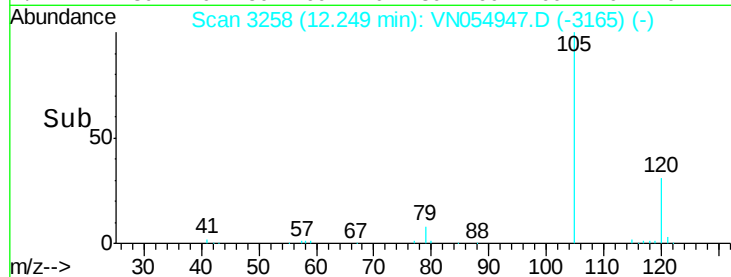
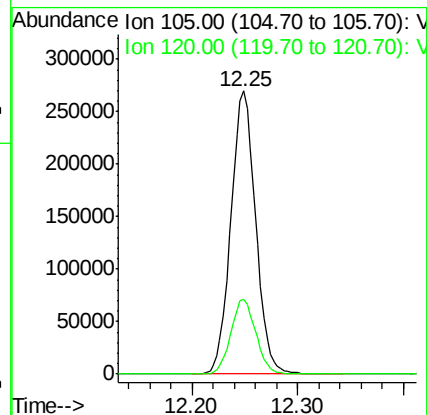
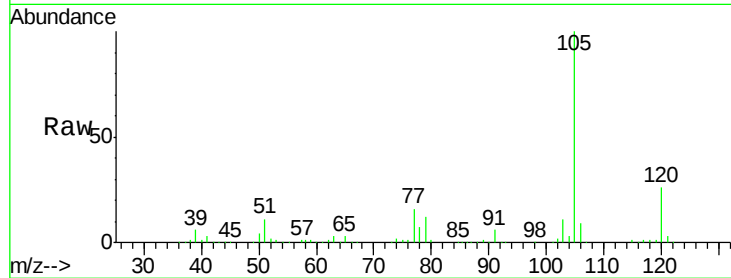
Ion Ratio Lower Upper

105 100

120 26.7 13.0 39.0

Manual Integrations
APPROVED

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4/8/2019 1:43:33 PM



#74

N-ethyl acetate

Concen: 21.365 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Tgt Ion: 43 Resp: 129635

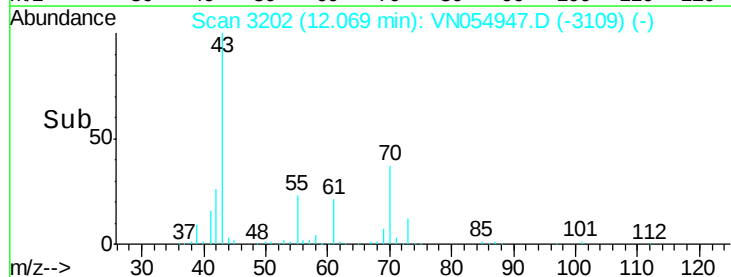
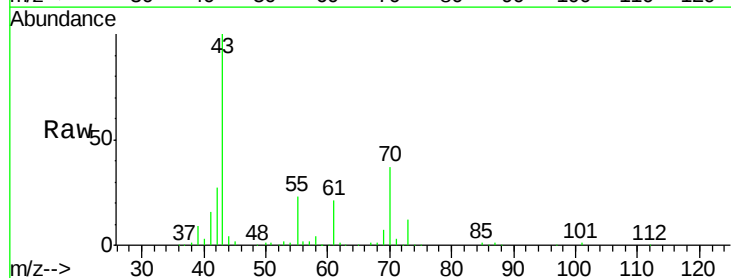
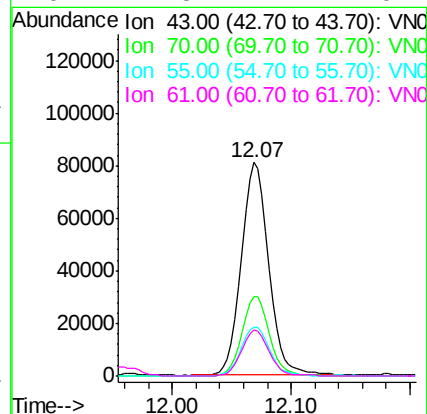
Ion Ratio Lower Upper

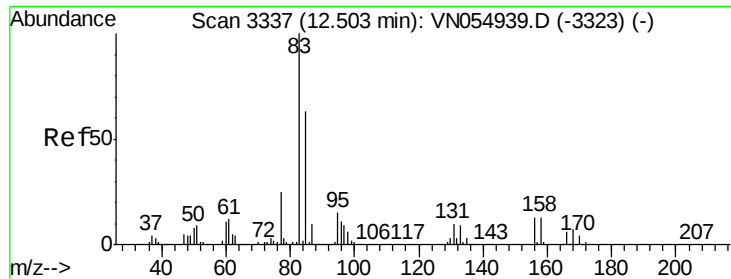
43 100

70 37.4 29.3 43.9

55 24.2 19.2 28.8

61 21.8 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.159 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

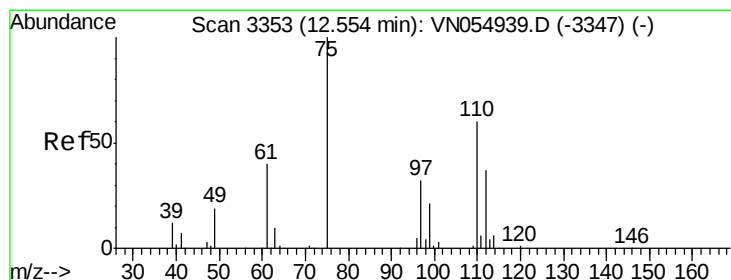
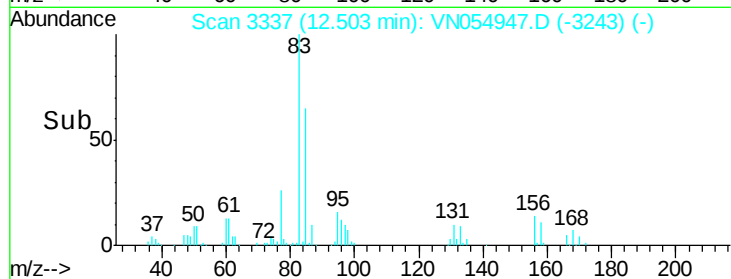
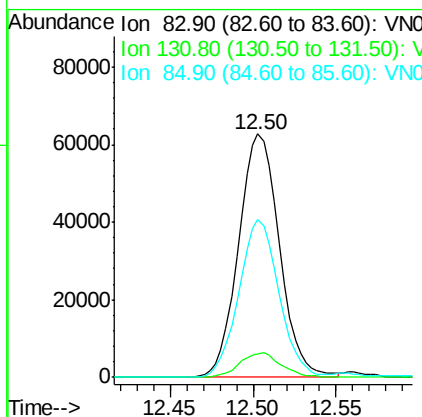
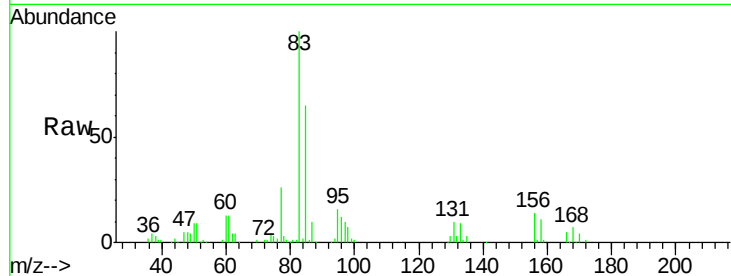
ClientSampleId :

VN0404WBS01

Tgt Ion:	83	Resp:	107821
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	63.3	31.4	94.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.992 ug/l m

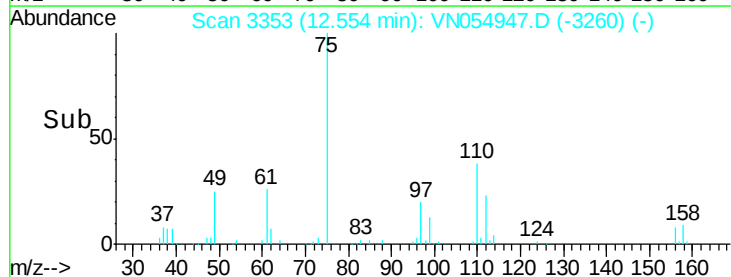
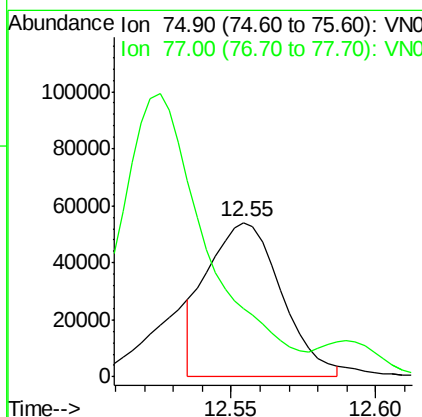
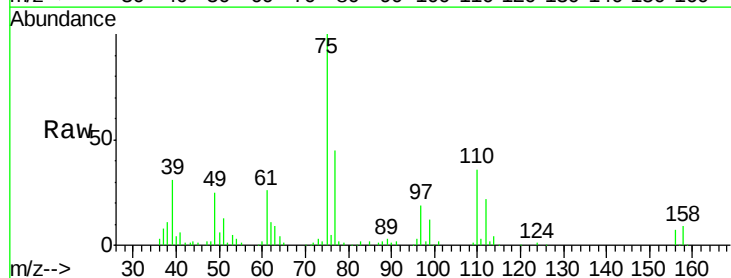
RT: 12.55 min Scan# 3353

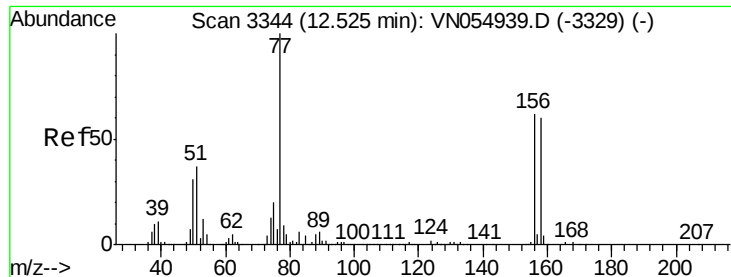
Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Tgt Ion:	75	Resp:	95725
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.266 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

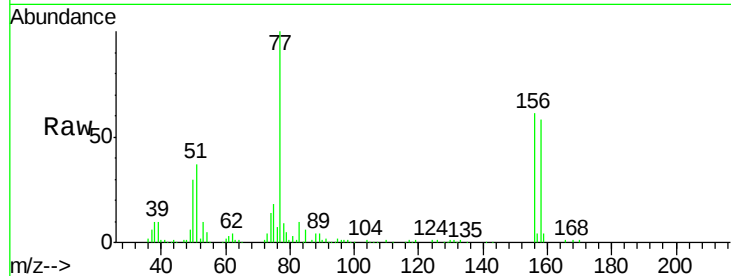
ClientSampleId :

VN0404WBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	194.7	93.1	279.3
158	96.0	48.4	145.3

Manual Integrations
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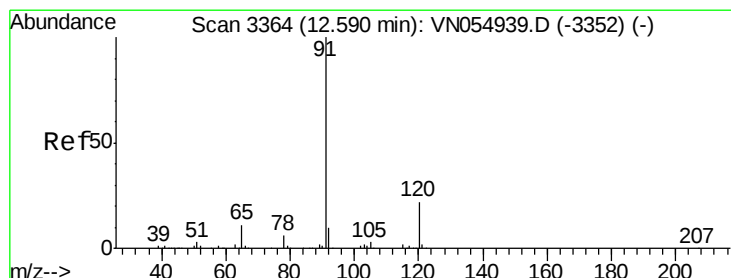
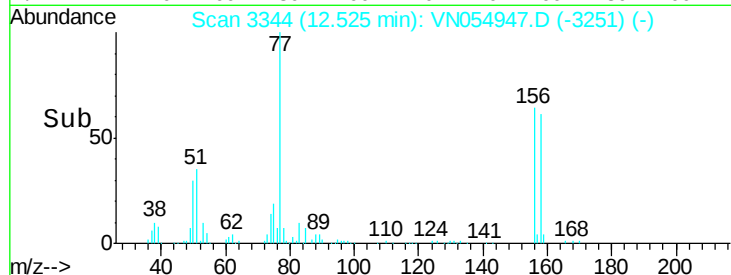
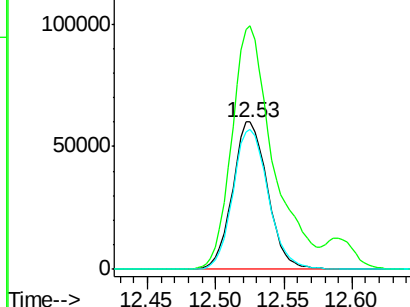
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.257 ug/l

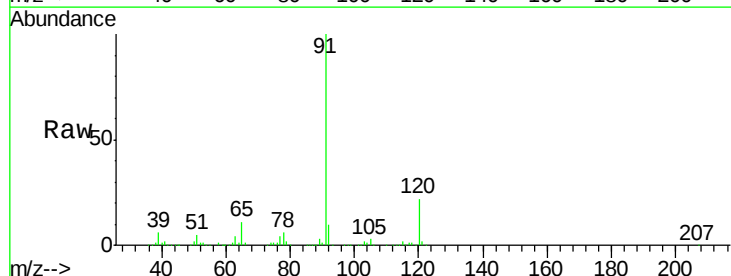
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054947.D

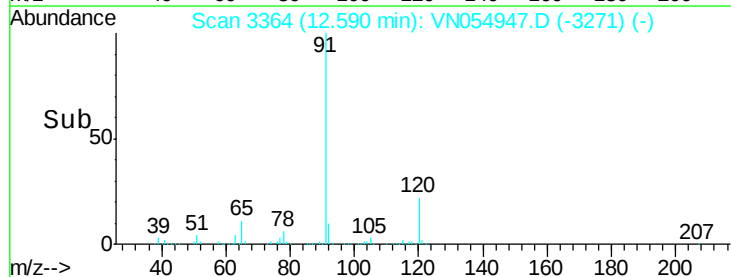
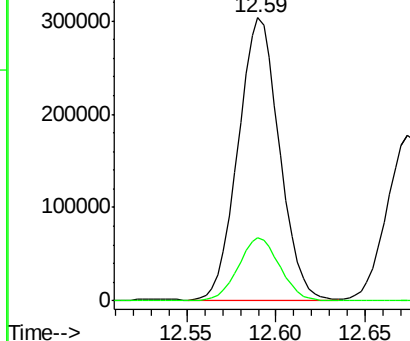
Acq: 4 Apr 2019 15:07

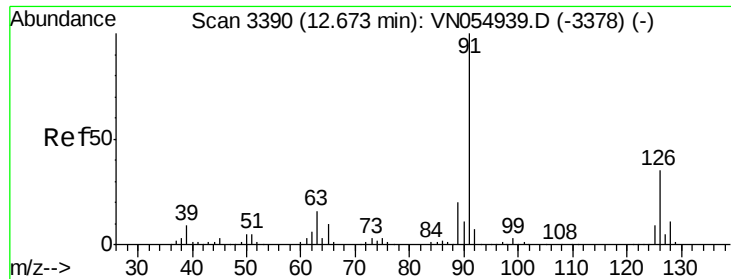
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.110 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

VN0404WBS01

Tgt Ion: 91 Resp: 299744

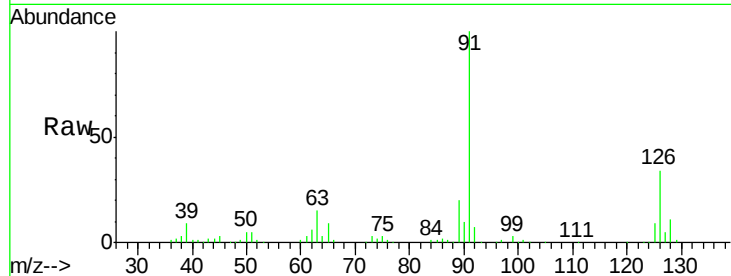
Ion Ratio Lower Upper

91 100

126 34.1 17.4 52.2

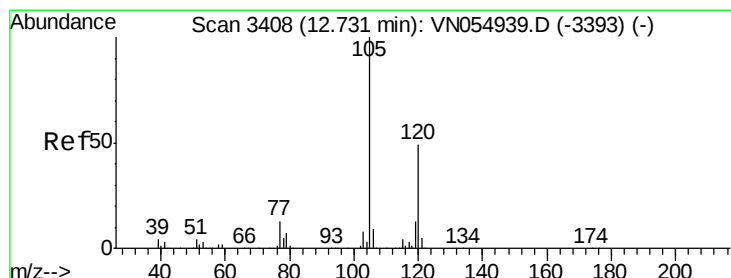
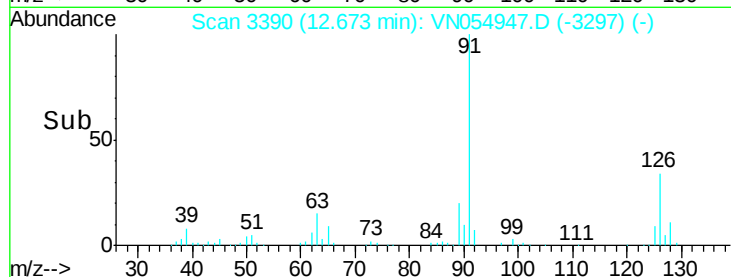
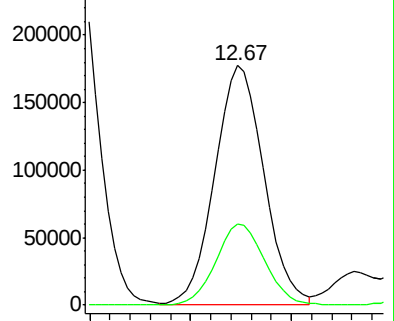
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN054947.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN054947.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.195 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054947.D

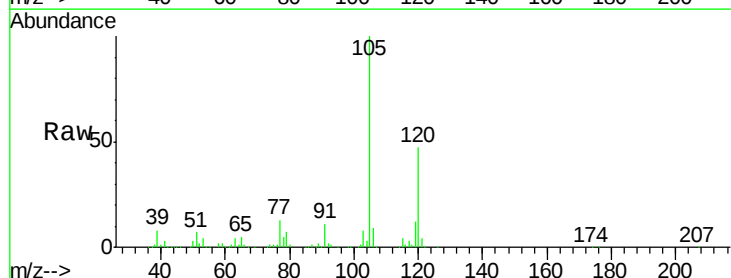
Acq: 4 Apr 2019 15:07

Tgt Ion: 105 Resp: 362057

Ion Ratio Lower Upper

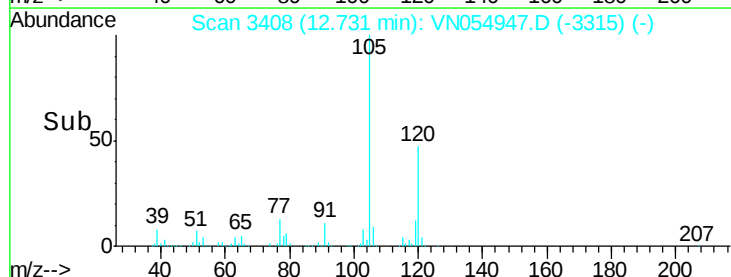
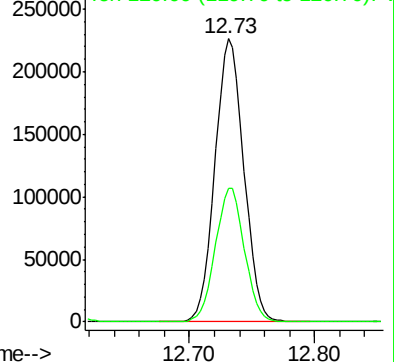
105 100

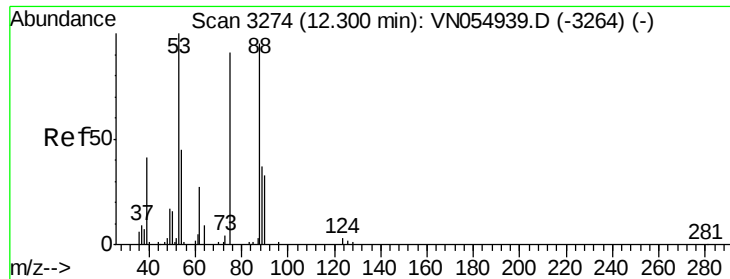
120 47.7 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): VN054947.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN054947.D (-3315) (-)





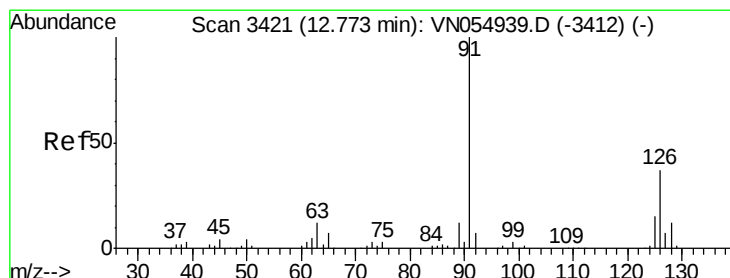
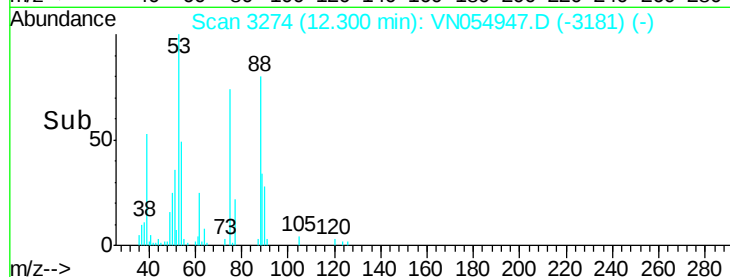
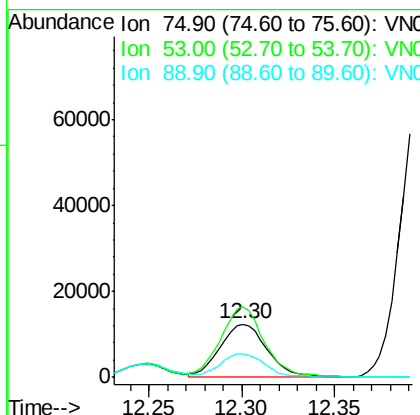
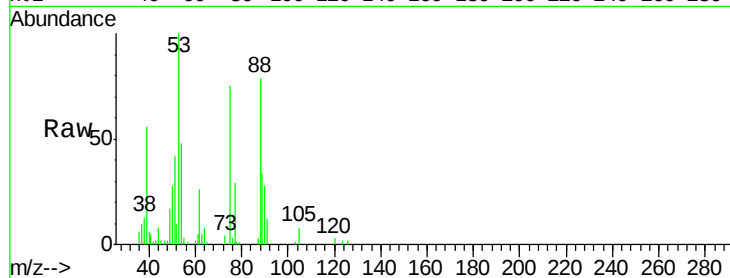
#81
trans-1,4-Dichloro-2-butene
Concen: 19.532 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	125.5	92.8	139.2
89	42.9	36.7	55.1

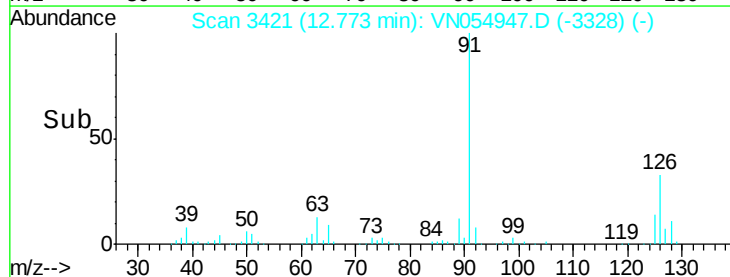
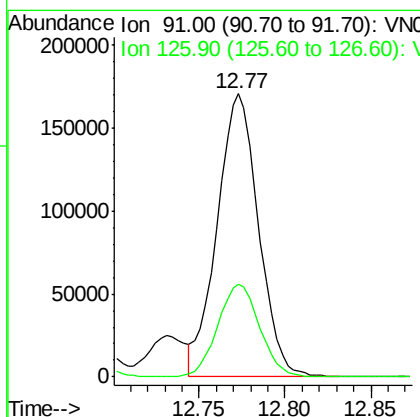
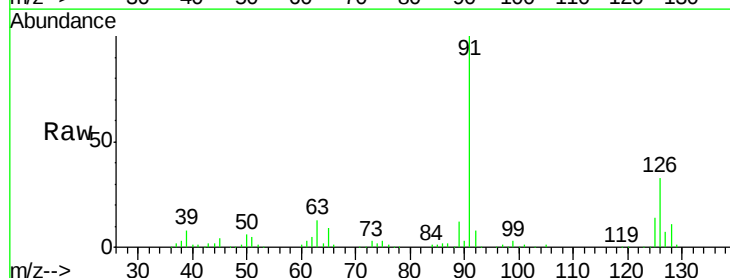
Manual Integrations
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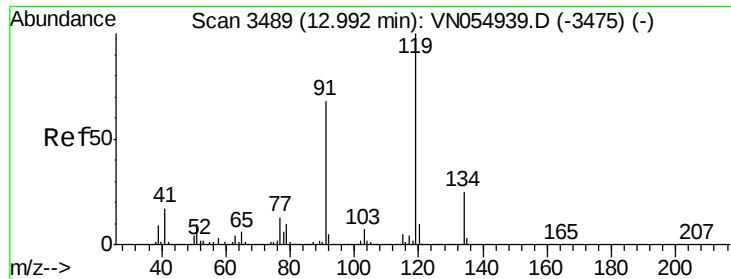
MMDadoda
4/8/2019 1:43:33 PM



#82
4-Chlorotoluene
Concen: 20.270 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.9	50.7





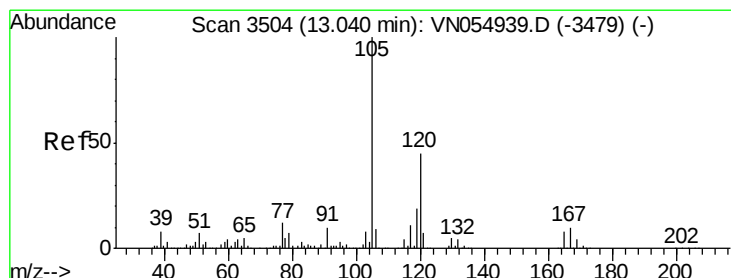
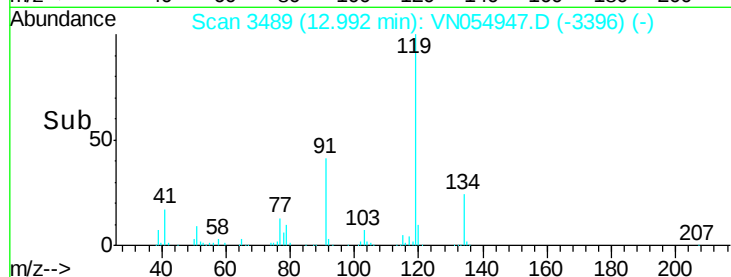
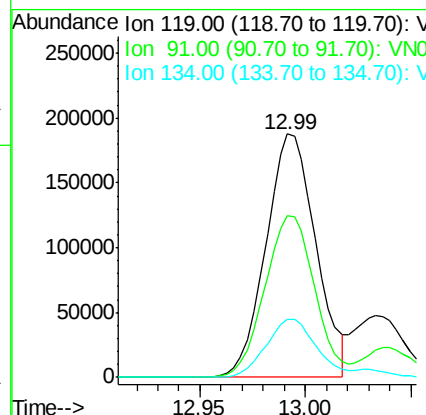
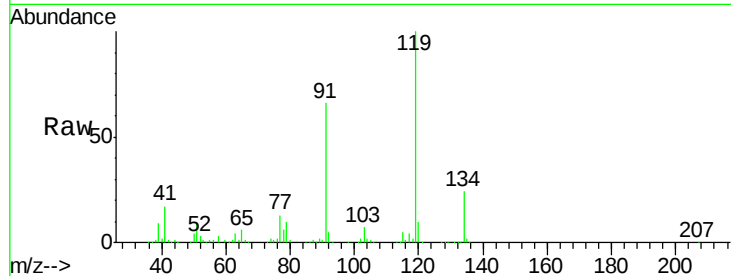
#83
 tert-Butylbenzene
 Concen: 20.250 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	308825		
91	66.4	33.5	100.5	
134	24.4	12.4	37.0	

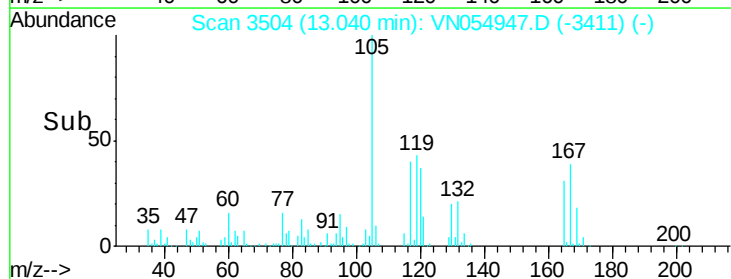
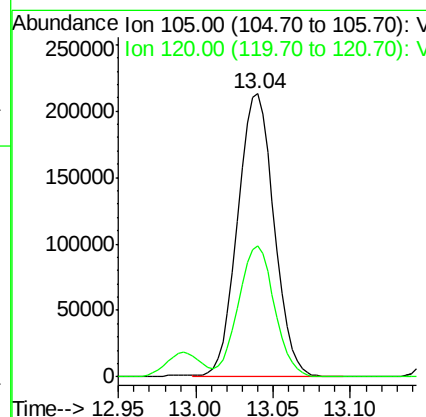
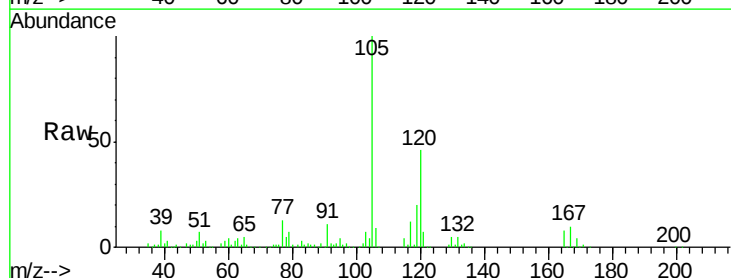
Manual Integrations
 APPROVED

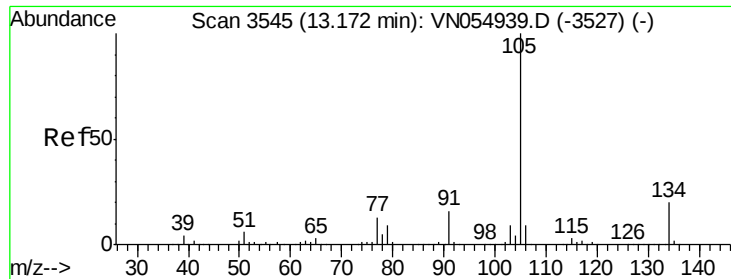
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 4/8/2019 1:43:33 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.021 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	347284		
120	46.1	22.4	67.3	





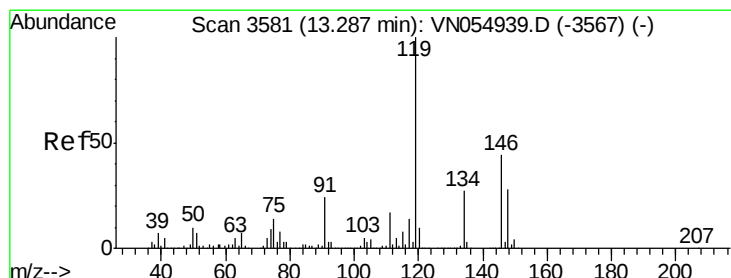
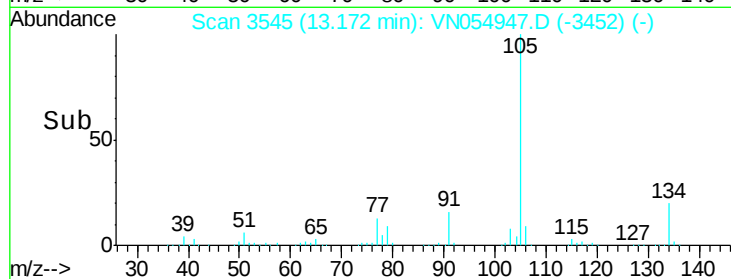
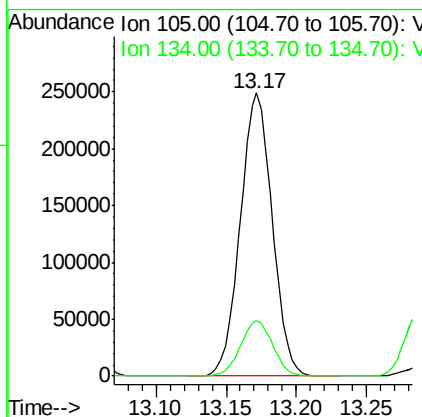
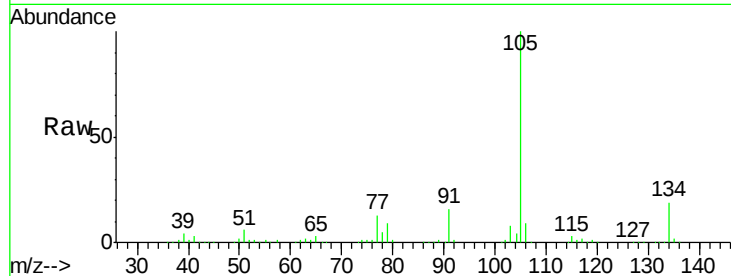
#85
 sec-Butylbenzene
 Concen: 20.037 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.5

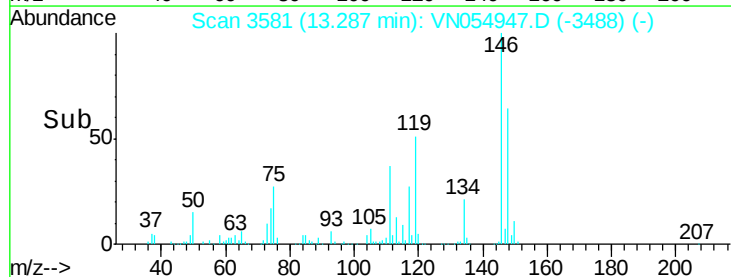
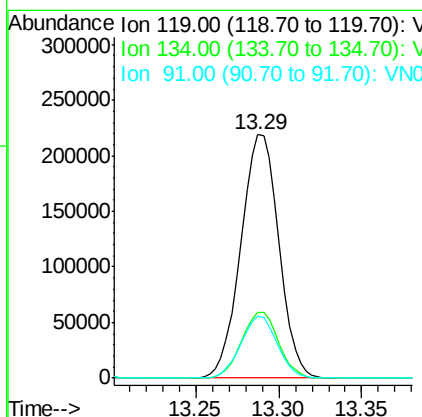
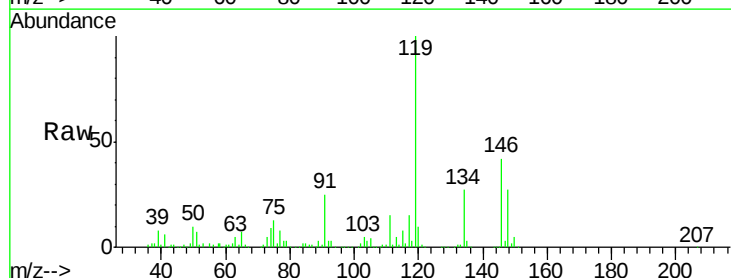
Manual Integrations
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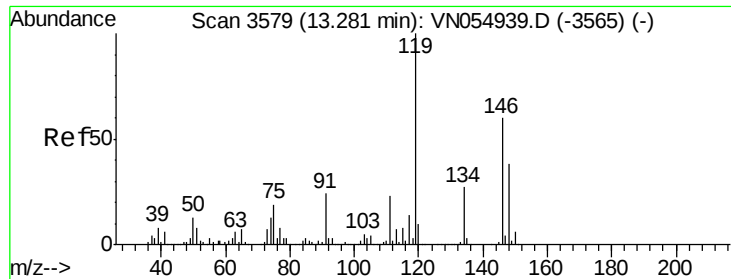
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 4/8/2019 1:43:33 PM



#86
 p-Isopropyltoluene
 Concen: 20.464 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.5	40.5
91	24.5	11.9	35.7





#87

1,3-Dichlorobenzene

Concen: 19.691 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

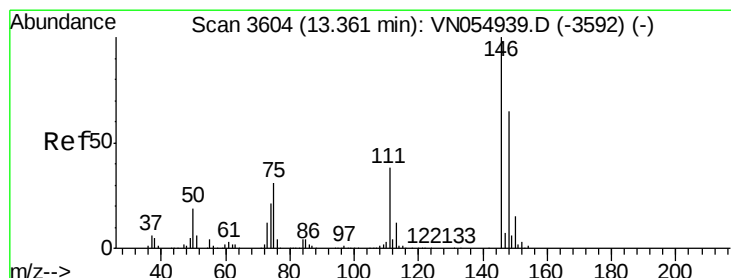
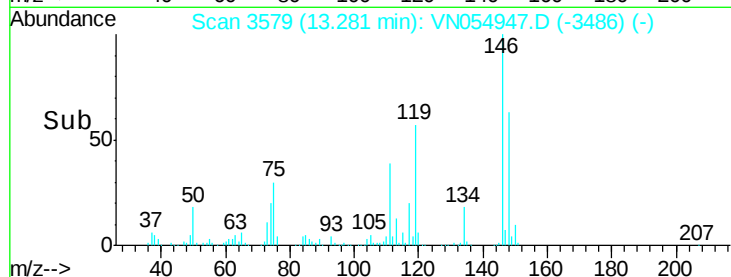
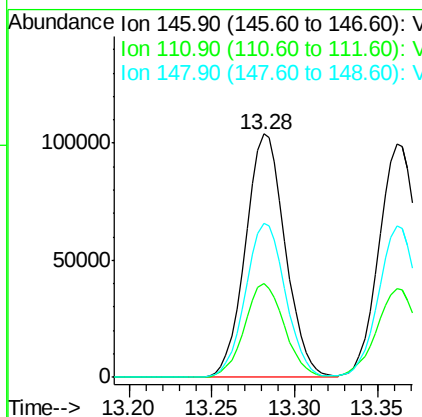
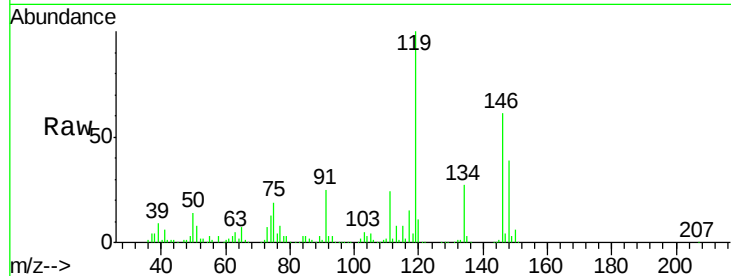
ClientSampled :

VN0404WBS01

Tgt Ion:	146	Resp:	173167
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.6	58.7
148	63.9	31.7	95.1

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.013 ug/l

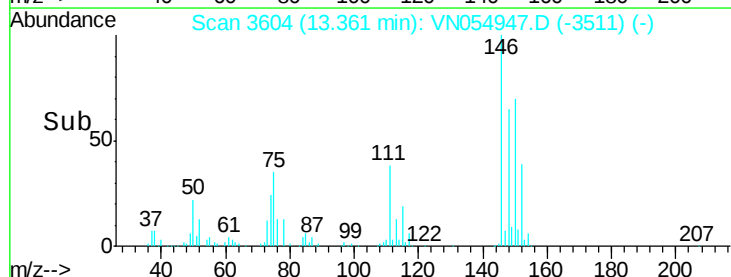
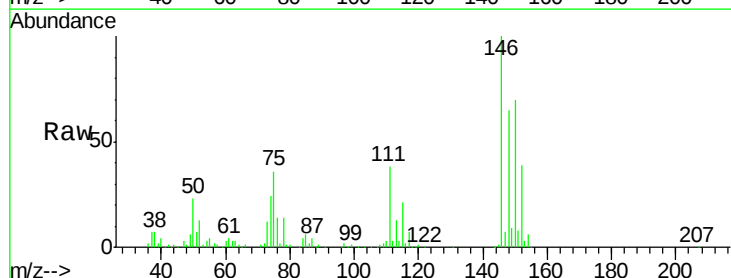
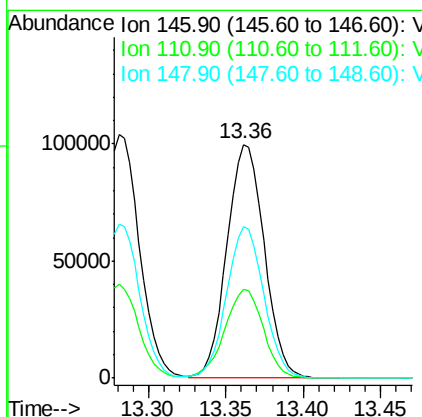
RT: 13.36 min Scan# 3604

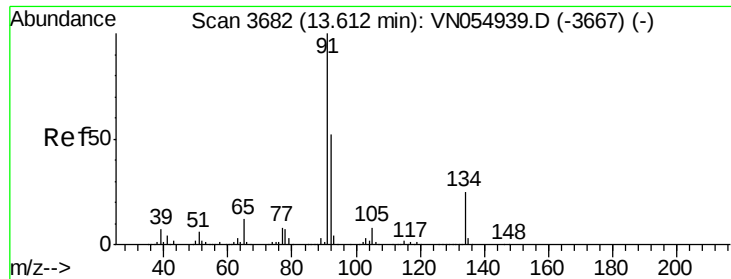
Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Tgt Ion:	146	Resp:	167546
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.2	57.6
148	64.6	31.9	95.7





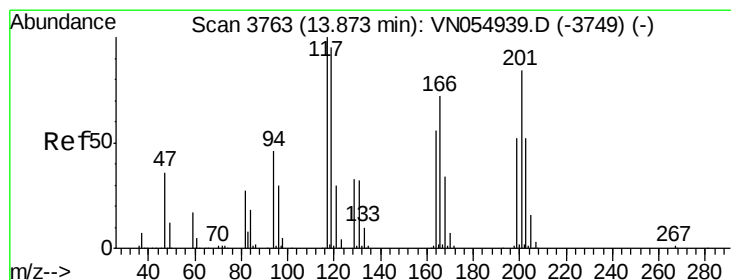
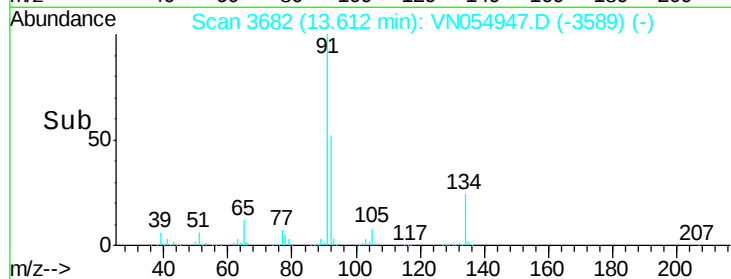
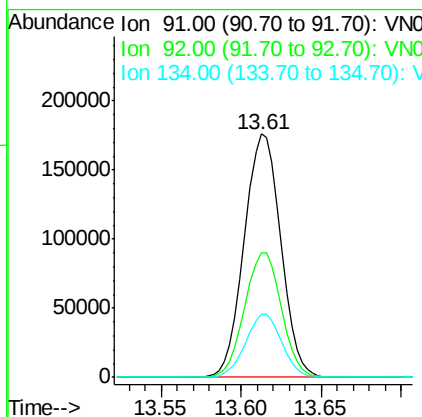
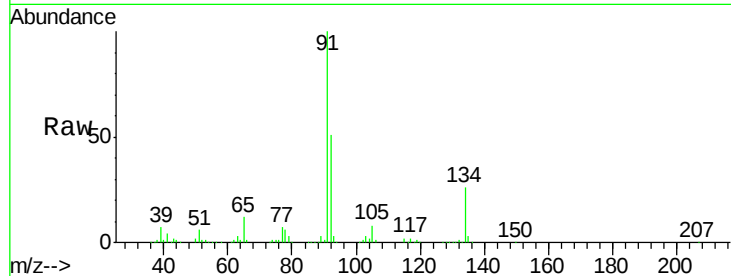
#89
n-Butylbenzene
Concen: 20.221 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.2
134	25.7	12.6	37.8

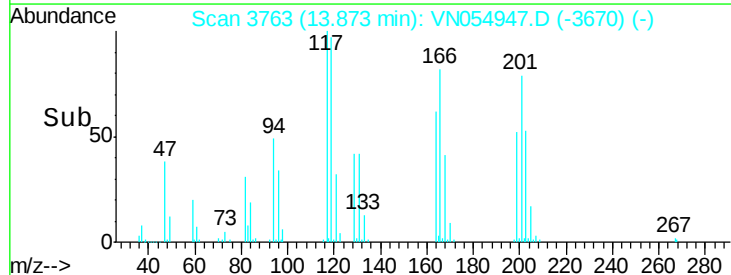
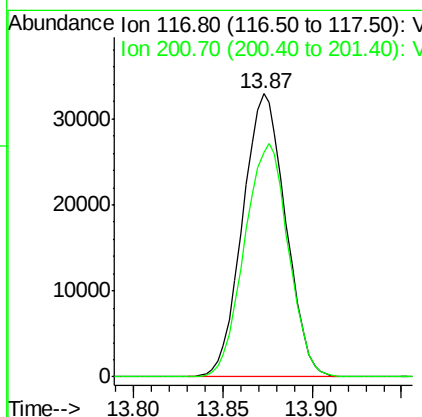
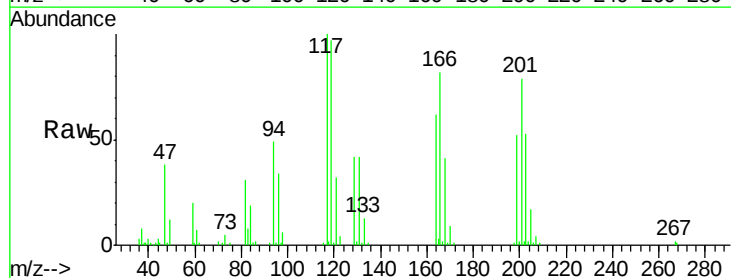
Manual Integrations
APPROVED

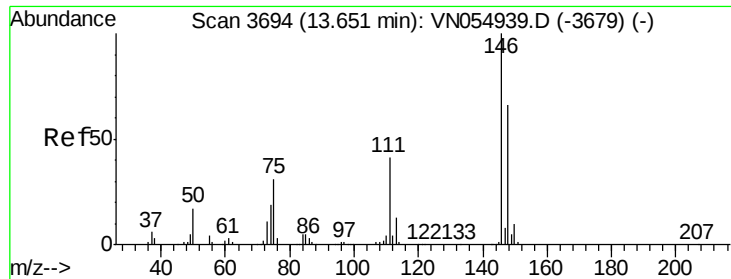
MMDadoda
4/8/2019 1:43:33 PM



#90
Hexachloroethane
Concen: 19.444 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	42.5	127.6





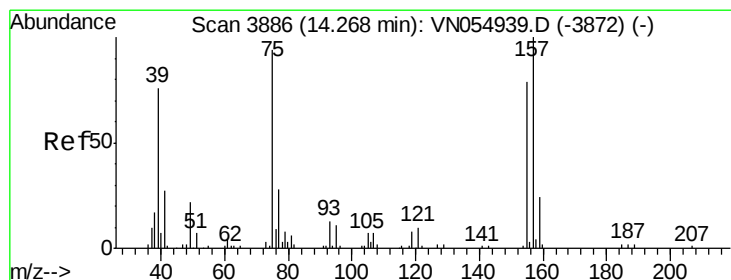
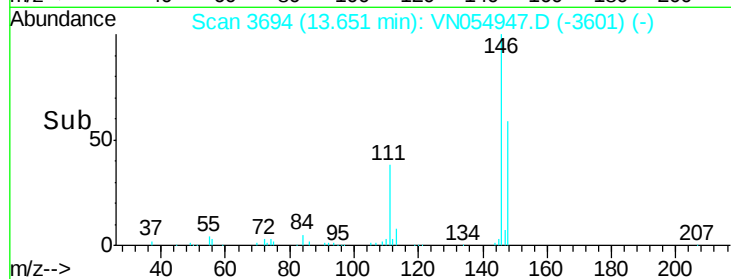
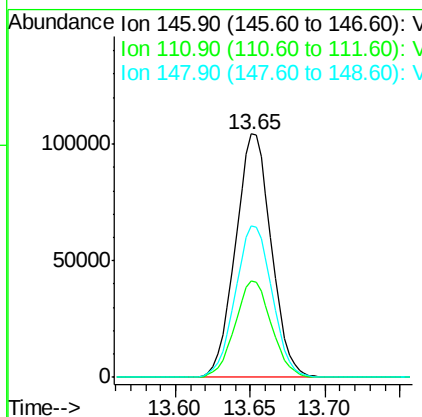
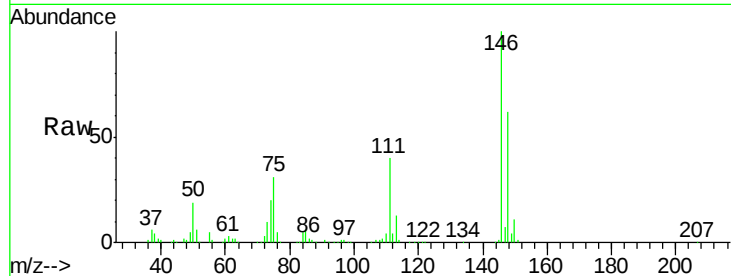
#91
 1,2-Dichlorobenzene
 Concen: 20.146 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	173946		
111	40.3	20.2	60.5	
148	63.9	32.1	96.5	

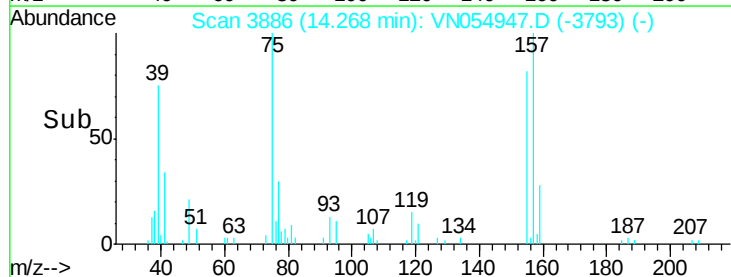
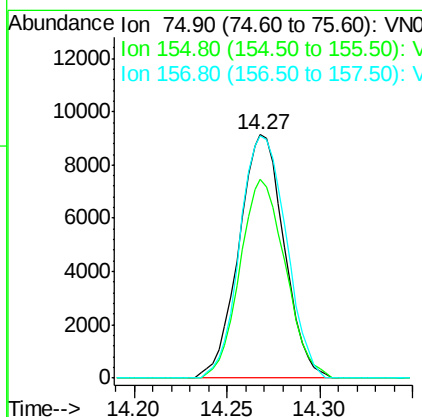
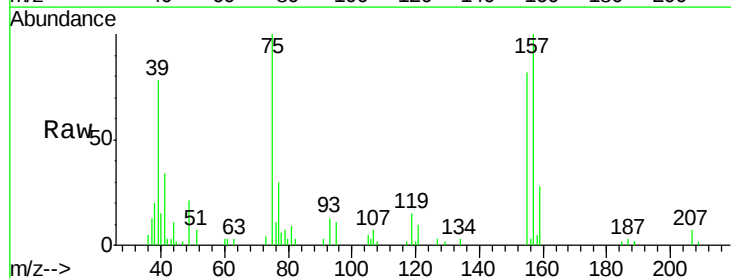
Manual Integrations
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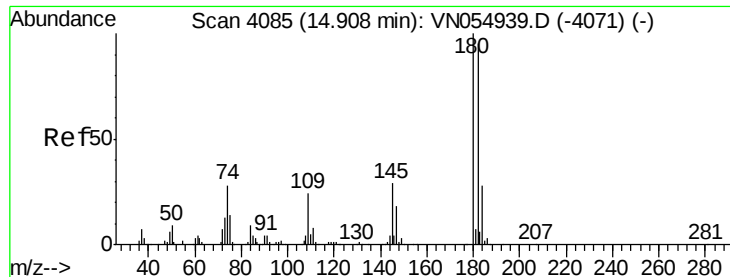
MMDadoda
 4/8/2019 1:43:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.703 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054947.D
 Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15470		
155	81.9	41.5	124.6	
157	101.8	54.4	163.2	





#93

1,2,4-Trichlorobenzene

Concen: 18.672 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Instrument :

MSVOA_N

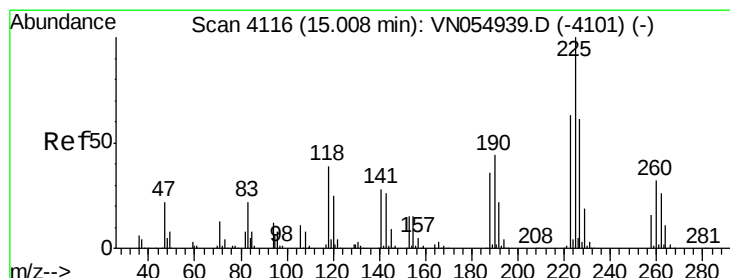
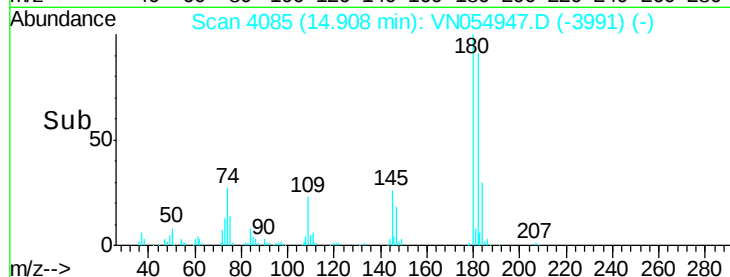
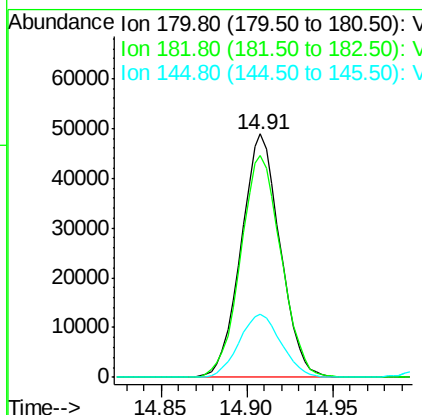
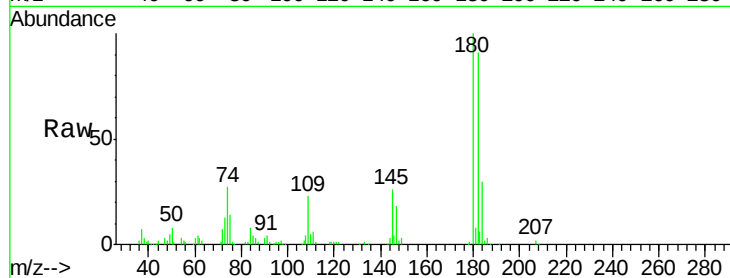
ClientSampleId :

VN0404WBS01

Tgt Ion:	180	Resp:	76917
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.5	142.6
145	28.0	14.6	43.8

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 19.438 ug/l

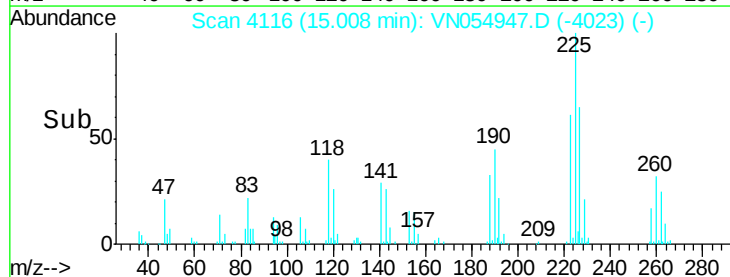
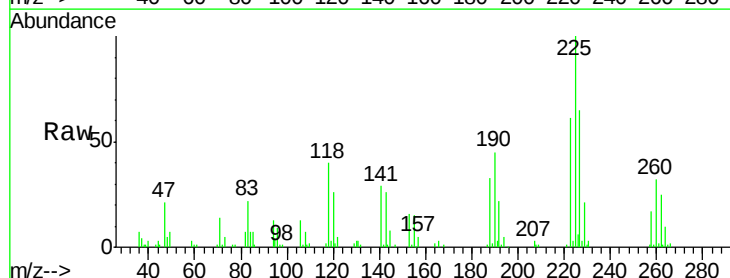
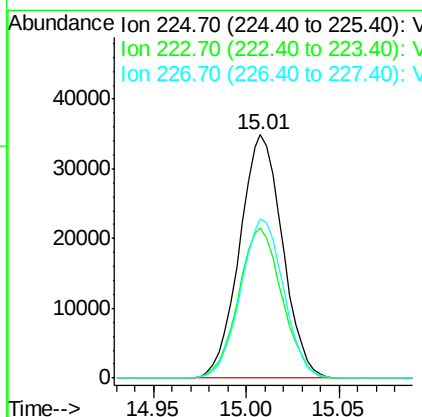
RT: 15.01 min Scan# 4116

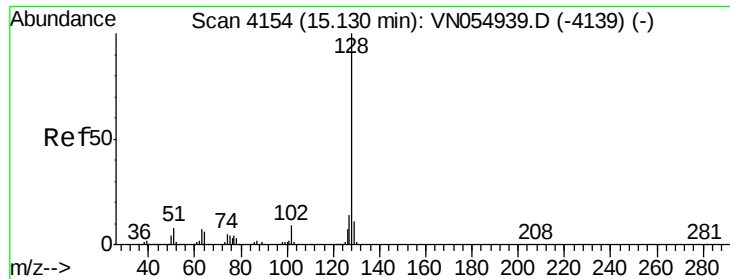
Delta R.T. 0.00 min

Lab File: VN054947.D

Acq: 4 Apr 2019 15:07

Tgt Ion:	225	Resp:	56148
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.1	93.5
227	65.6	30.9	92.5





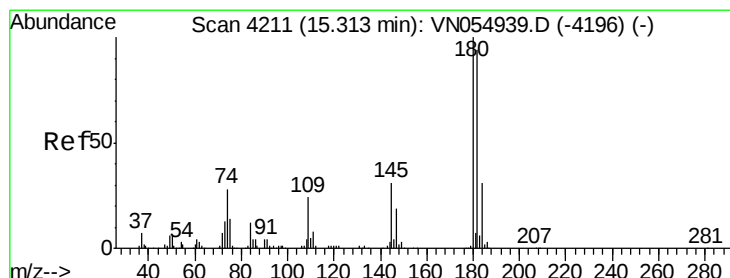
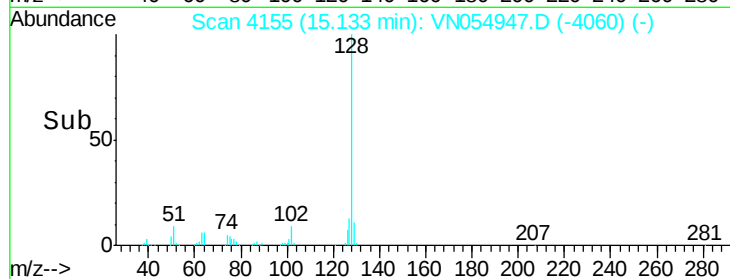
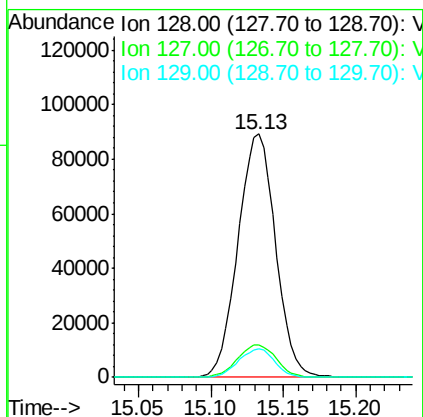
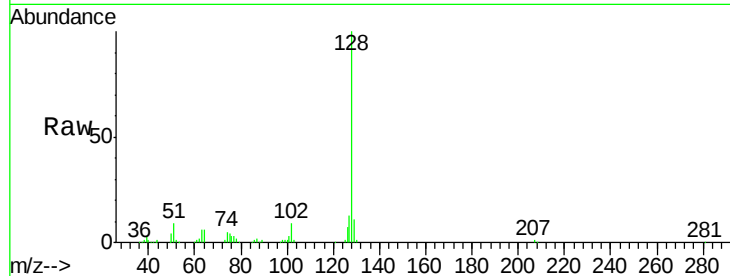
#95
Naphthalene
Concen: 18.367 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Instrument :
MSVOA_N
ClientSampleId :
VN0404WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	160828		
127	13.7	10.6	16.0	
129	11.3	8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.965 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054947.D
Acq: 4 Apr 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	79158		
182	92.8	47.5	142.5	
145	32.4	15.6	46.8	

