

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\
 Data File : VN054014.D
 Acq On : 28 Feb 2019 19:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/1/2019 4:10:30 PM

Quant Time: Mar 01 05:46:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	621791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1053545	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	927462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	427311	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	385488	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
35) Dibromofluoromethane	7.59	113	342590	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	10.09	98	1272236	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	426148	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	280221	48.968	ug/l	99
3) Chloromethane	2.06	50	399033	50.271	ug/l	98
4) Vinyl Chloride	2.19	62	397311	49.957	ug/l	99
5) Bromomethane	2.57	94	239917	45.550	ug/l	100
6) Chloroethane	2.71	64	240839	48.692	ug/l	100
7) Trichlorofluoromethane	3.02	101	494480	48.668	ug/l	100
8) Diethyl Ether	3.41	74	194410	51.072	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	312674	48.726	ug/l	94
10) Methyl Iodide	3.95	142	462048	54.798	ug/l	98
11) Tert butyl alcohol	4.77	59	108745	235.346	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	303104	49.381	ug/l	94
13) Acrolein	3.61	56	110578	231.144	ug/l	96
14) Allyl chloride	4.33	41	569821	52.930	ug/l	97
15) Acrylonitrile	4.99	53	631927	259.486	ug/l	99
16) Acetone	3.81	43	482873	250.282	ug/l	94
17) Carbon Disulfide	4.06	76	915304	46.224	ug/l	99
18) Methyl Acetate	4.32	43	273414	53.646	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	869564	52.810	ug/l	98
20) Methylene Chloride	4.55	84	356094	49.362	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	329676	49.625	ug/l	93
22) Diisopropyl ether	5.95	45	1140701	54.923	ug/l	97
23) Vinyl Acetate	5.90	43	4030308	269.751	ug/l	95
24) 1,1-Dichloroethane	5.85	63	653078	51.276	ug/l	98
25) 2-Butanone	6.83	43	720967	251.916	ug/l	94
26) 2,2-Dichloropropane	6.83	77	452329	49.988	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	381602	51.650	ug/l	94
28) Bromochloromethane	7.19	49	304547	52.240	ug/l	81
29) Tetrahydrofuran	7.21	42	485623	254.806	ug/l	91
30) Chloroform	7.37	83	635594	51.465	ug/l	99
31) Cyclohexane	7.65	56	607916	52.174	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	514932	50.568	ug/l	97
36) 1,1-Dichloropropene	7.79	75	483995	49.399	ug/l	97
37) Ethyl Acetate	6.93	43	328253	46.921	ug/l	96
38) Carbon Tetrachloride	7.77	117	455685	44.720	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	564326	47.788	ug/l	94
40) Benzene	8.04	78	1455004	48.341	ug/l	100
41) Methacrylonitrile	7.17	41	178995	39.735	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	456339	48.972	ug/l	98
43) Isopropyl Acetate	8.16	43	563512	47.707	ug/l #	90
44) Trichloroethene	8.83	130	380293	47.659	ug/l	94
45) 1,2-Dichloropropane	9.12	63	396506	48.828	ug/l	100
46) Dibromomethane	9.21	93	224679	47.658	ug/l	93
47) Bromodichloromethane	9.40	83	482305	48.545	ug/l	99
48) Methyl methacrylate	9.20	41	275340	50.678	ug/l	94
49) 1,4-Dioxane	9.20	88	67423	916.221	ug/l #	90
51) 4-Methyl-2-Pentanone	9.98	43	1550932	255.517	ug/l	95
52) Toluene	10.16	92	865396	48.829	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	490142	50.703	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	571448	50.144	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	317383	47.951	ug/l	99
56) Ethyl methacrylate	10.43	69	407620	47.086	ug/l	90
57) 1,3-Dichloropropane	10.71	76	550567	49.231	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	542307	140.523	ug/l	95
59) 2-Hexanone	10.75	43	972622	246.379	ug/l	94
60) Dibromochloromethane	10.90	129	346201	47.064	ug/l	99
61) 1,2-Dibromoethane	11.01	107	305948	47.917	ug/l	99
64) Tetrachloroethene	10.63	164	370659	47.196	ug/l	97
65) Chlorobenzene	11.43	112	927289	47.374	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	341494	48.408	ug/l	99
67) Ethyl Benzene	11.51	91	1618285	49.317	ug/l	99
68) m/p-Xylenes	11.62	106	1225755	98.973	ug/l	96
69) o-Xylene	11.95	106	590627	48.535	ug/l	96
70) Styrene	11.96	104	966505	51.637	ug/l	98
71) Bromoform	12.13	173	229683	46.800	ug/l #	99
73) Isopropylbenzene	12.25	105	1573821	47.314	ug/l	98
74) N-amyl acetate	12.07	43	446152	51.175	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	377085	45.333	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	317761m	46.356	ug/l	
77) Bromobenzene	12.53	156	405725	48.042	ug/l	92
78) n-propylbenzene	12.59	91	1857002	49.089	ug/l	97
79) 2-Chlorotoluene	12.68	91	1078707	47.468	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1322452	48.563	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	102587	47.301	ug/l	93
82) 4-Chlorotoluene	12.77	91	1092558	48.645	ug/l	97
83) tert-Butylbenzene	12.99	119	1166866	48.449	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1353199	49.775	ug/l	98
85) sec-Butylbenzene	13.17	105	1599901	48.636	ug/l	98
86) p-Isopropyltoluene	13.29	119	1361662	48.965	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	698641	47.821	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	681165	48.058	ug/l	99
89) n-Butylbenzene	13.62	91	1192819	50.896	ug/l	98
90) Hexachloroethane	13.87	117	246655	45.771	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	684127	48.375	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	56381	47.964	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	362874	46.370	ug/l	98
94) Hexachlorobutadiene	15.01	225	240966	47.169	ug/l	98
95) Naphthalene	15.13	128	750680	44.730	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	348795	46.413	ug/l	98

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

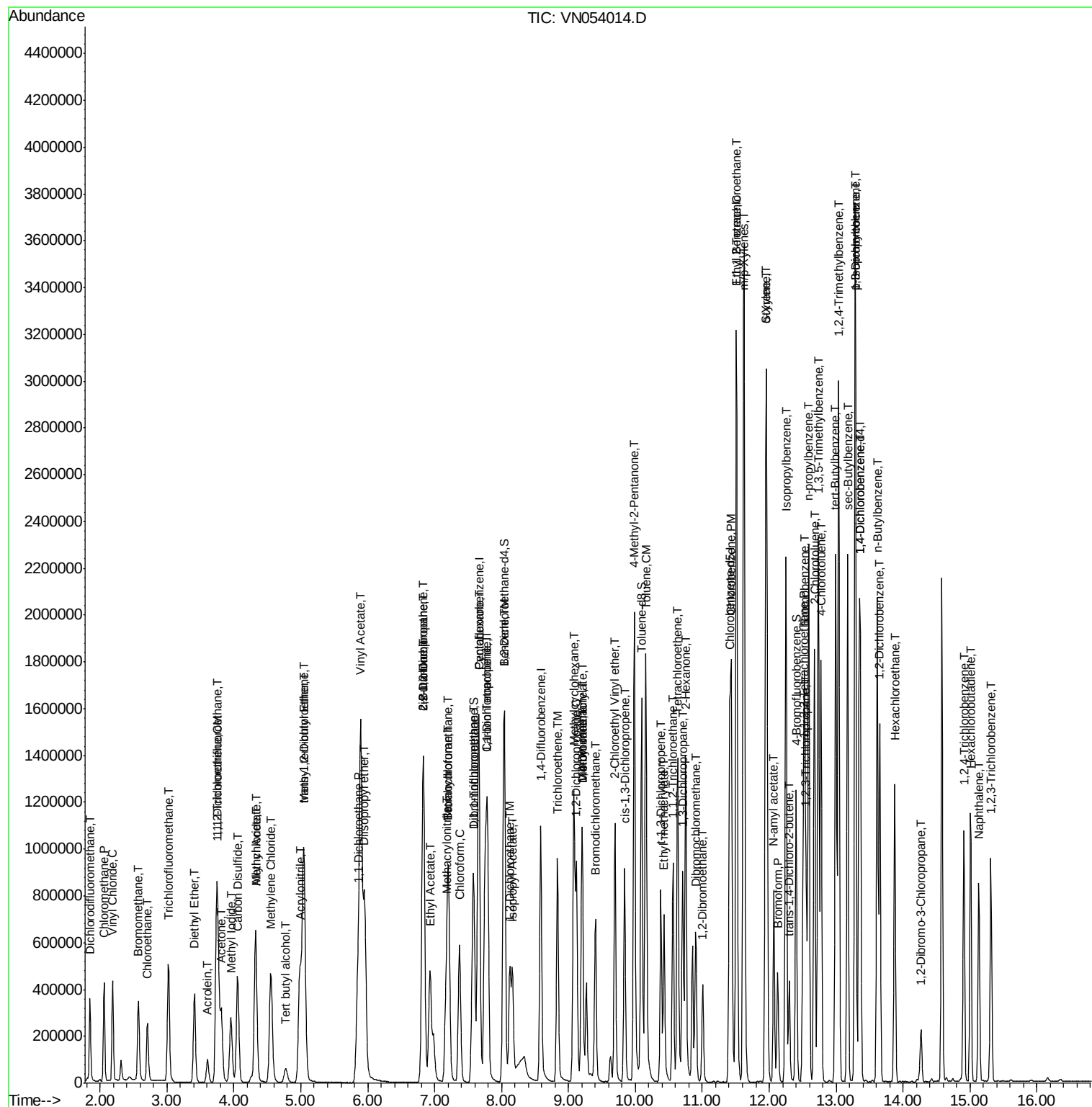
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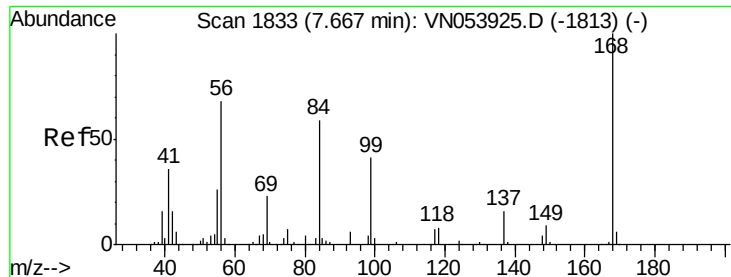
Instrument :
MSVOA_N
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 621791

Ion Ratio Lower Upper

168 100

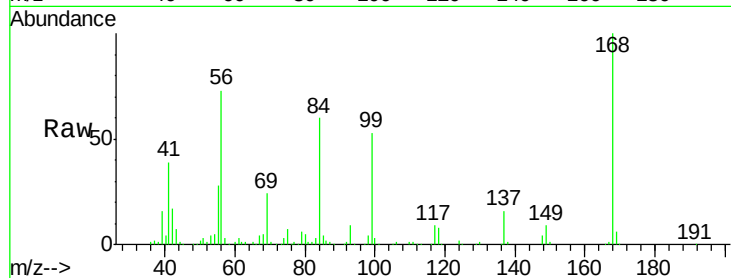
99 51.6 36.9 55.3

Manual Integrations

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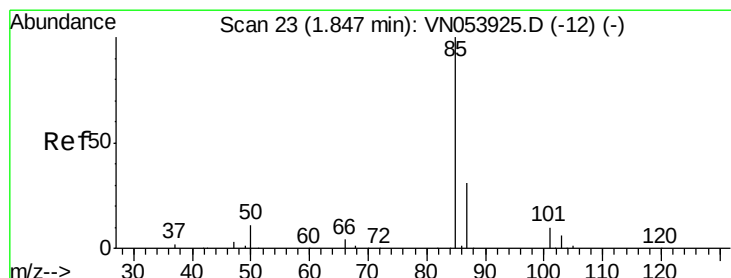
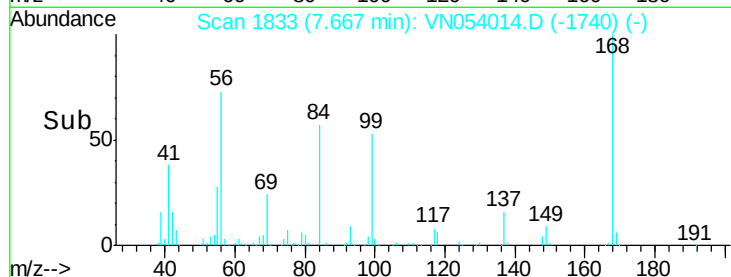
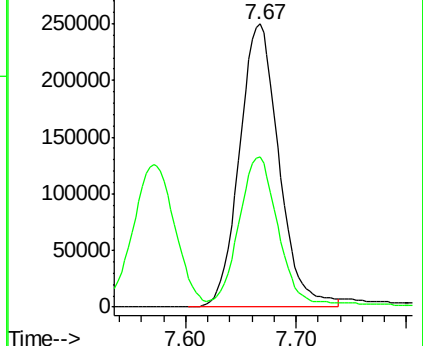
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.968 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054014.D

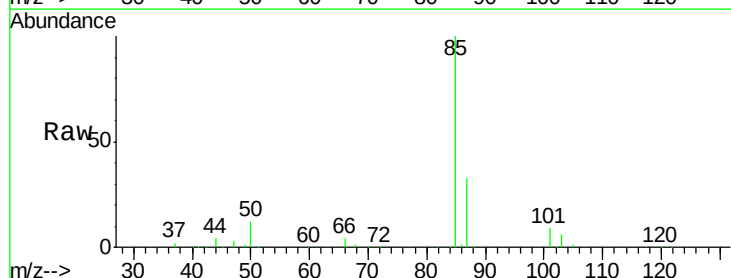
Acq: 28 Feb 2019 19:41

Tgt Ion: 85 Resp: 280221

Ion Ratio Lower Upper

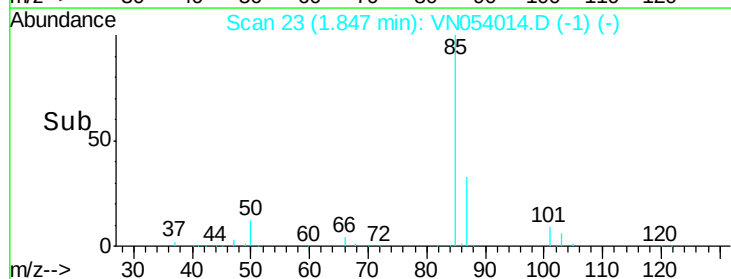
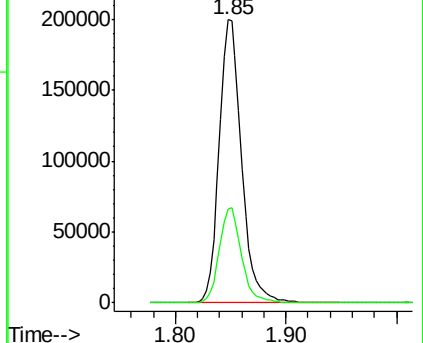
85 100

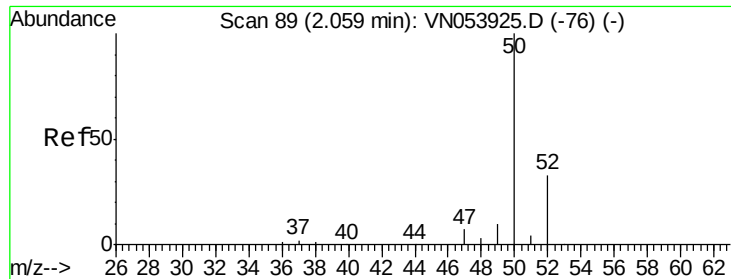
87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 50.271 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 399033

Ion Ratio Lower Upper

50 100

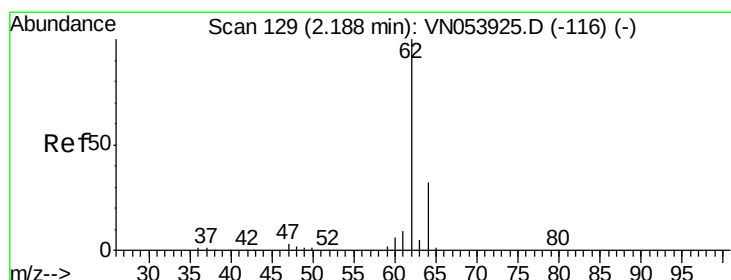
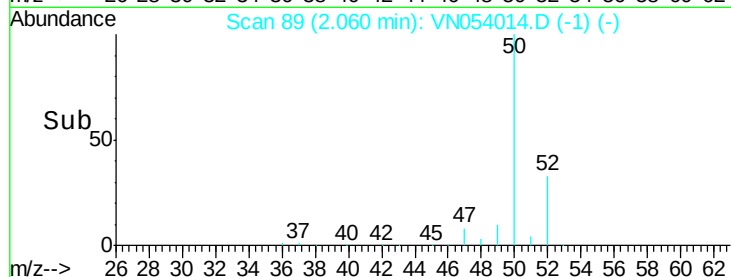
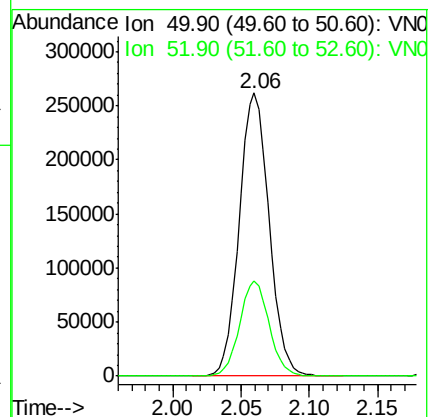
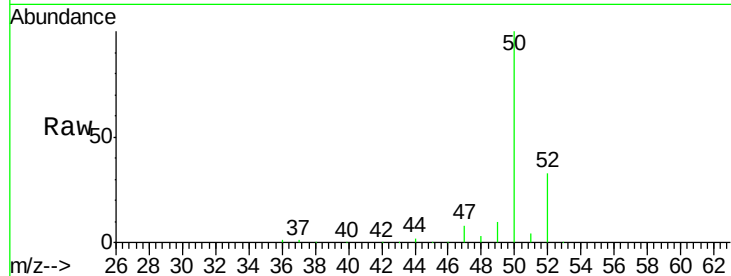
52 33.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.957 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054014.D

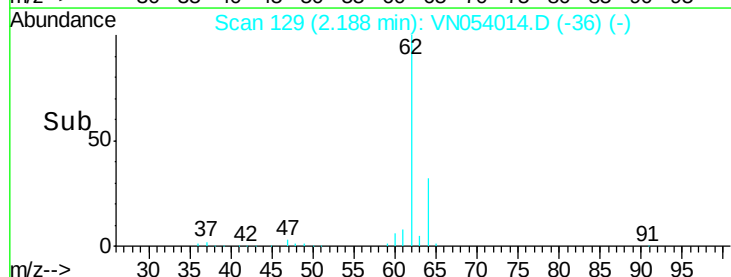
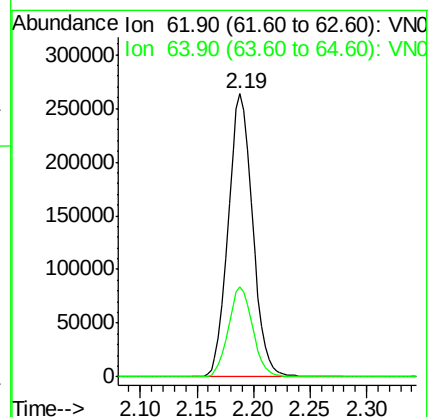
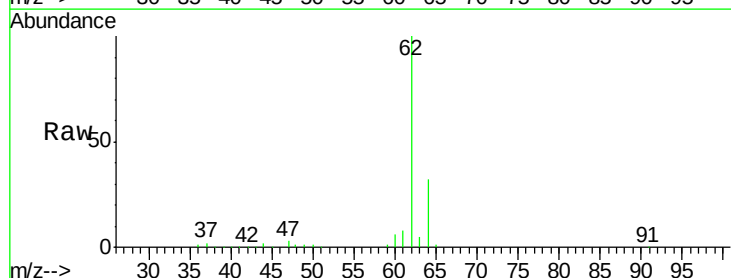
Acq: 28 Feb 2019 19:41

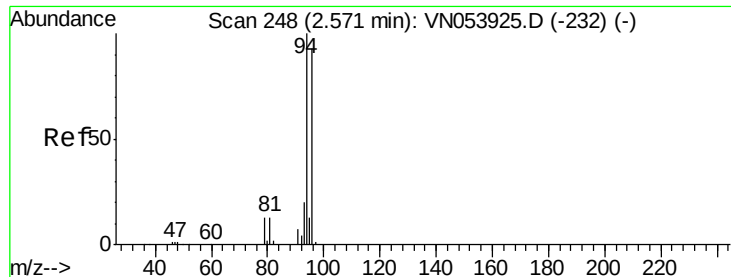
Tgt Ion: 62 Resp: 397311

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7





#5

Bromomethane

Concen: 45.550 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 239917

Ion Ratio Lower Upper

94 100

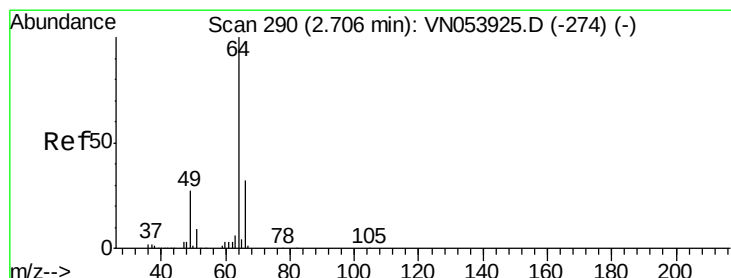
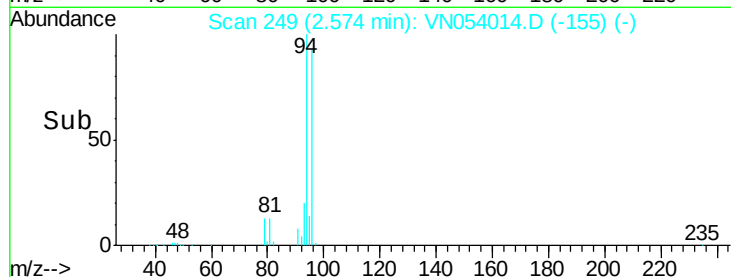
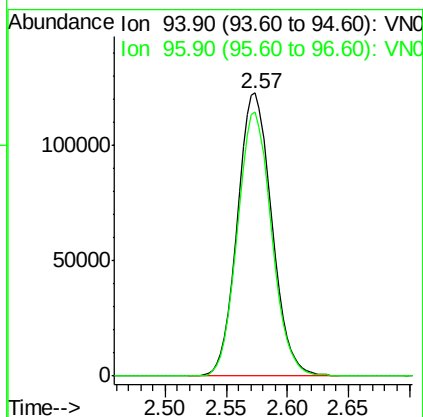
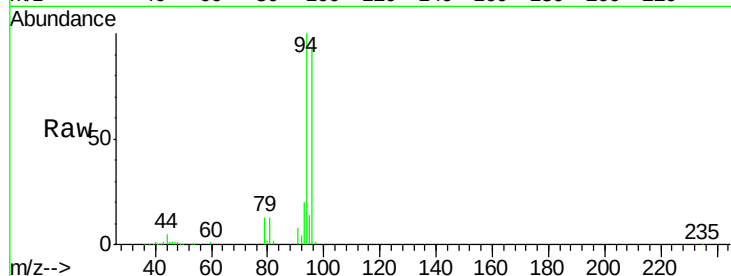
96 93.3 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 48.692 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054014.D

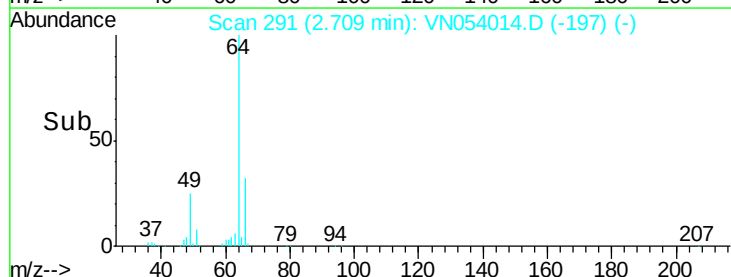
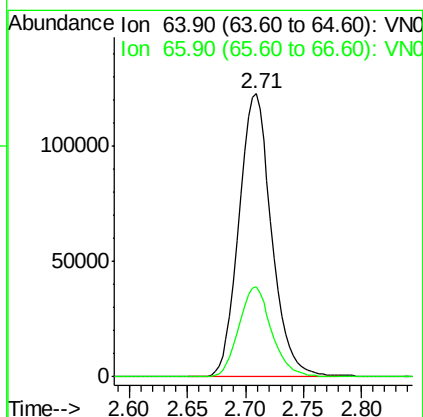
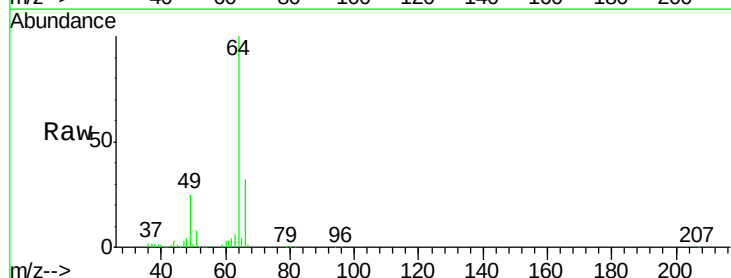
Acq: 28 Feb 2019 19:41

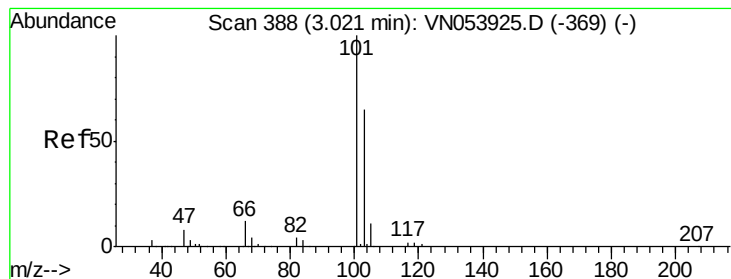
Tgt Ion: 64 Resp: 240839

Ion Ratio Lower Upper

64 100

66 31.6 25.5 38.3





#7

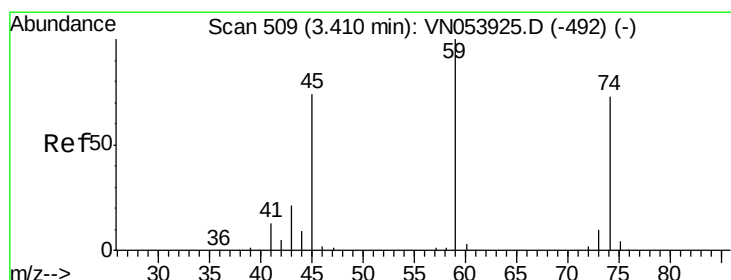
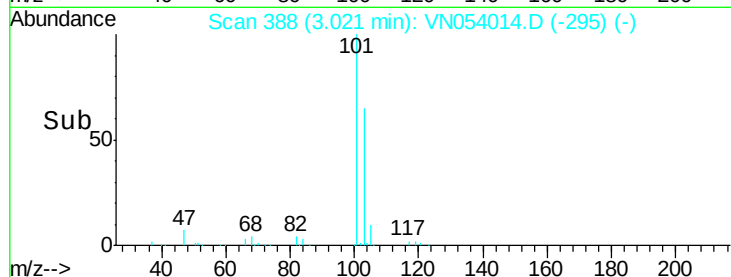
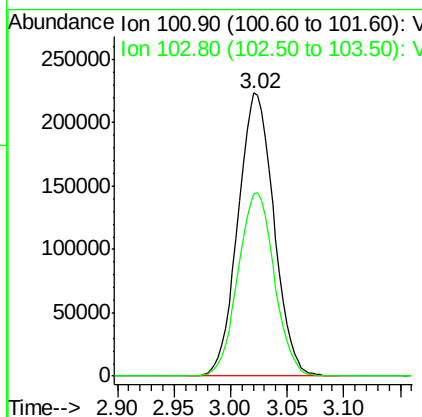
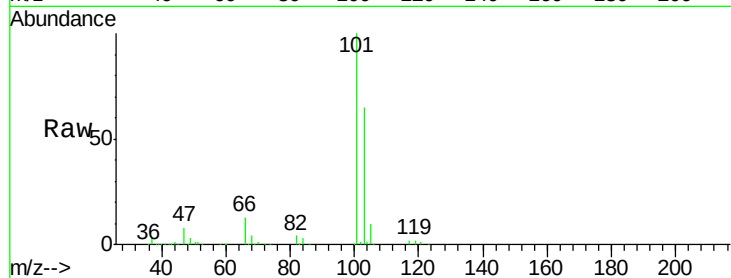
Trichlorofluoromethane
 Concen: 48.668 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN054014.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.9	77.9

Manual Integrations
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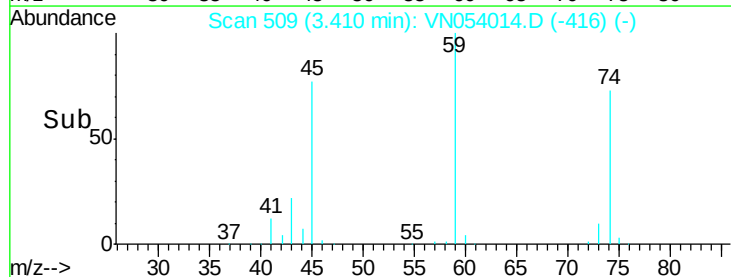
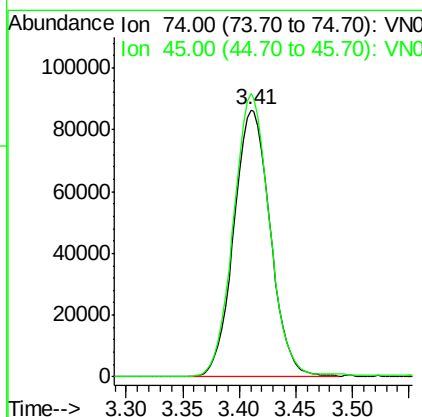
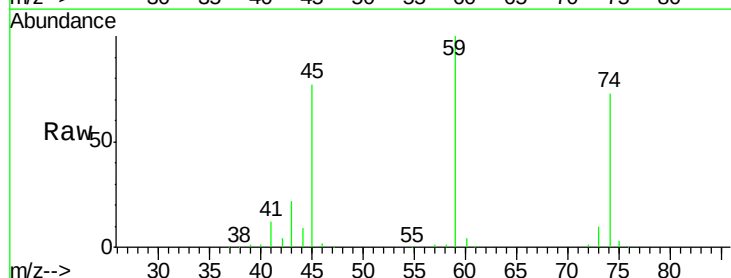
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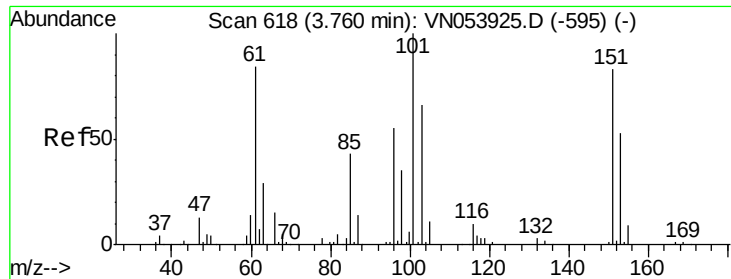


#8

Diethyl Ether
 Concen: 51.072 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN054014.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.8	46.9	140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.726 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

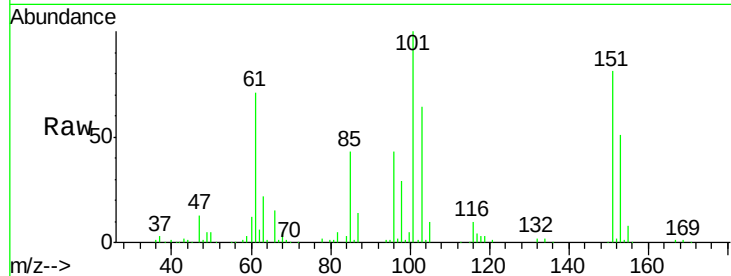
ClientSampleId :

VSTDCCC050EC

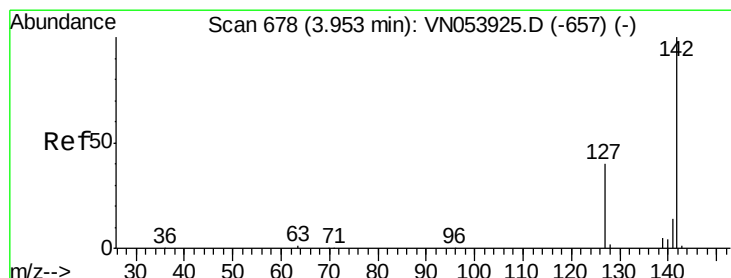
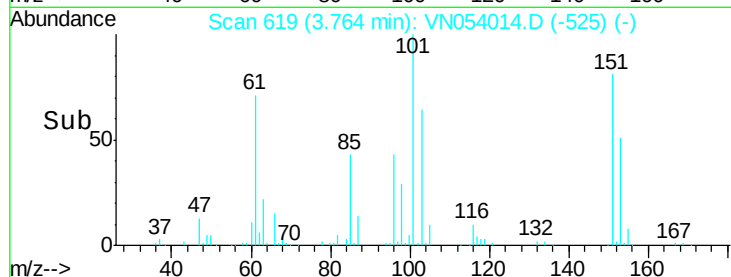
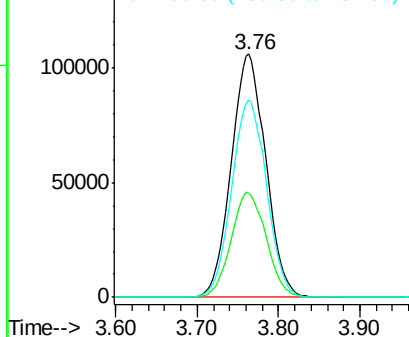
Tot Ion:	101	Resp:	312674
Ion Ratio	Lower	Upper	
101	100		
85	43.8	32.5	48.7
151	81.7	70.2	105.2

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



#10

Methyl Iodide

Concen: 54.798 ug/l

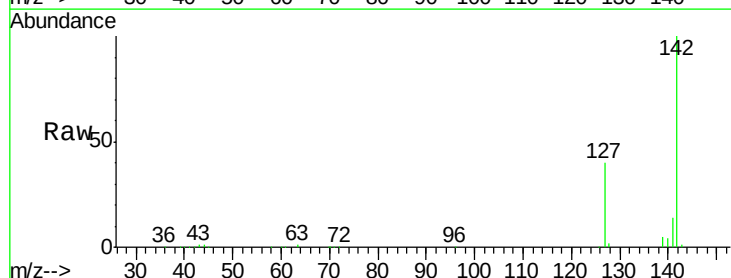
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

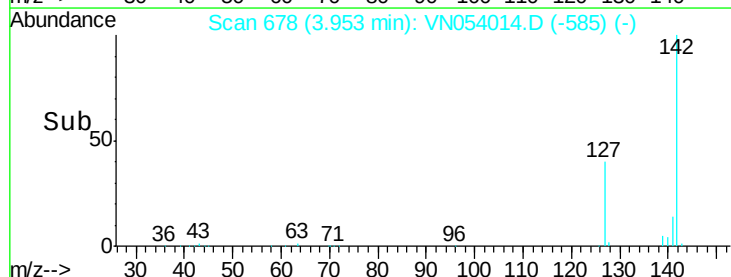
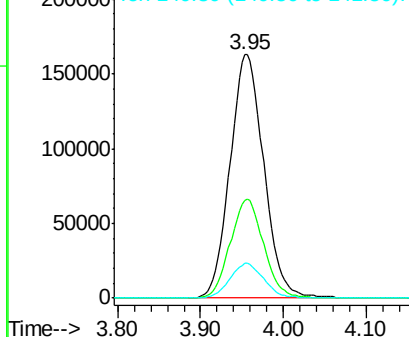
Lab File: VN054014.D

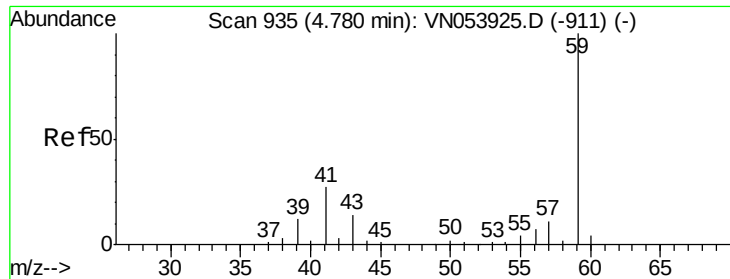
Acq: 28 Feb 2019 19:41

Tgt Ion:	142	Resp:	462048
Ion Ratio	Lower	Upper	
142	100		
127	40.2	31.0	46.4
141	14.2	11.3	16.9



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





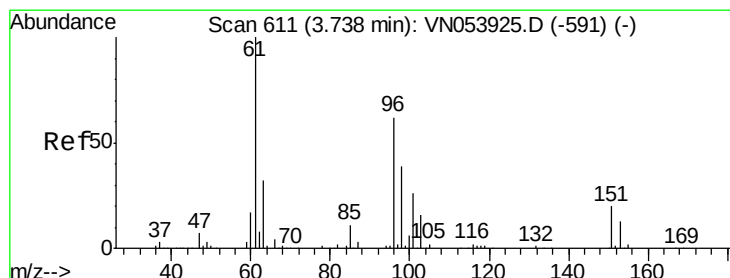
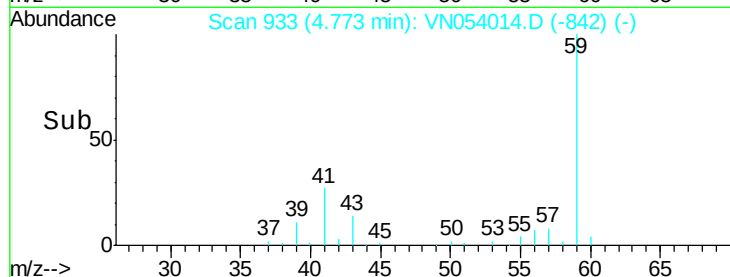
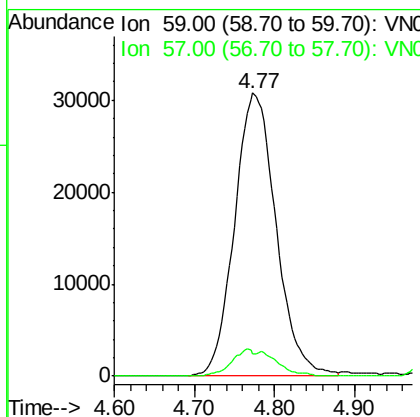
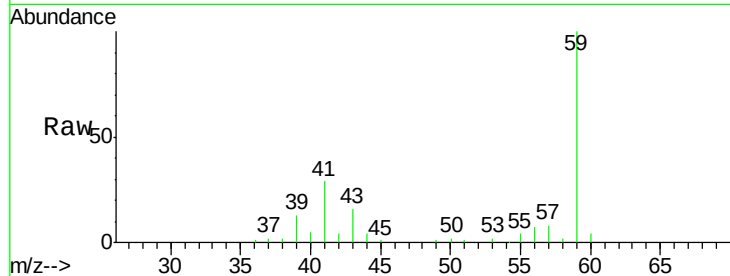
#11
Tert butyl alcohol
Concen: 235.346 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.01 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100			
57	5.3		8.1	12.1#

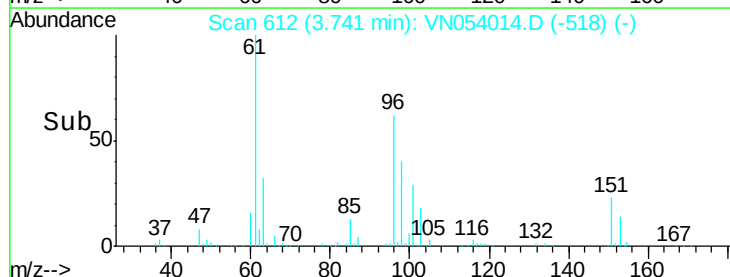
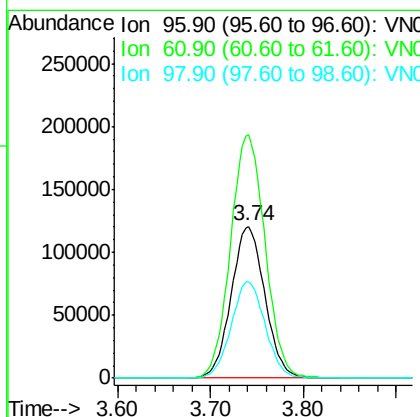
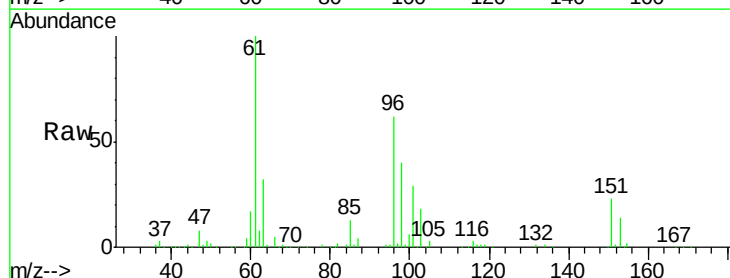
Manual Integrations
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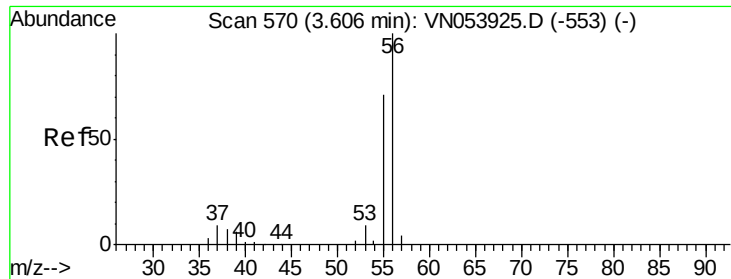
MMDadoda
3/1/2019 4:10:30 PM



#12
1,1-Dichloroethene
Concen: 49.381 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	160.2		121.0	181.4
98	63.7		52.2	78.2





#13

Acrolein

Concen: 231.144 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 110578

Ion Ratio Lower Upper

56 100

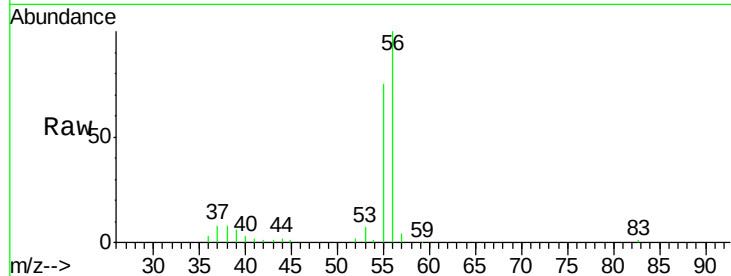
55 73.6 56.3 84.5

Manual Integrations

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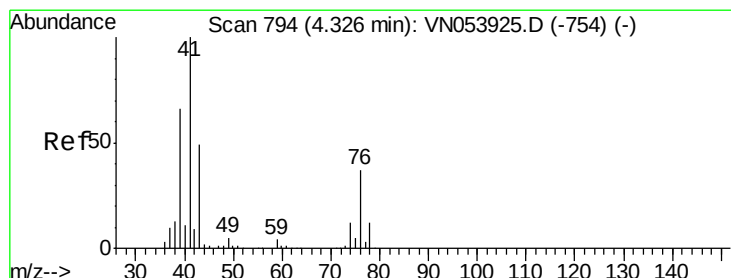
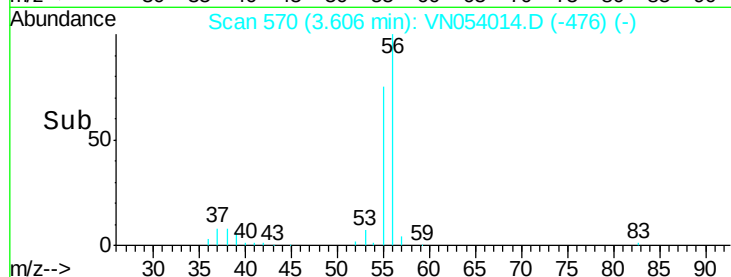


Abundance Ion 56.00 (55.70 to 56.70): VN053925.D (-553) (-)

Ion 55.00 (54.70 to 55.70): VN053925.D (-553) (-)

3.61

Time-->



#14

Allyl chloride

Concen: 52.930 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

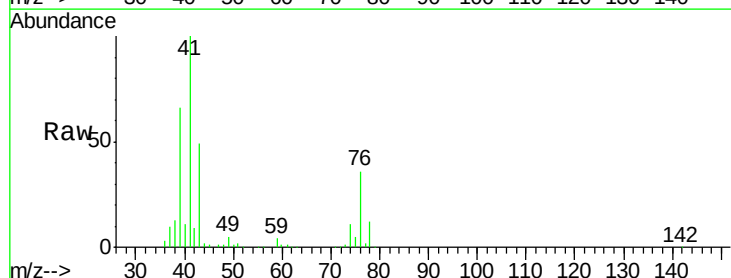
Tgt Ion: 41 Resp: 569821

Ion Ratio Lower Upper

41 100

39 60.7 48.8 73.2

76 33.5 30.9 46.3



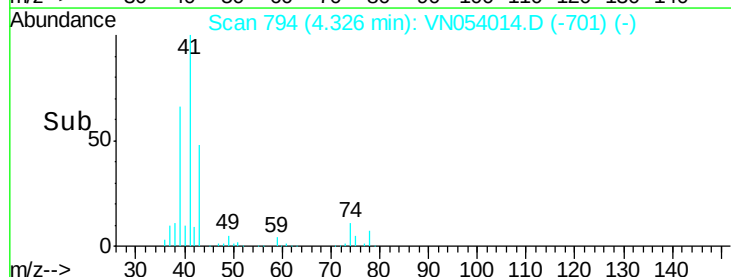
Abundance Ion 41.00 (40.70 to 41.70): VN053925.D (-754) (-)

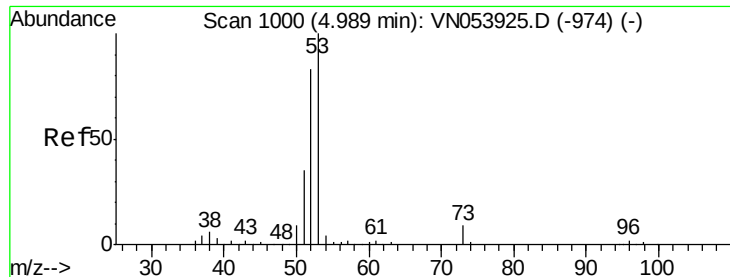
Ion 39.00 (38.70 to 39.70): VN053925.D (-754) (-)

Ion 75.90 (75.60 to 76.60): VN053925.D (-754) (-)

4.33

Time-->





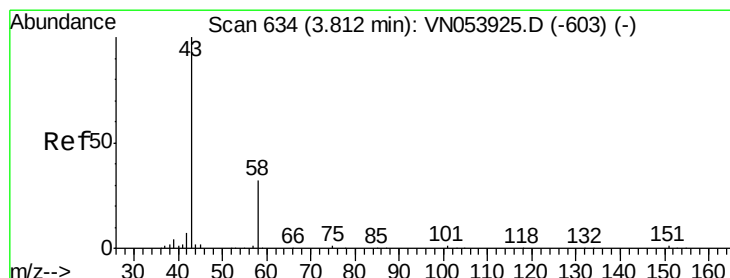
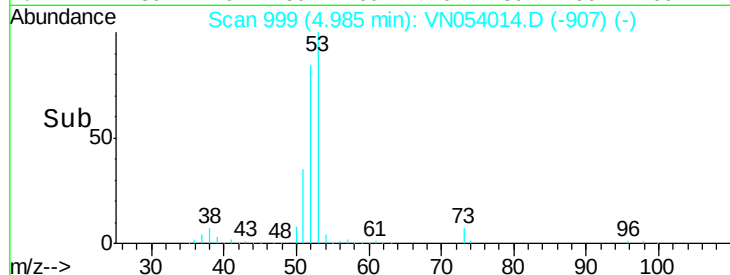
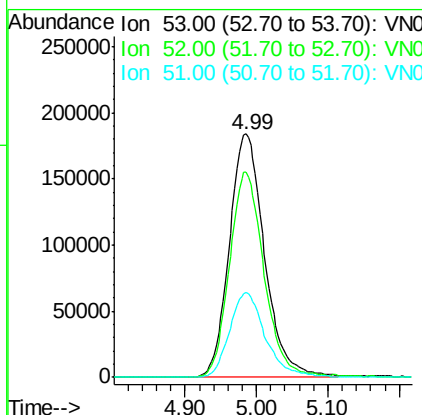
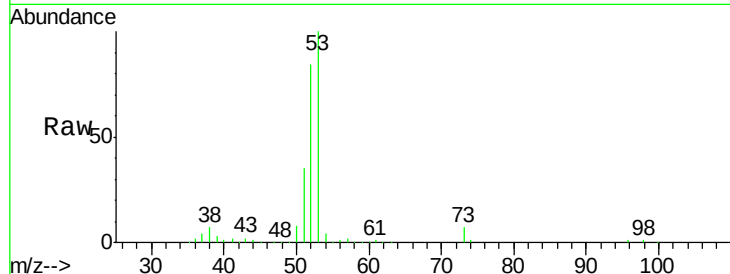
#15
 Acrylonitrile
 Concen: 259.486 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.1	97.7
51	35.5	28.2	42.4

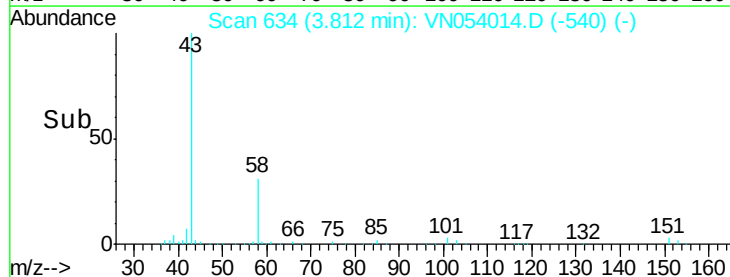
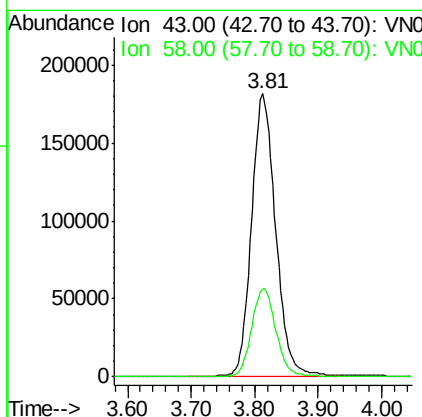
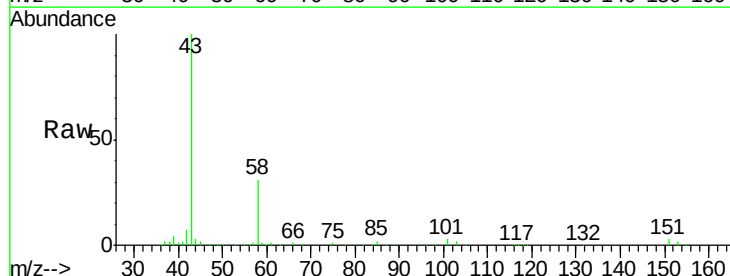
Manual Integrations
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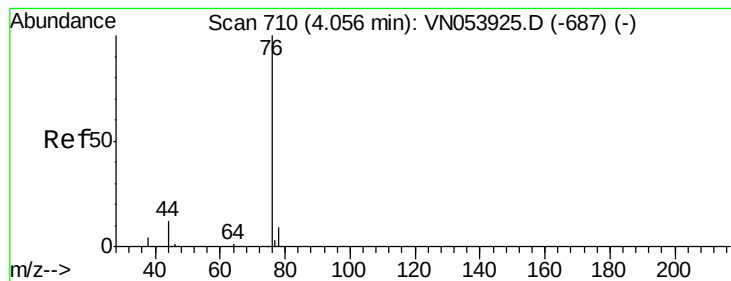
MMDadoda
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#16
 Acetone
 Concen: 250.282 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.1	27.6	41.4





#17

Carbon Disulfide

Concen: 46.224 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 915304

Ion Ratio Lower Upper

76 100

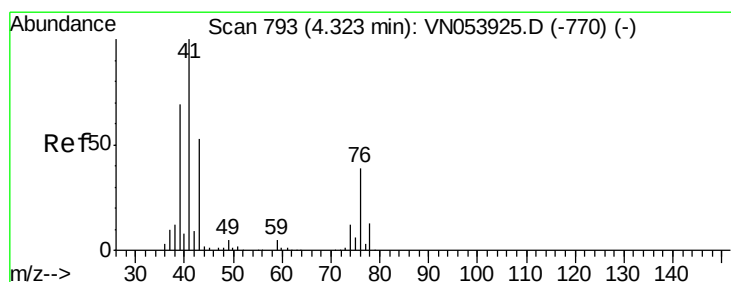
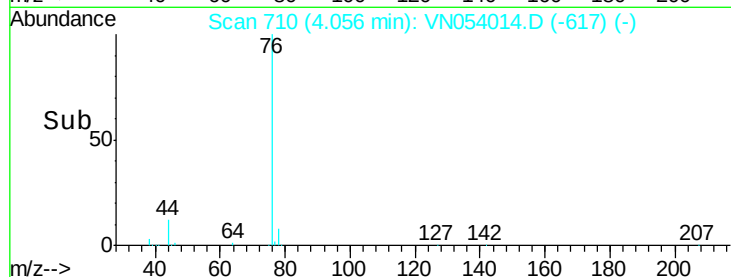
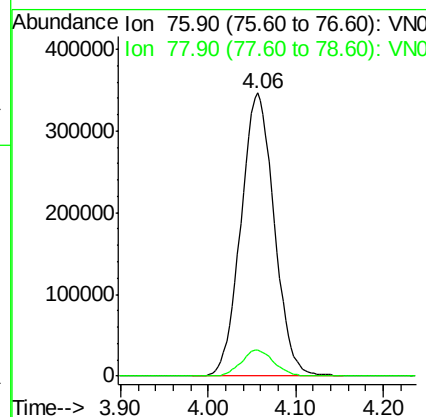
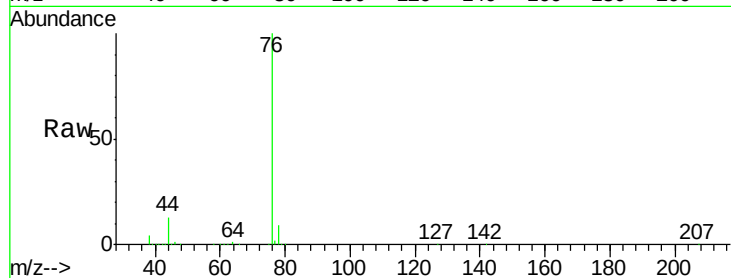
78 9.1 7.5 11.3

Manual Integrations

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#18

Methyl Acetate

Concen: 53.646 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054014.D

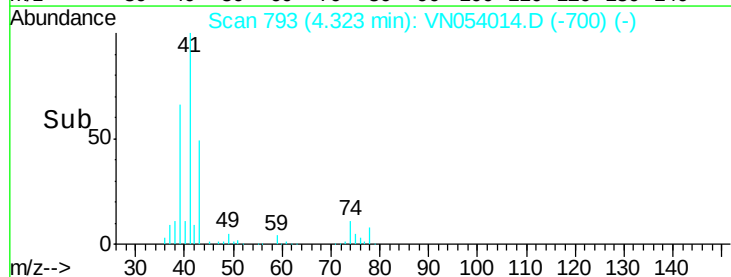
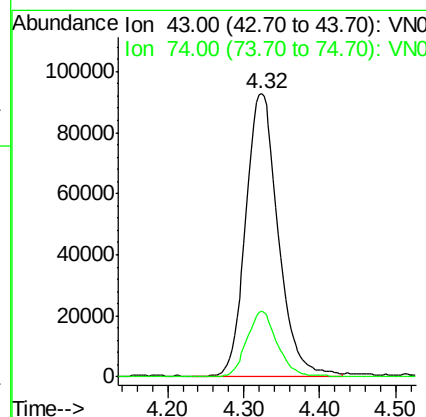
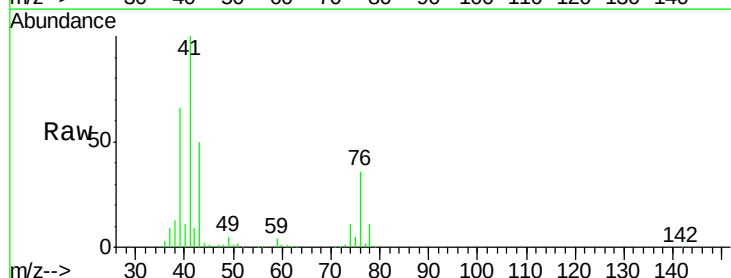
Acq: 28 Feb 2019 19:41

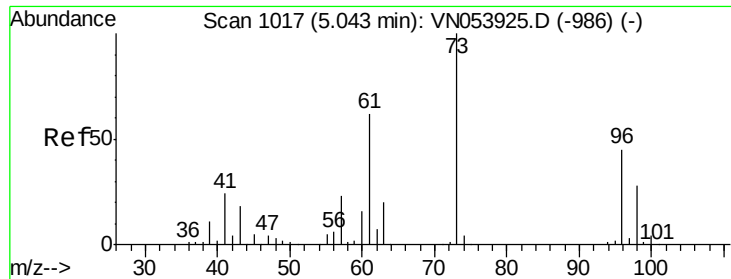
Tgt Ion: 43 Resp: 273414

Ion Ratio Lower Upper

43 100

74 22.1 20.5 30.7





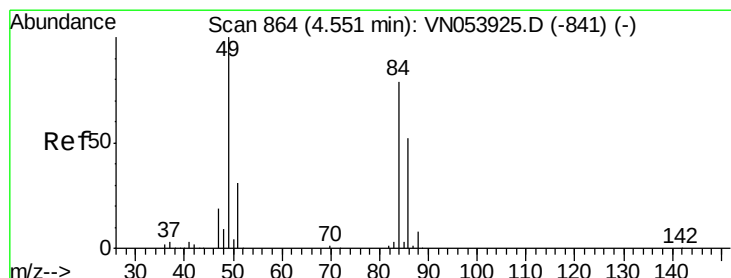
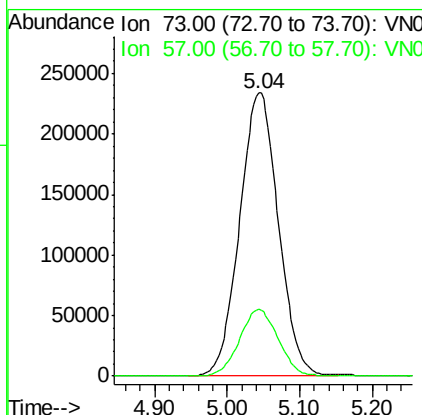
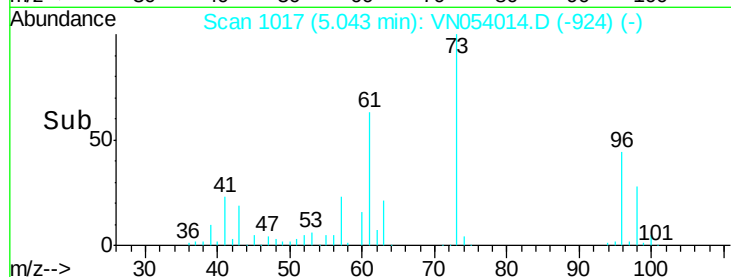
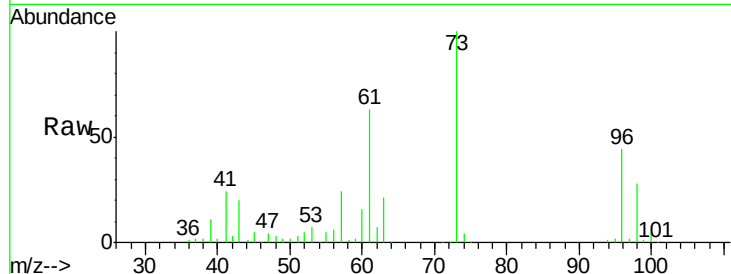
#19
Methyl tert-butyl Ether
Concen: 52.810 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 869564
Ion Ratio Lower Upper
73 100
57 23.6 18.0 27.0

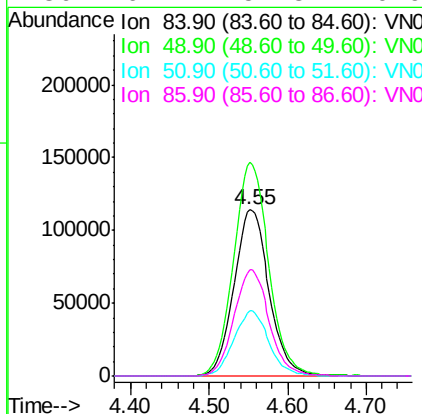
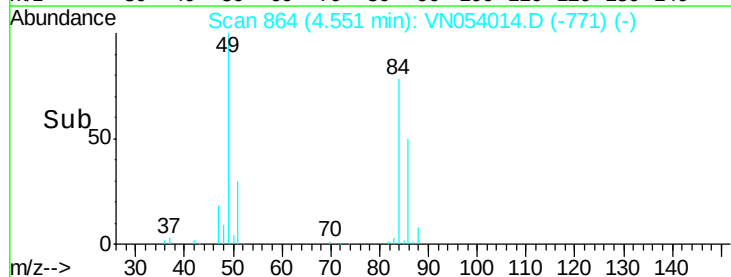
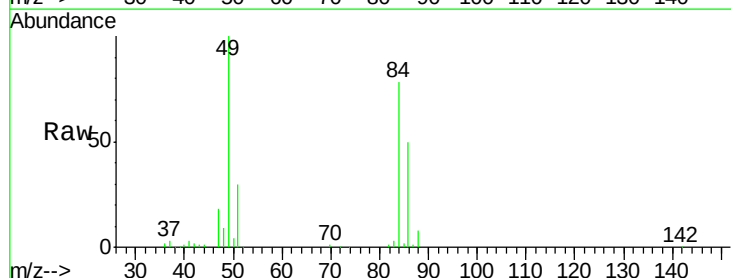
Manual Integrations
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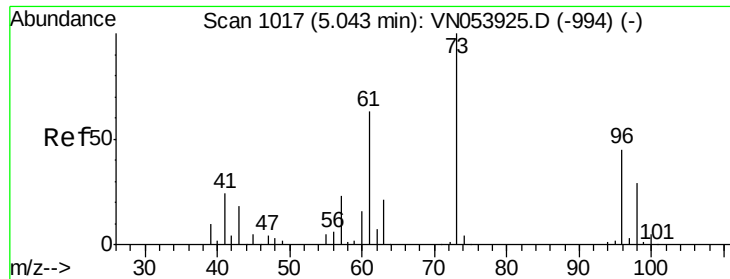
MMDadoda
3/1/2019 4:10:30 PM



#20
Methylene Chloride
Concen: 49.362 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion: 84 Resp: 356094
Ion Ratio Lower Upper
84 100
49 128.4 89.7 134.5
51 39.1 27.8 41.8
86 64.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 49.625 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 329676

Ion Ratio Lower Upper

96 100

61 142.0 104.5 156.7

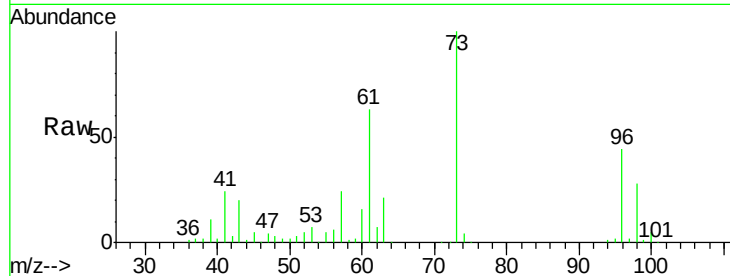
98 63.1 50.6 76.0

Manual Integrations

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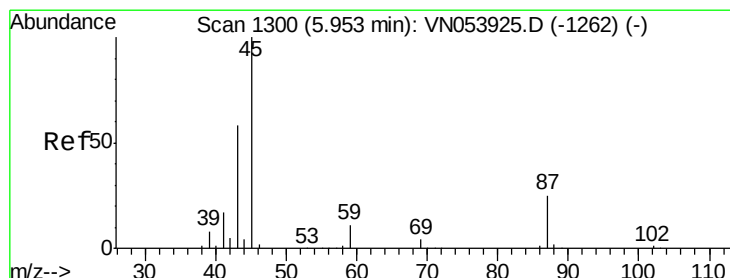
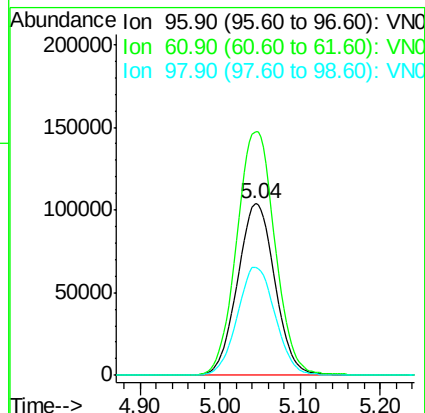
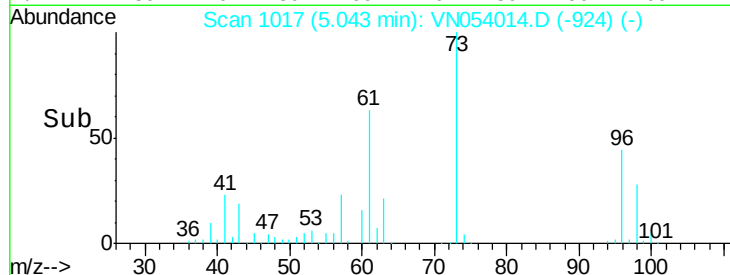


Abundance Ion 95.90 (95.60 to 96.60): VN054014.D (-924) (-)

Ion 60.90 (60.60 to 61.60): VN054014.D (-924) (-)

Ion 97.90 (97.60 to 98.60): VN054014.D (-924) (-)

Time-->



#22

Diisopropyl ether

Concen: 54.923 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Tgt Ion: 45 Resp: 1140701

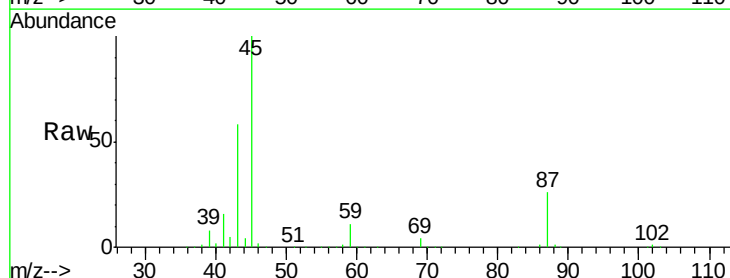
Ion Ratio Lower Upper

45 100

43 57.6 46.2 69.4

87 25.4 23.4 35.0

59 10.8 9.4 14.0



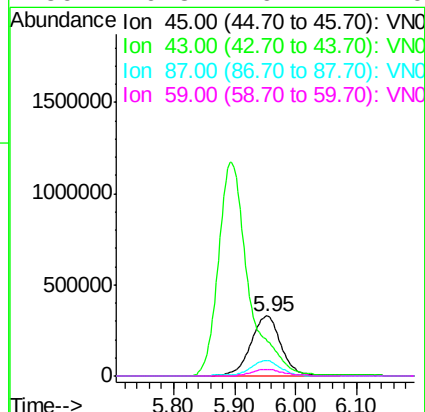
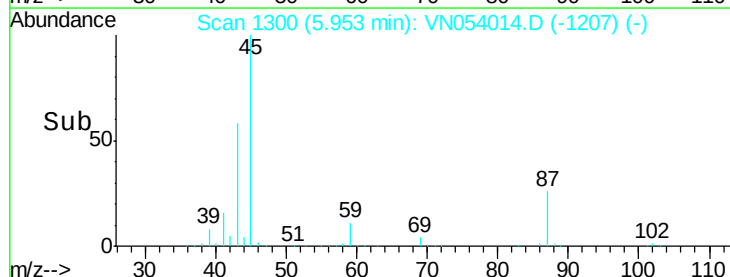
Abundance Ion 45.00 (44.70 to 45.70): VN054014.D (-1207) (-)

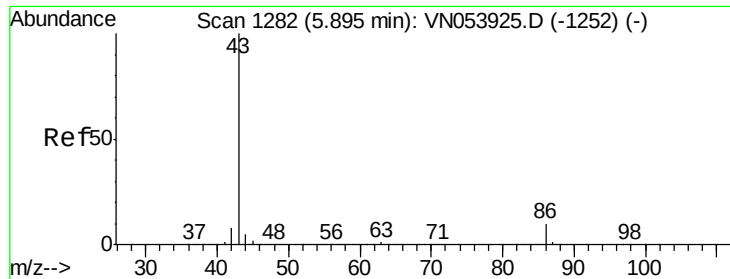
Ion 43.00 (42.70 to 43.70): VN054014.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN054014.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN054014.D (-1207) (-)

Time-->





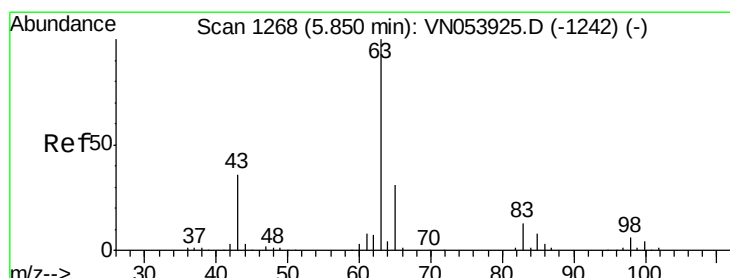
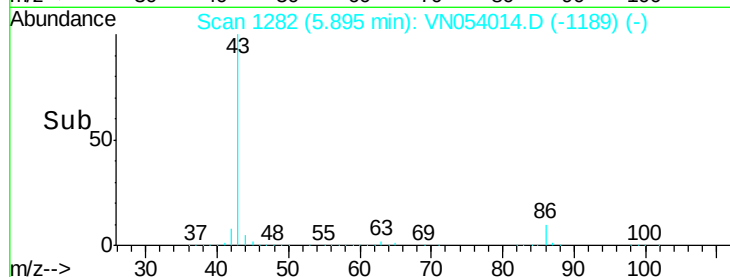
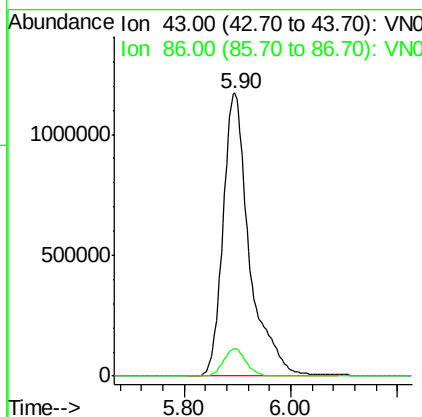
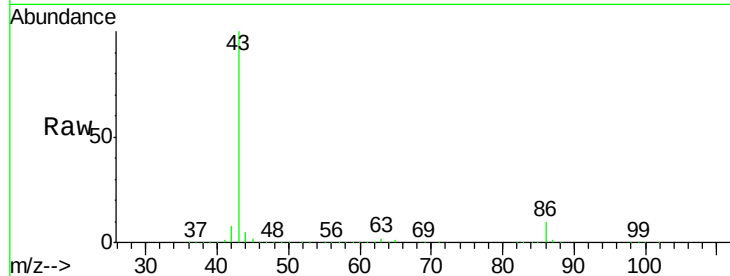
#23
 Vinyl Acetate
 Concen: 269.751 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 4030308
 Ion Ratio Lower Upper
 43 100
 86 9.7 9.1 13.7

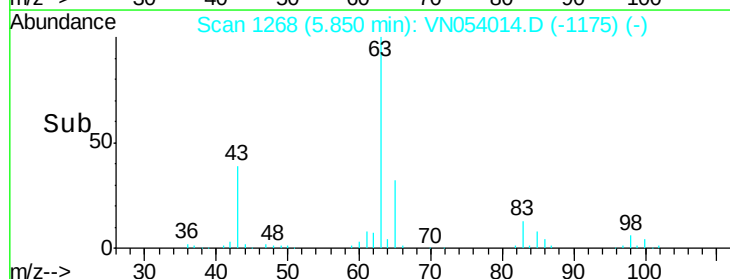
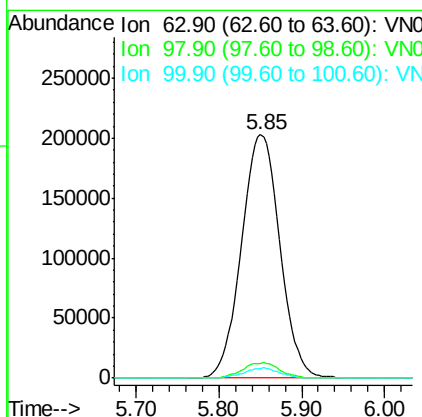
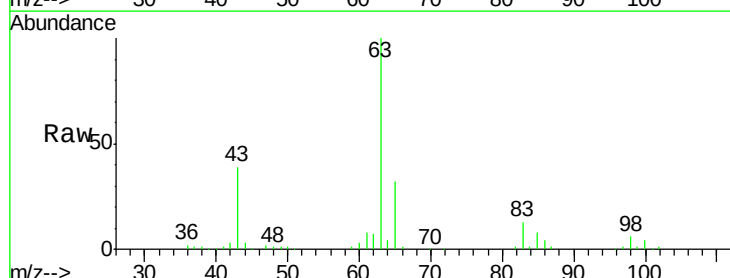
Manual Integrations
 APPROVED

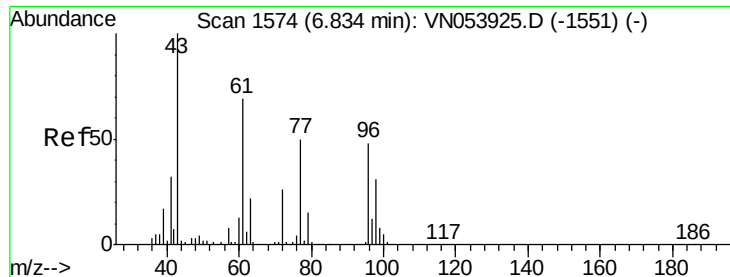
MMDadoda
 3/1/2019 4:10:30 PM



#24
 1,1-Dichloroethane
 Concen: 51.276 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion: 63 Resp: 653078
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.4 10.2
 100 4.0 2.2 6.6





#25

2-Butanone

Concen: 251.916 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 720967

Ion Ratio Lower Upper

43 100

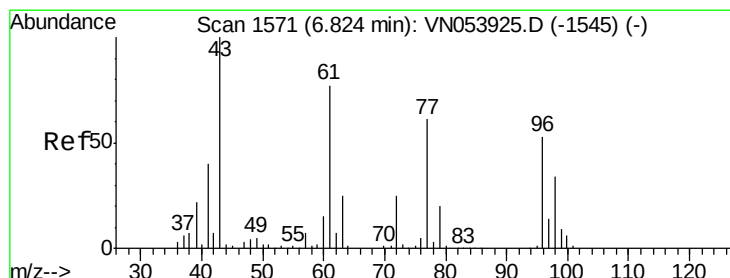
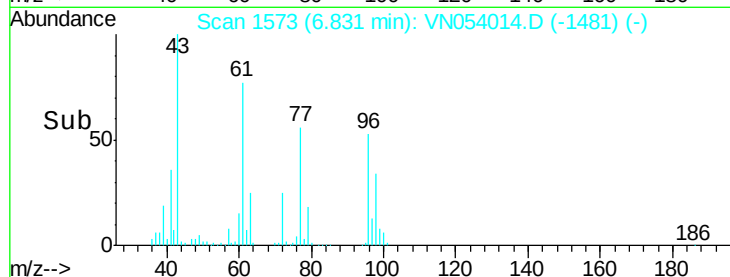
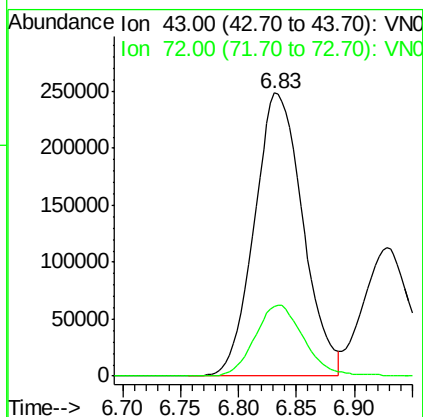
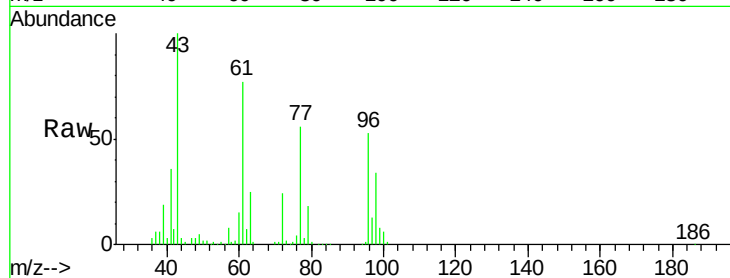
72 24.5 22.1 33.1

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3/1/2019 4:10:30 PM



#26

2,2-Dichloropropane

Concen: 49.988 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054014.D

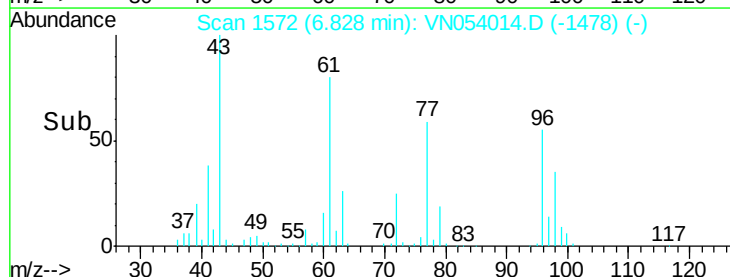
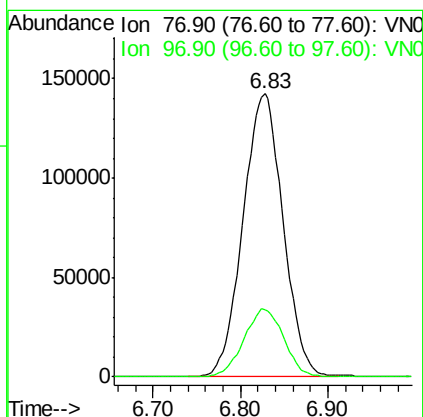
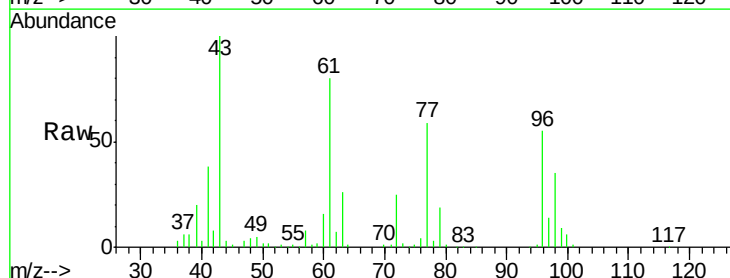
Acq: 28 Feb 2019 19:41

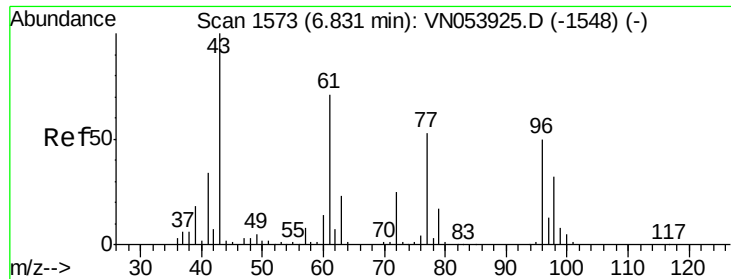
Tgt Ion: 77 Resp: 452329

Ion Ratio Lower Upper

77 100

97 23.8 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 51.650 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 381602

Ion Ratio Lower Upper

96 100

61 147.6 0.0 275.6

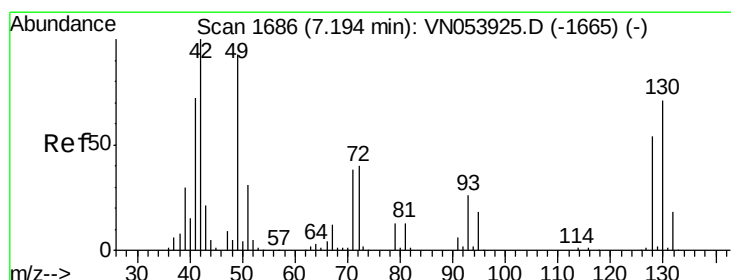
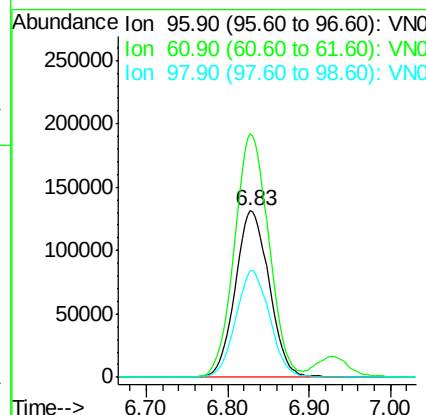
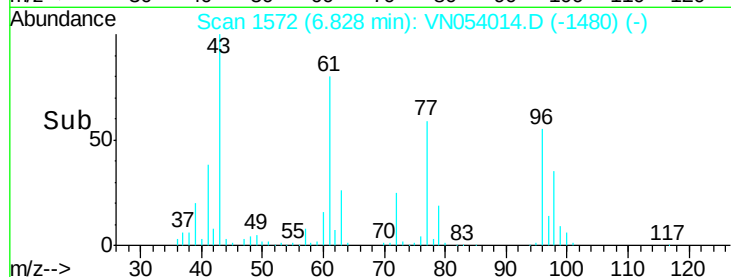
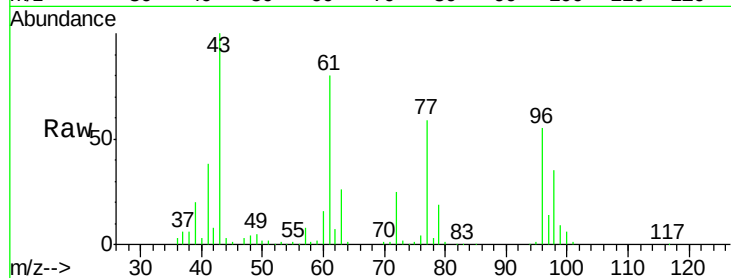
98 64.0 0.0 130.0

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#28

Bromochloromethane

Concen: 52.240 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

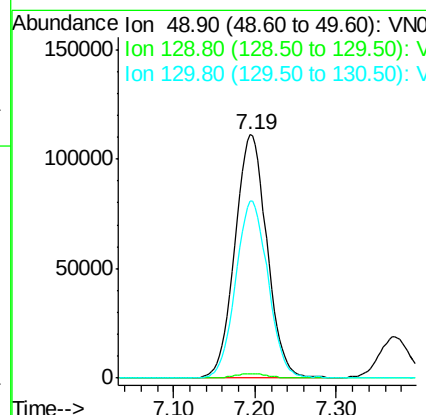
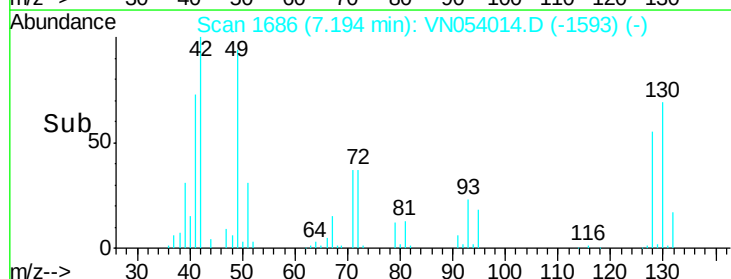
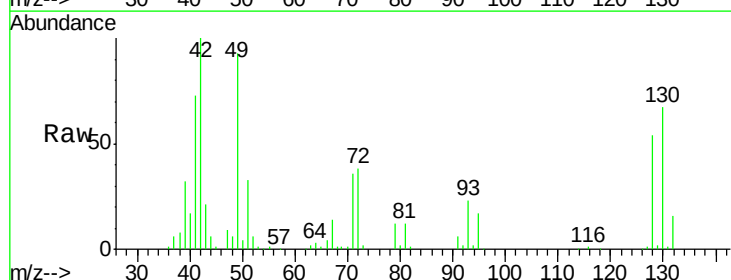
Tgt Ion: 49 Resp: 304547

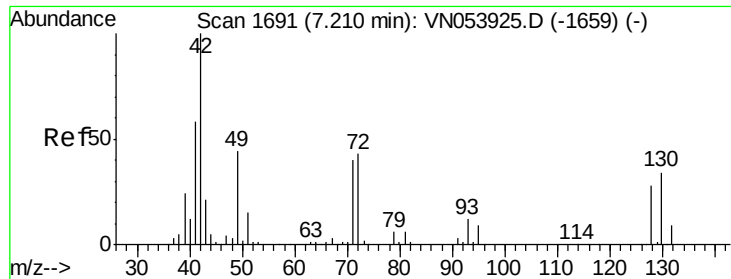
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.6

130 73.1 72.9 109.3





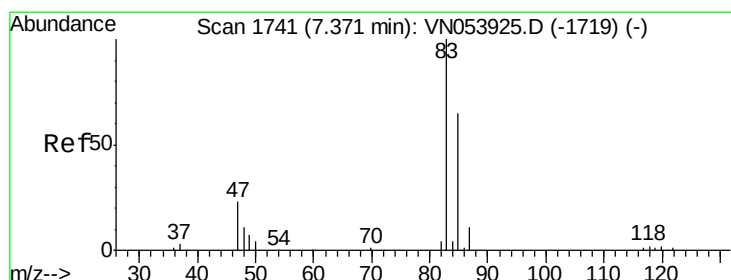
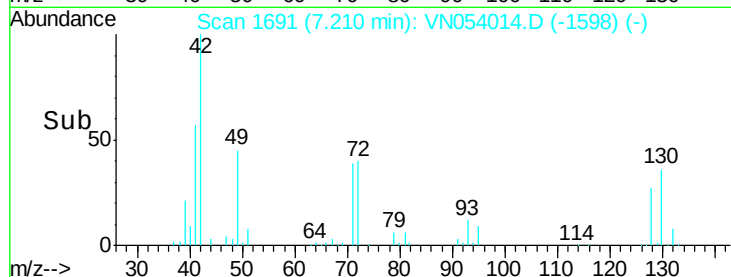
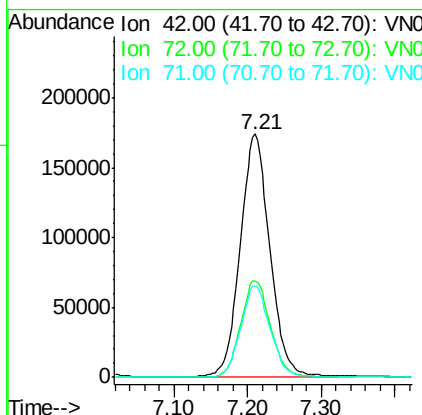
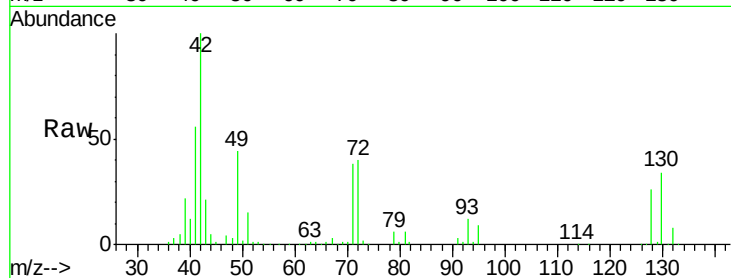
#29
Tetrahydrofuran
Concen: 254.806 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	36.9	55.3
71	37.7	34.6	52.0

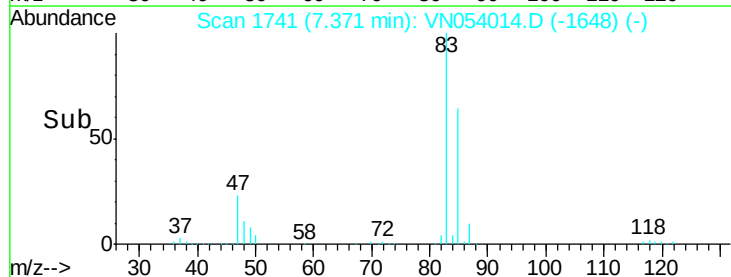
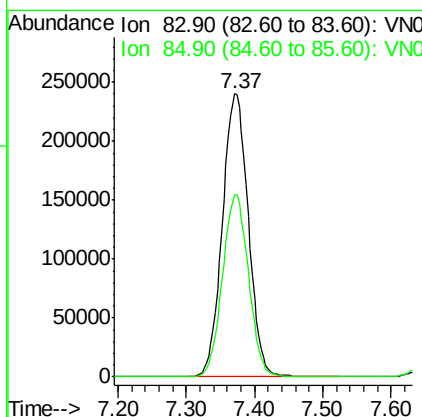
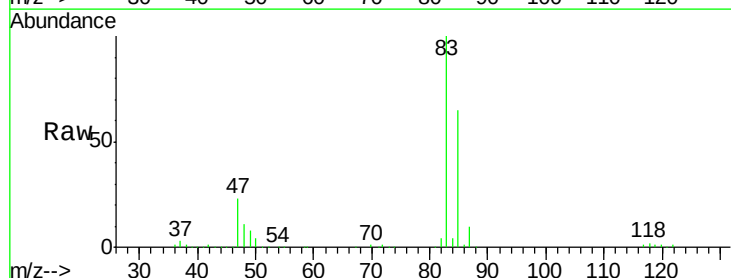
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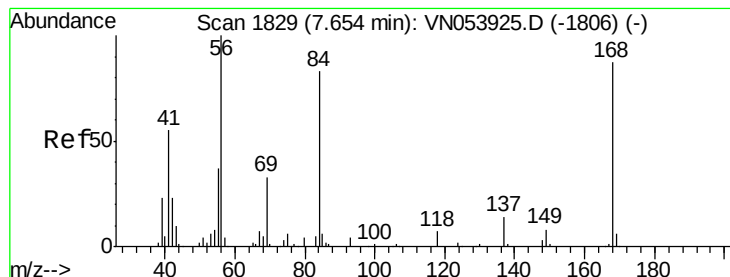
MMDadoda
3/1/2019 4:10:30 PM



#30
Chloroform
Concen: 51.465 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	78.8





#31

Cyclohexane

Concen: 52.174 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

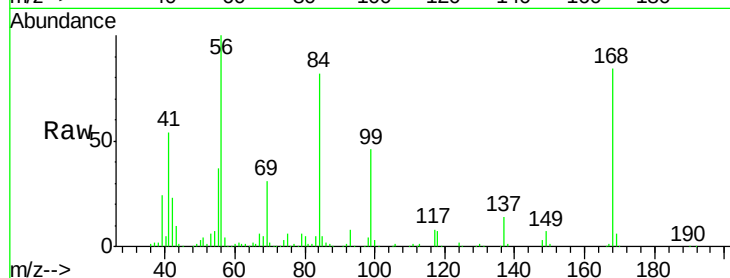
ClientSampleId :

VSTDCCC050EC

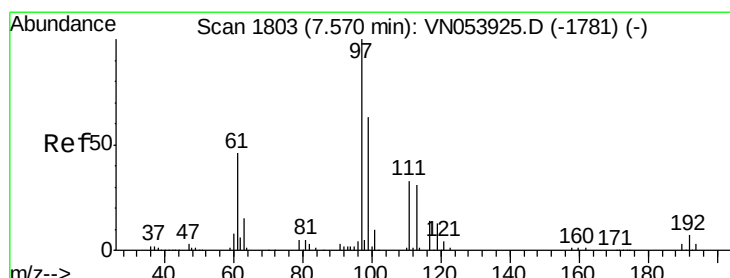
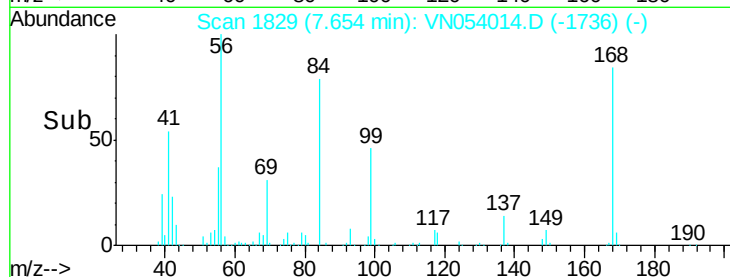
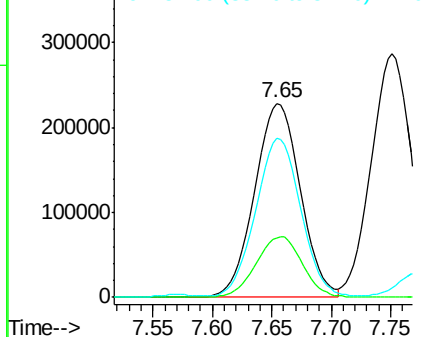
Tot Ion	56	Resp	607916
Ion	Ratio	Lower	Upper
56	100		
69	30.9	26.0	39.0
84	80.8	69.1	103.7

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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 50.568 ug/l

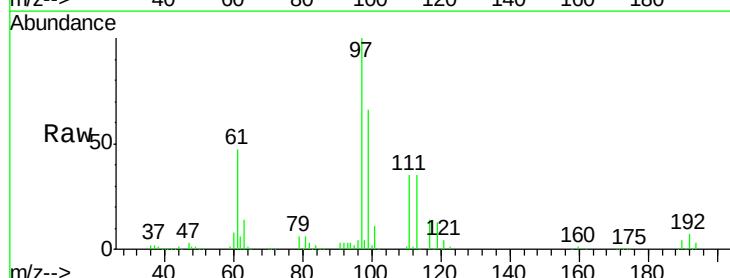
RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

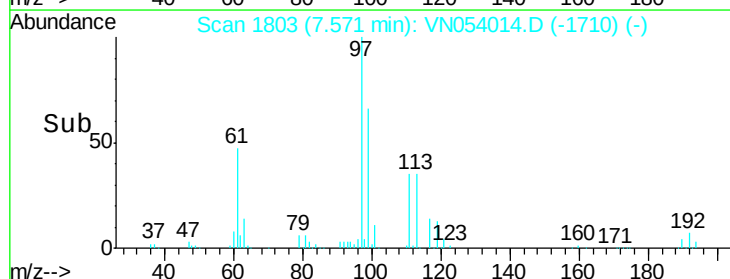
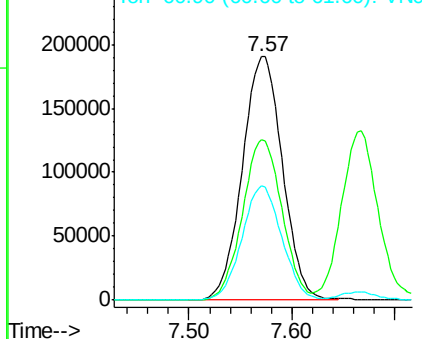
Lab File: VN054014.D

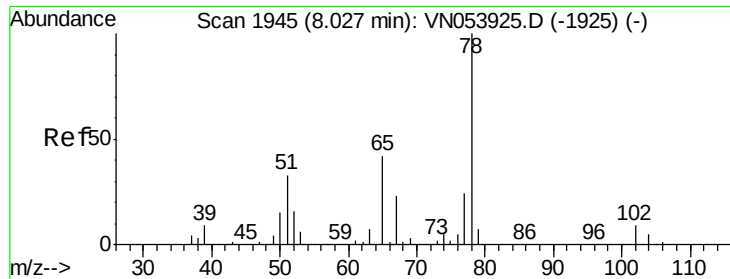
Acq: 28 Feb 2019 19:41

Tgt Ion	97	Resp	514932
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.8
61	46.6	33.2	49.8



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





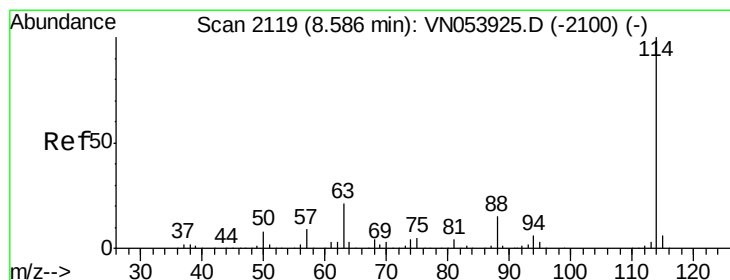
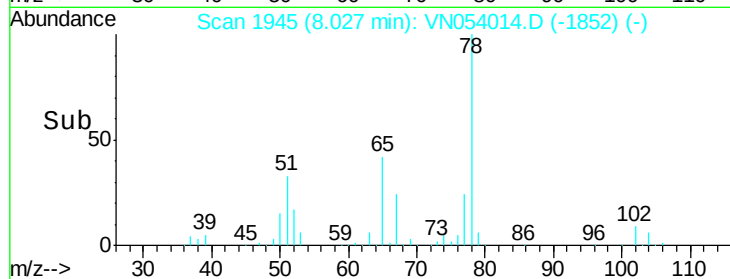
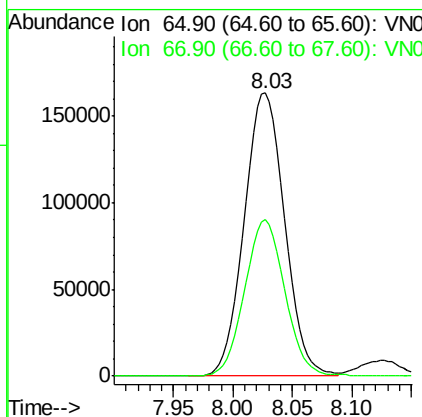
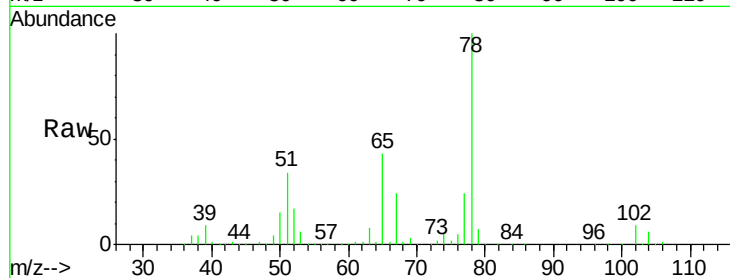
#33
 1,2-Dichloroethane-d4
 Concen: 52.888 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.0	0.0	111.8	

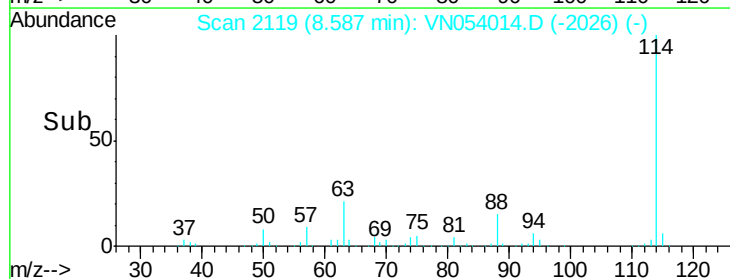
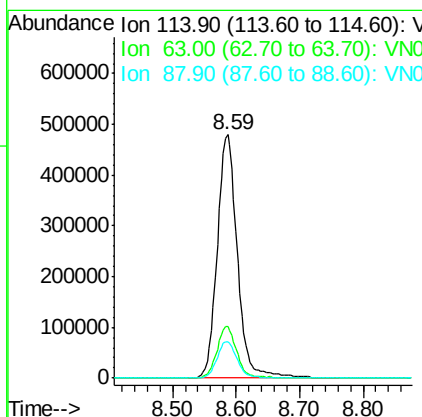
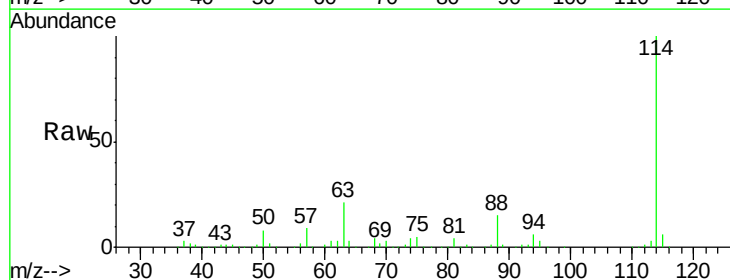
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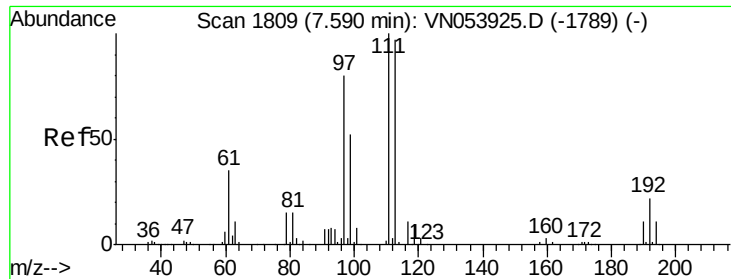
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.2	0.0	37.4	
88	15.1	0.0	30.4	





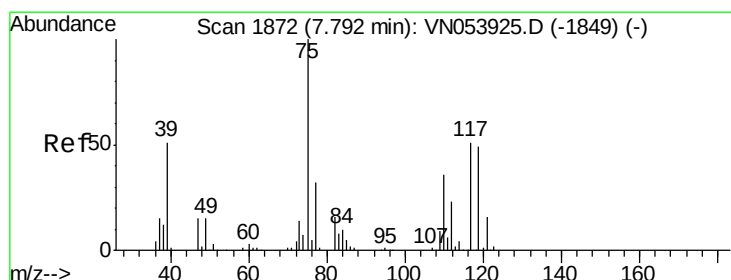
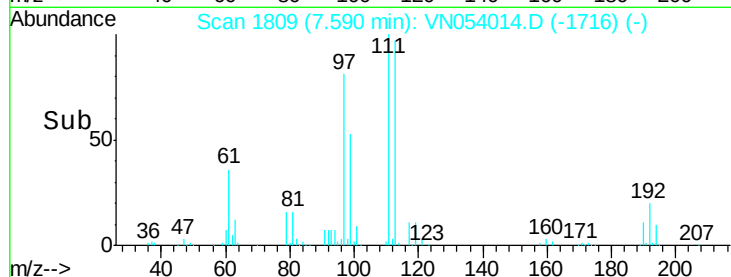
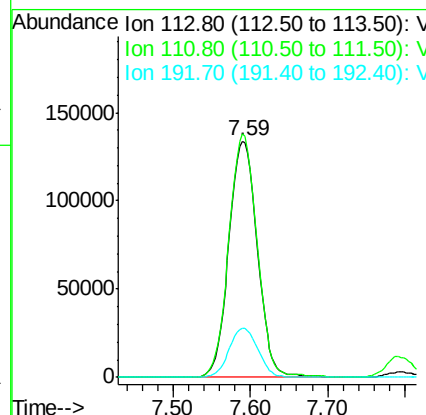
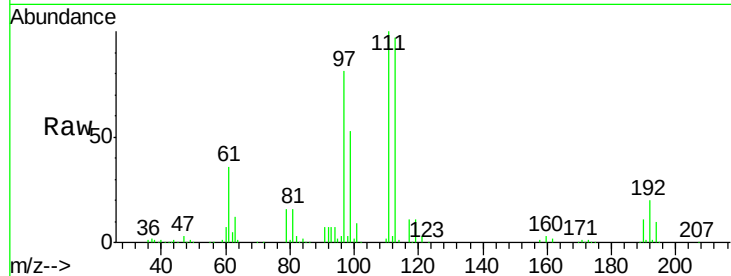
#35
 Dibromofluoromethane
 Concen: 50.286 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	342590		
111	101.6	81.1	121.7	
192	21.1	18.8	28.2	

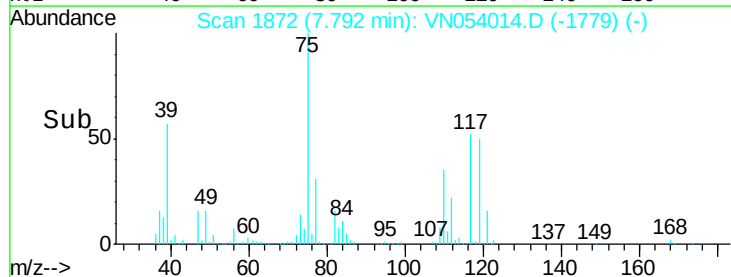
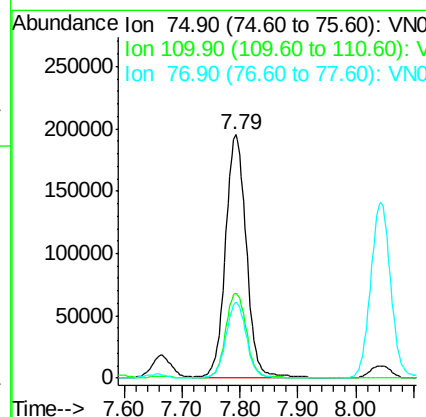
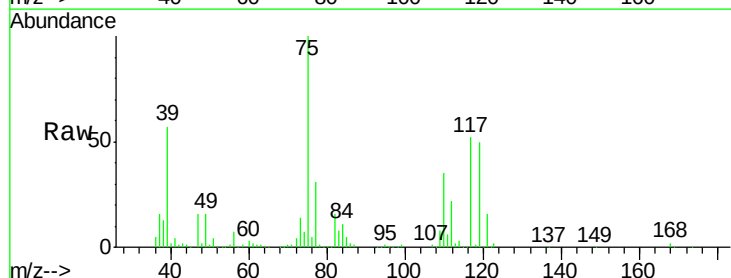
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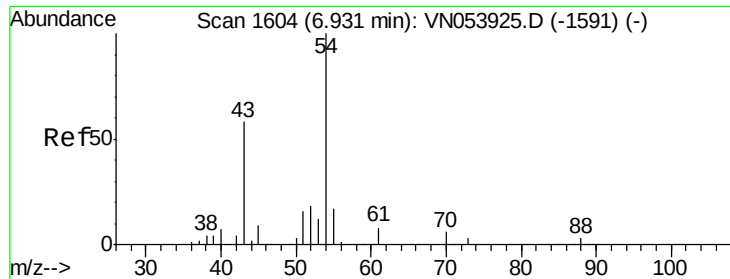
MMDadoda
 3/1/2019 4:10:30 PM



#36
 1,1-Dichloropropene
 Concen: 49.399 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	483995		
110	35.4	19.0	57.0	
77	30.8	25.4	38.0	





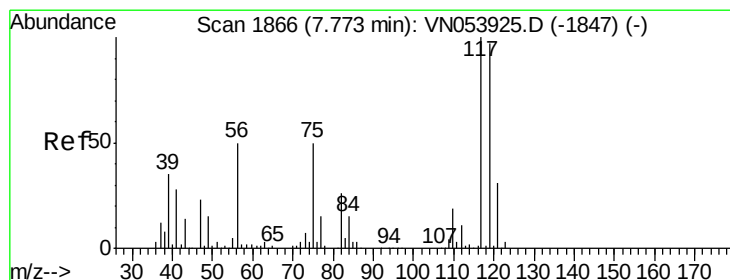
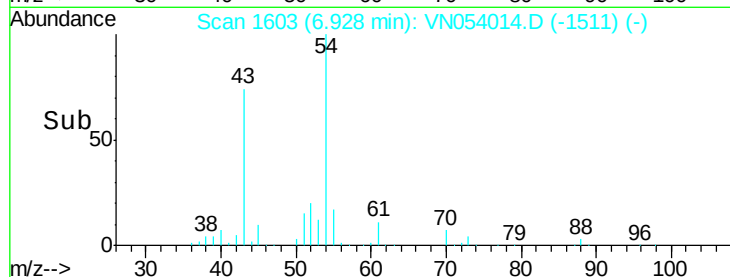
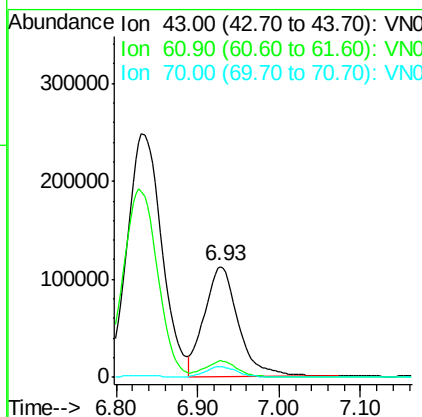
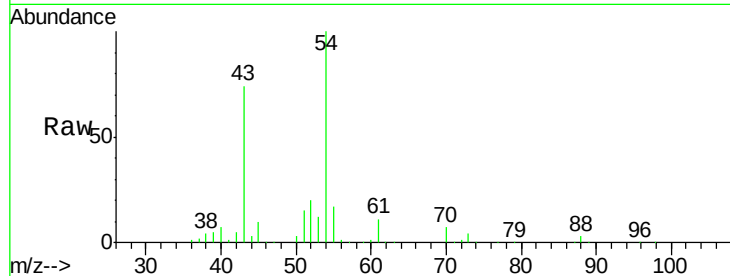
#37
Ethyl Acetate
Concen: 46.921 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	12.0	18.0
70	9.0	8.7	13.1

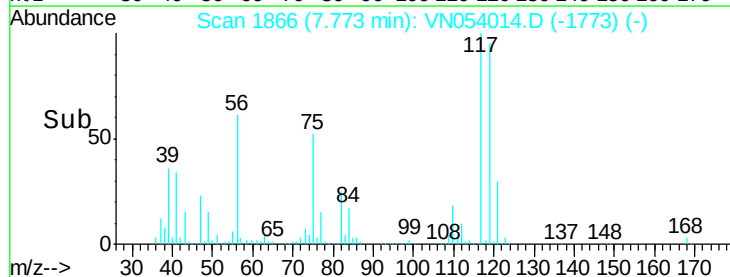
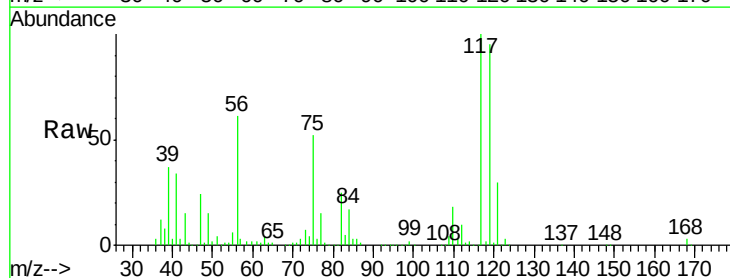
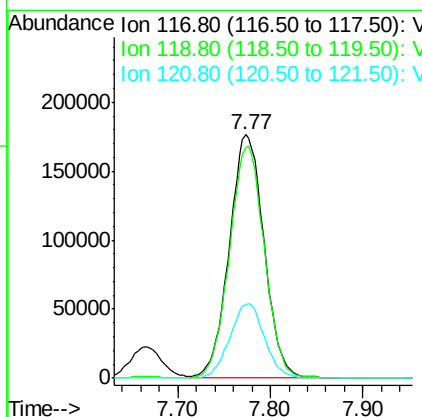
Manual Integrations
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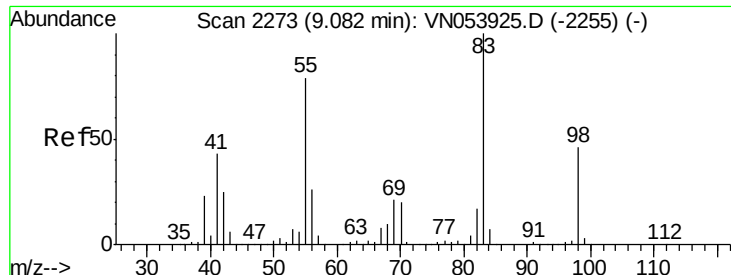
MMDadoda
3/1/2019 4:10:30 PM



#38
Carbon Tetrachloride
Concen: 44.720 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.2	114.2
121	30.5	24.6	36.8





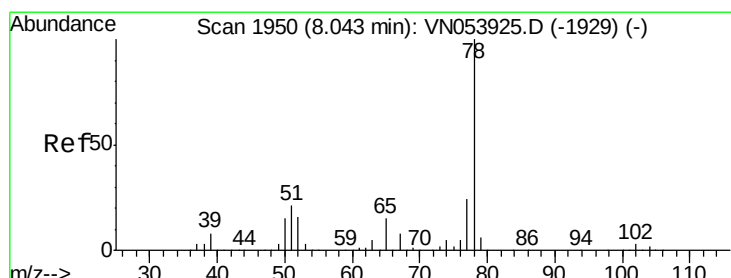
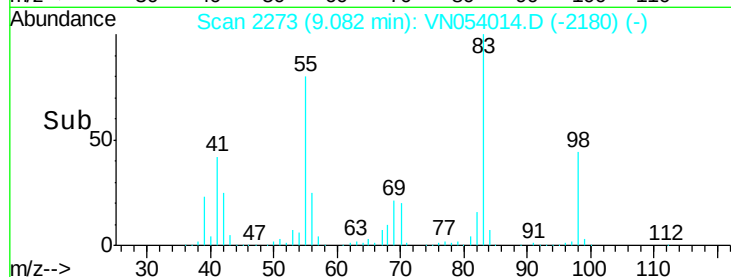
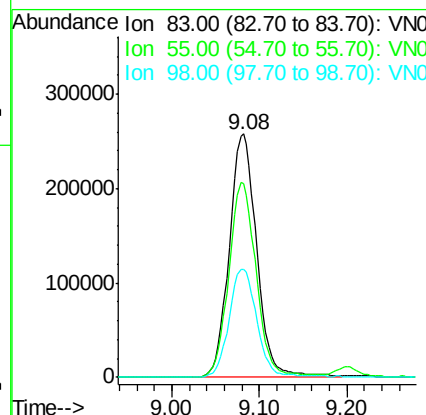
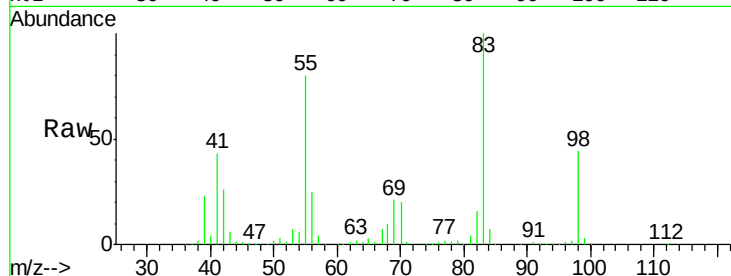
#39
Methylvlcyclohexane
Concen: 47.788 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	58.2	87.4
98	44.4	37.2	55.8

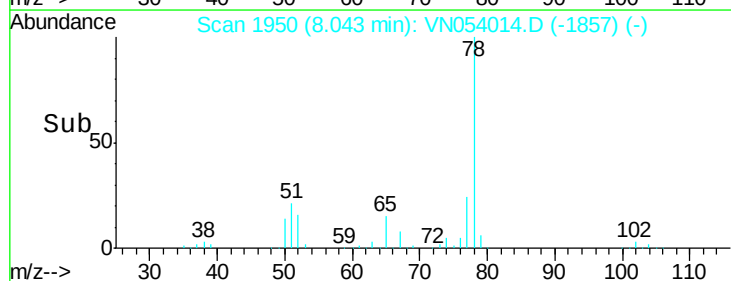
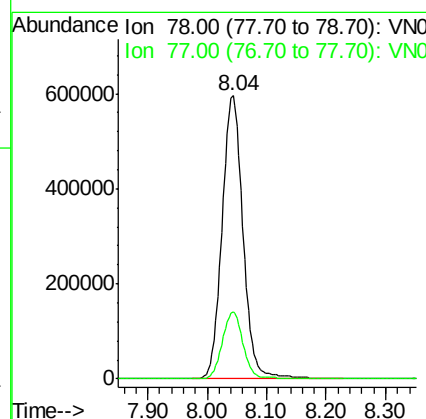
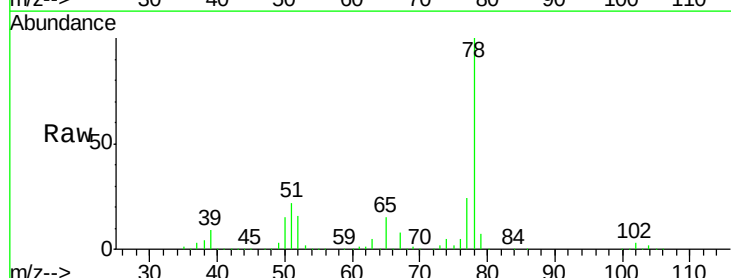
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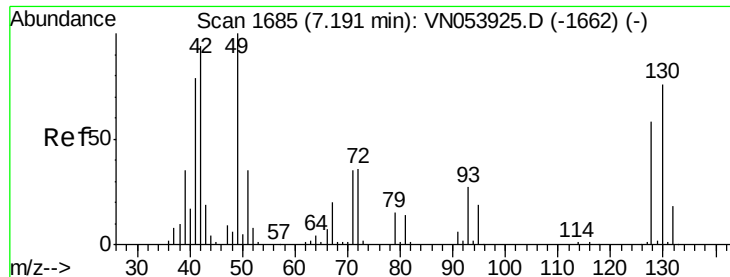
MMDadoda
3/1/2019 4:10:30 PM



#40
Benzene
Concen: 48.341 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





#41

Methacrylonitrile

Concen: 39.735 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.02 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 178995

Ion Ratio Lower Upper

41 100

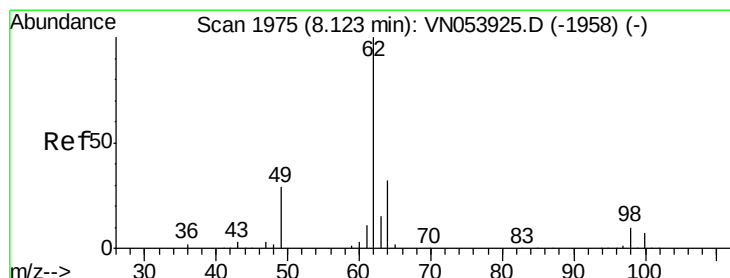
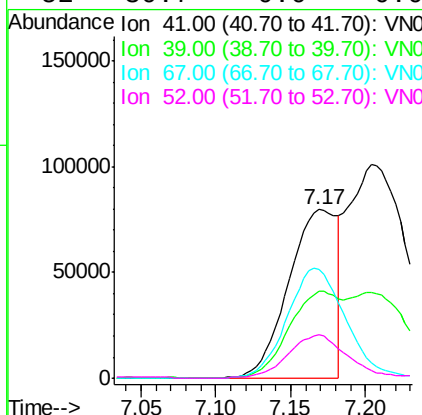
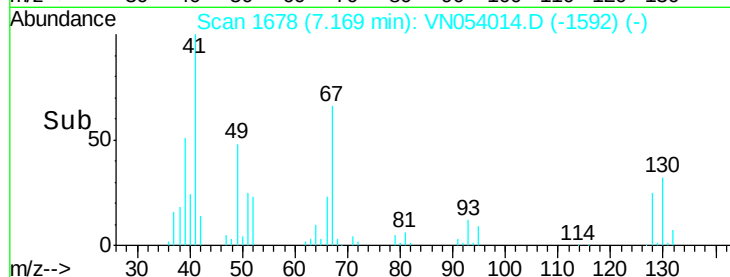
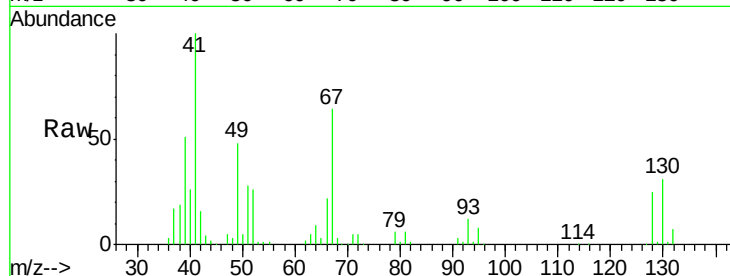
39 54.9 0.0 0.0#

67 80.0 0.0 0.0#

52 30.7 0.0 0.0#

Manual Integrations
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3/1/2019 4:10:30 PM



#42

1,2-Dichloroethane

Concen: 48.972 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN054014.D

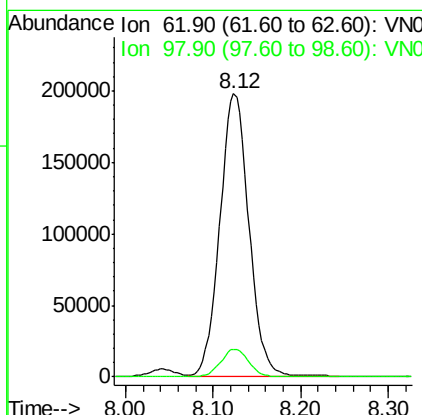
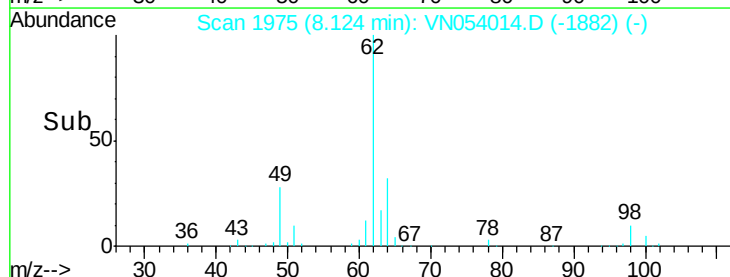
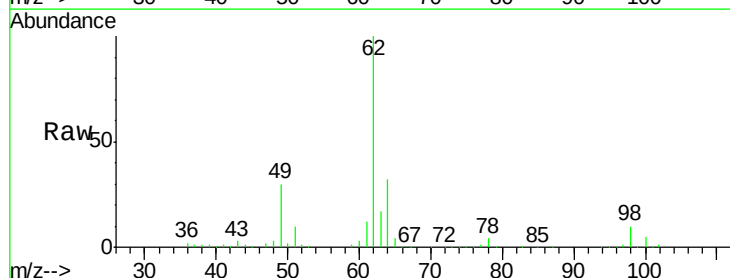
Acq: 28 Feb 2019 19:41

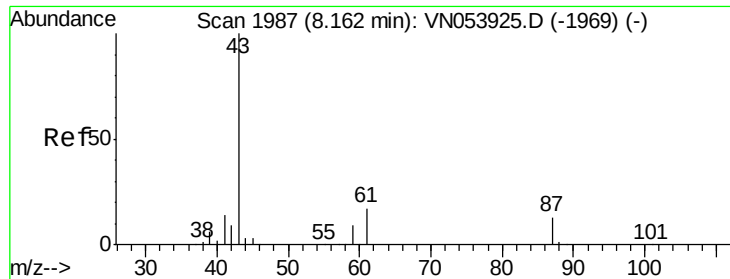
Tgt Ion: 62 Resp: 456339

Ion Ratio Lower Upper

62 100

98 9.5 0.0 20.8





#43

Isopropyl Acetate

Concen: 47.707 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

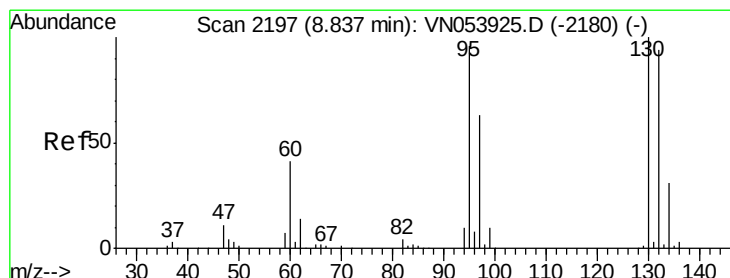
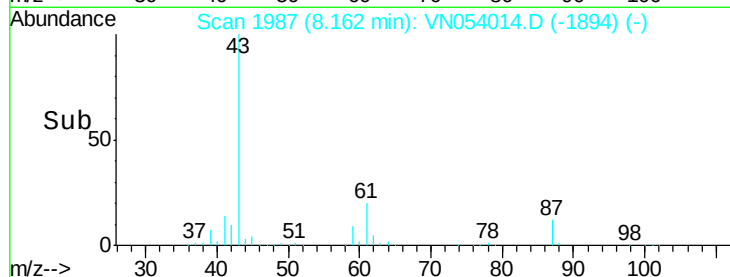
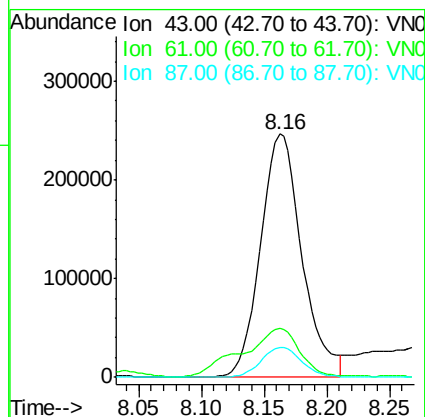
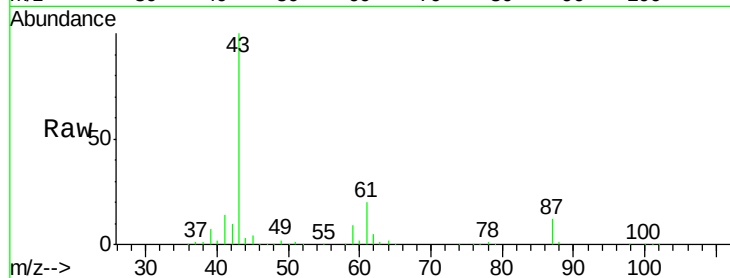
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	563512
Ion	Ratio	Lower	Upper
43	100		
61	27.9	17.4	26.0#
87	12.4	11.5	17.3

Manual Integrations
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#44

Trichloroethene

Concen: 47.659 ug/l

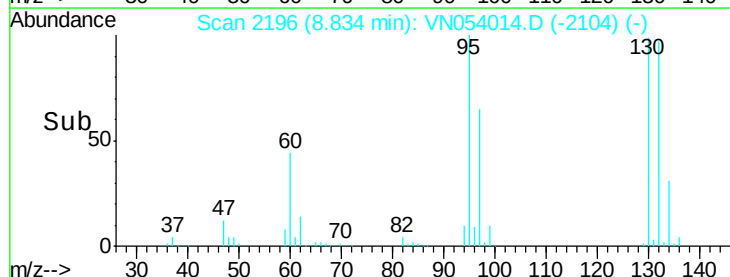
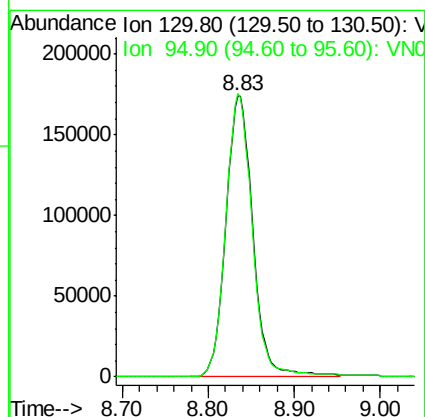
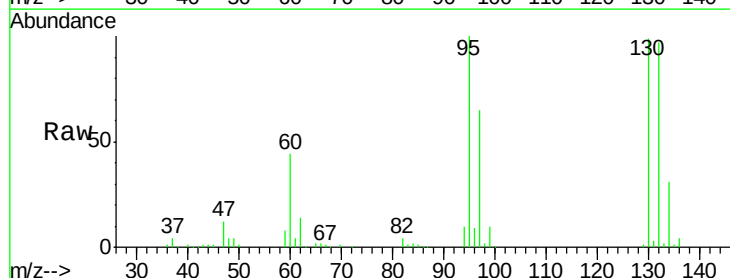
RT: 8.83 min Scan# 2196

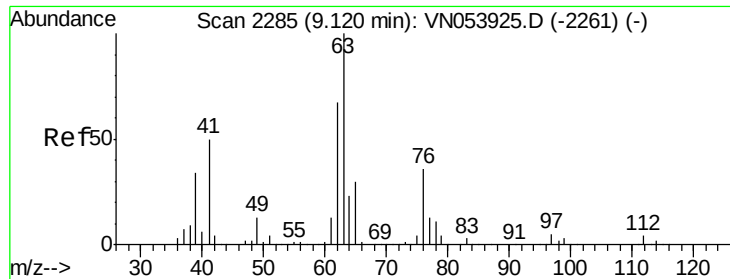
Delta R.T. -0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Tgt Ion:	130	Resp:	380293
Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	190.0





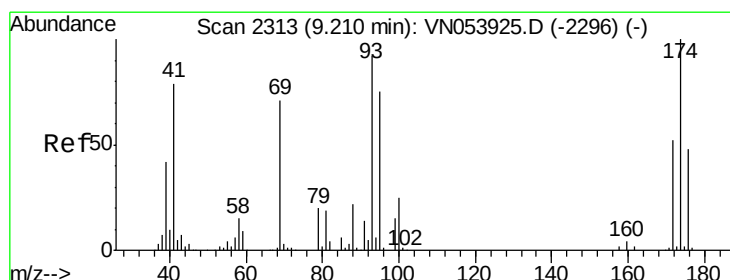
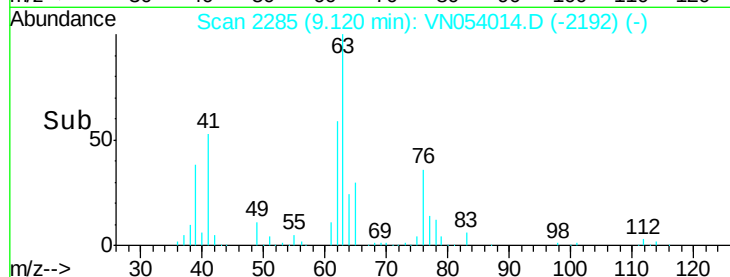
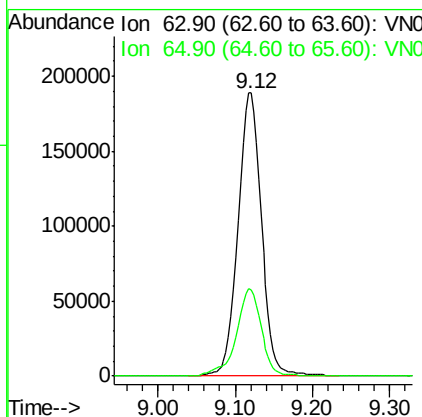
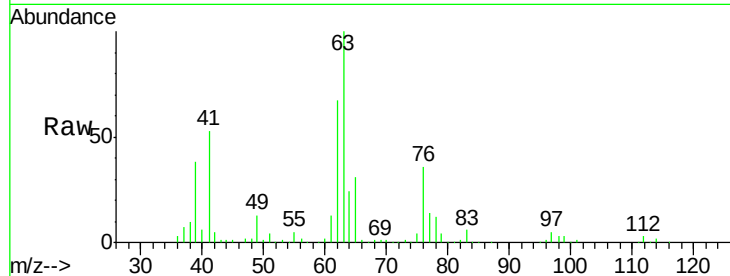
#45
 1,2-Dichloropropane
 Concen: 48.828 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	396506		
65	30.6	24.3	36.5	

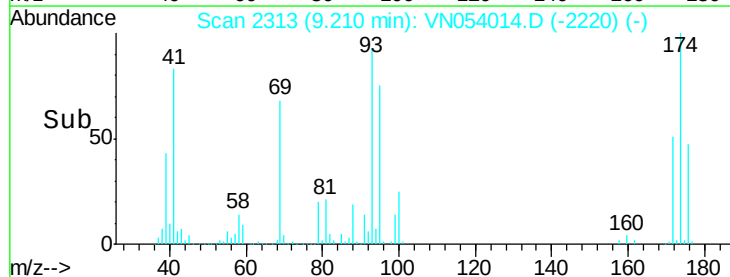
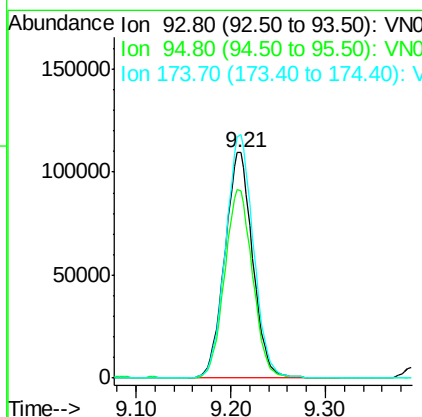
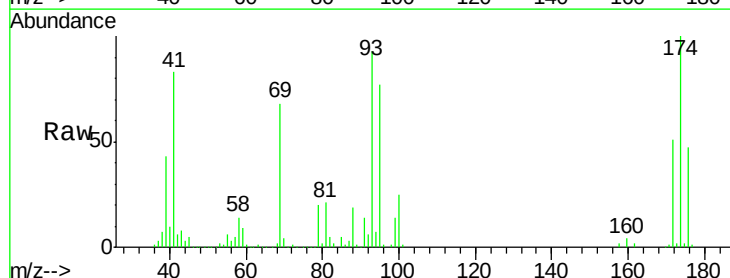
Manual Integrations
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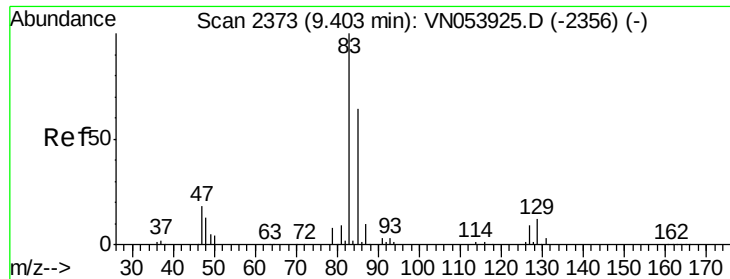
MMDadoda
 3/1/2019 4:10:30 PM



#46
 Dibromomethane
 Concen: 47.658 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	224679		
95	83.7	66.6	100.0	
174	107.5	96.2	144.4	





#47

Bromodichloromethane

Concen: 48.545 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

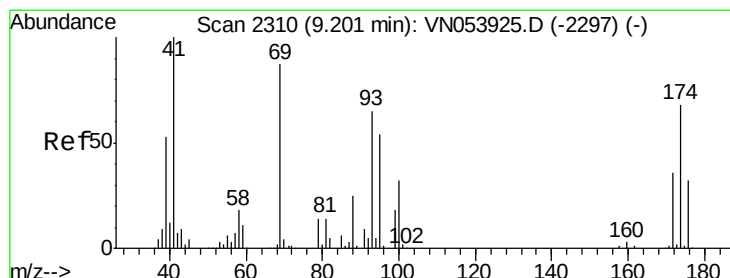
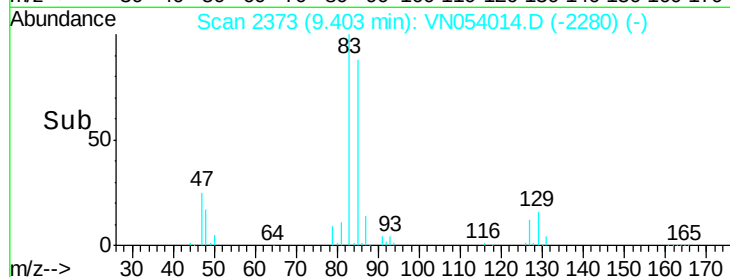
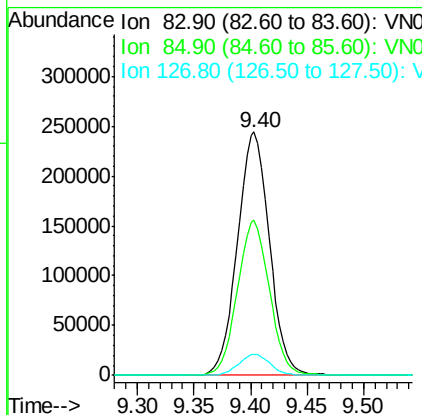
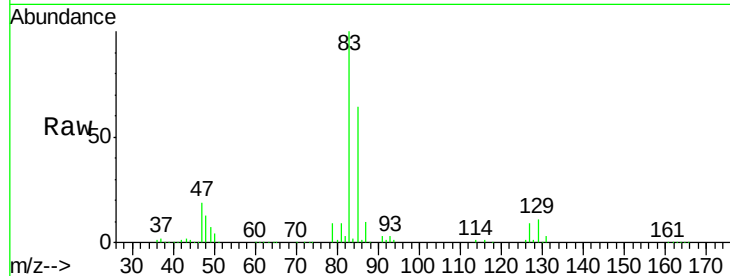
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	482305
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.8	77.6
127	8.8	7.4	11.0

Manual Integrations
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MMDadoda
3/1/2019 4:10:30 PM



#48

Methyl methacrylate

Concen: 50.678 ug/l

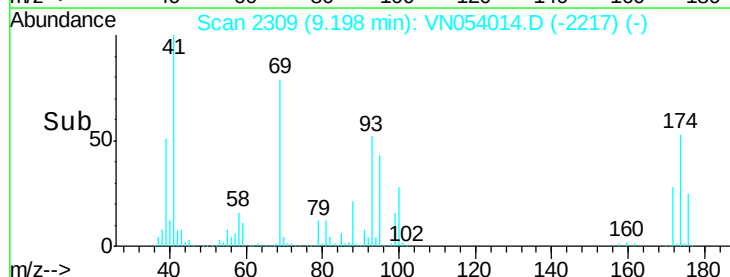
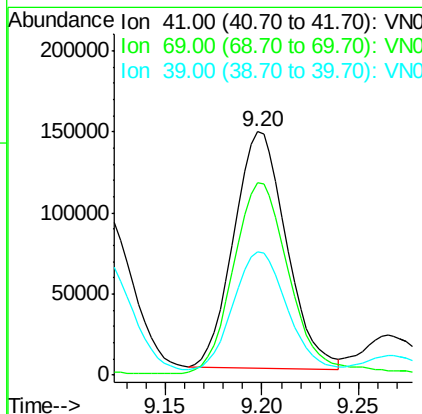
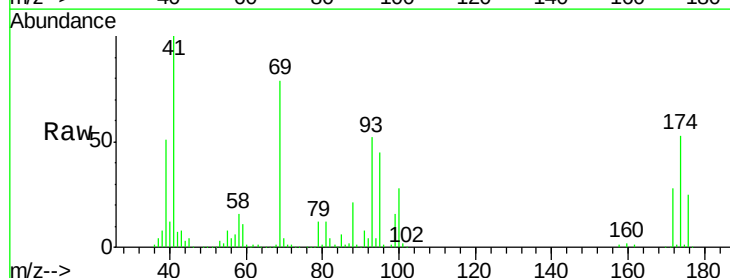
RT: 9.20 min Scan# 2309

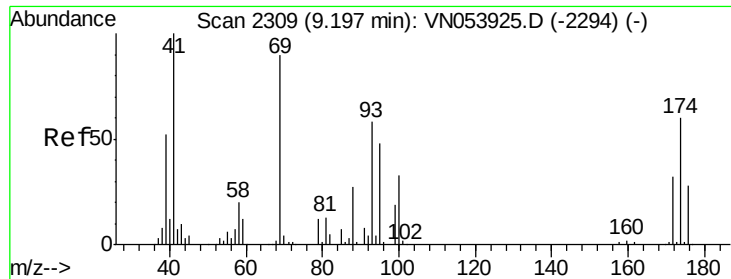
Delta R.T. -0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Tgt Ion:	41	Resp:	275340
Ion Ratio	Lower	Upper	
41	100		
69	89.4	74.8	112.2
39	55.7	39.0	58.6





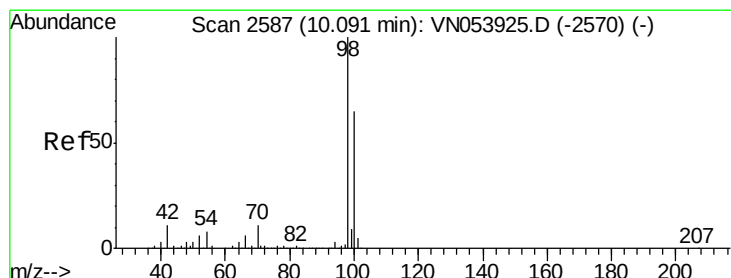
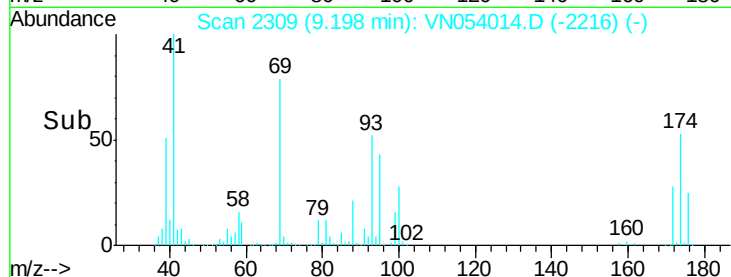
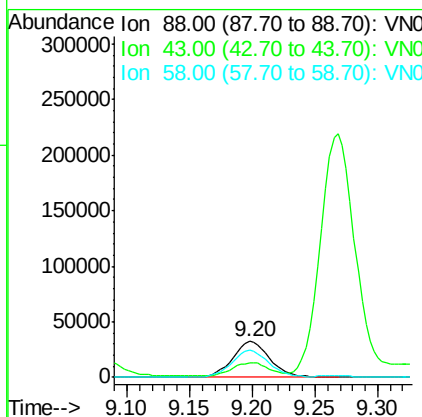
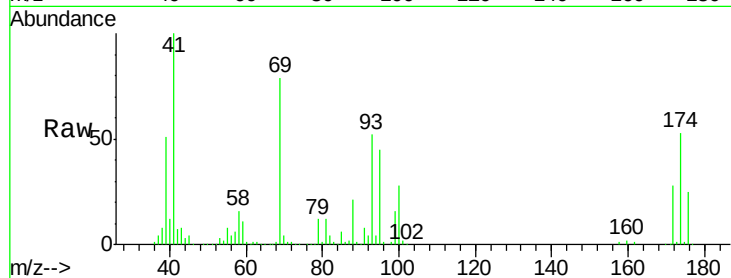
#49
 1,4-Dioxane
 Concen: 916.221 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	67423
Ion	Ratio	Lower	Upper
88	100		
43	34.6	21.2	31.8#
58	73.6	54.2	81.2

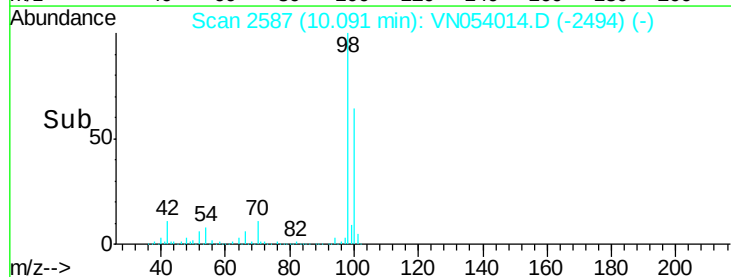
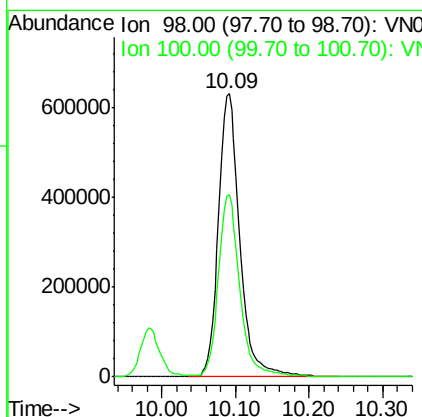
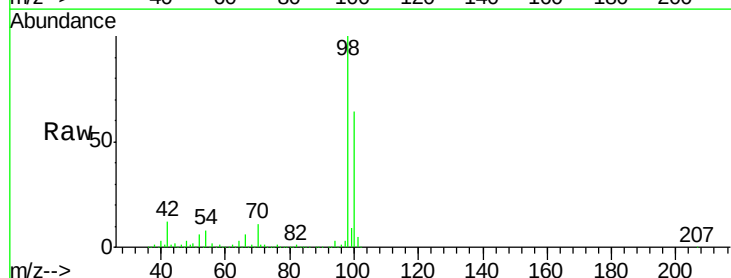
Manual Integrations
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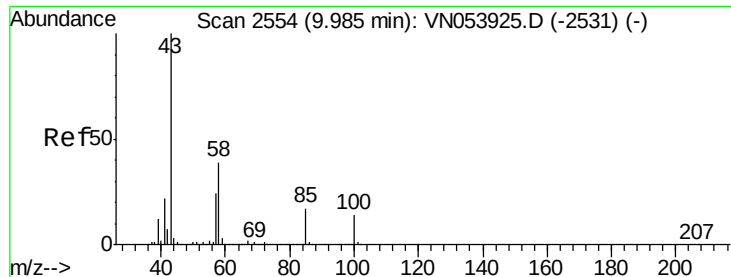
MMDadoda
 3/1/2019 4:10:30 PM



#50
 Toluene-d8
 Concen: 50.165 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion	98	Resp	1272236
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 255.517 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1550932

Ion Ratio Lower Upper

43 100

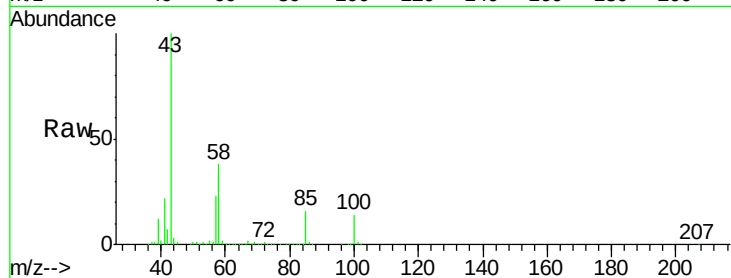
58 37.8 32.7 49.1

Manual Integrations

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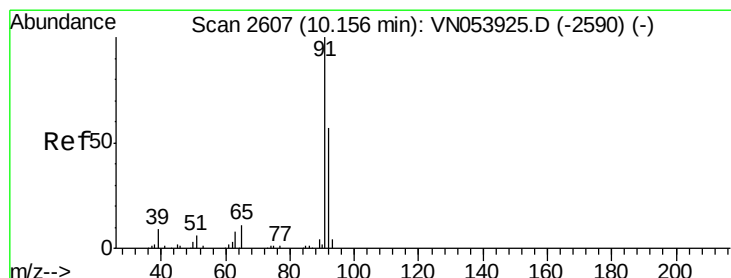
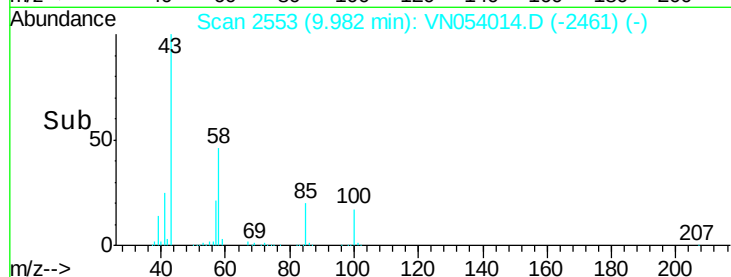
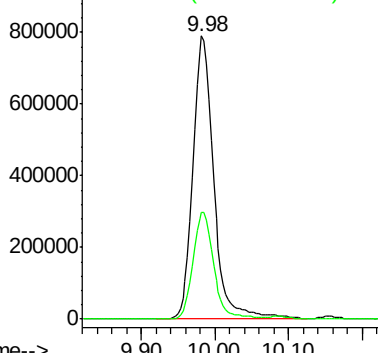
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.829 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054014.D

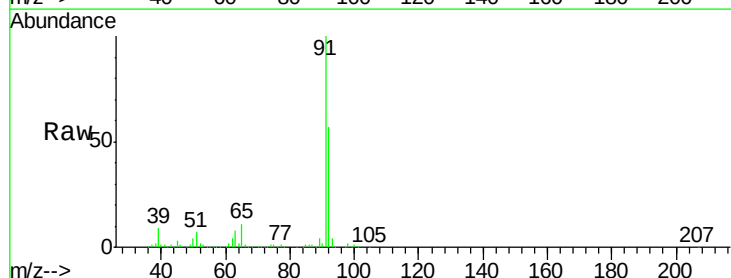
Acq: 28 Feb 2019 19:41

Tgt Ion: 92 Resp: 865396

Ion Ratio Lower Upper

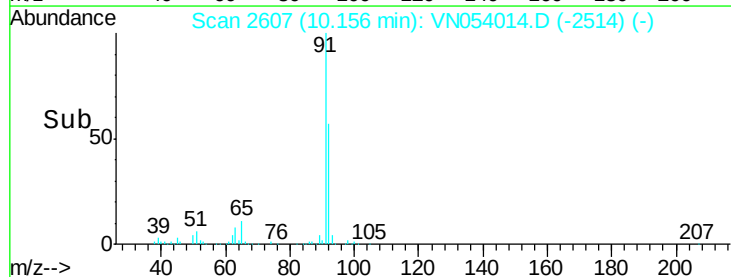
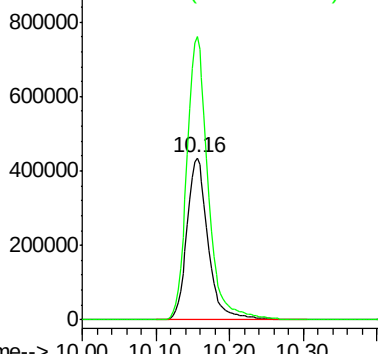
92 100

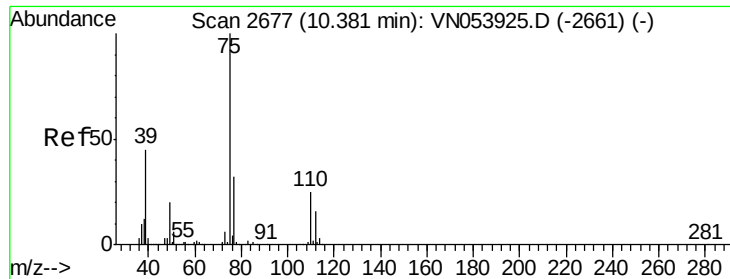
91 175.3 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





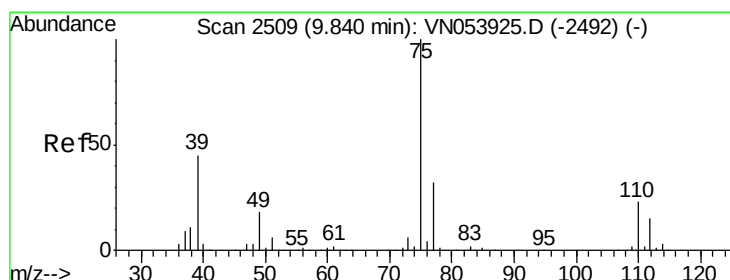
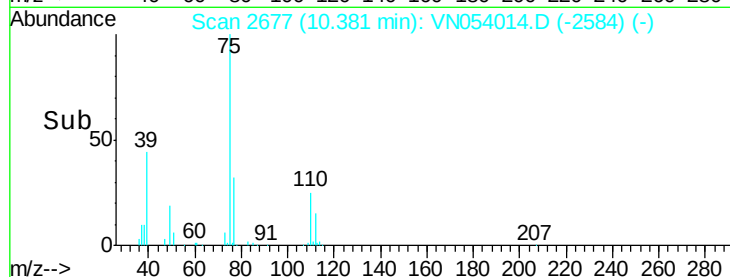
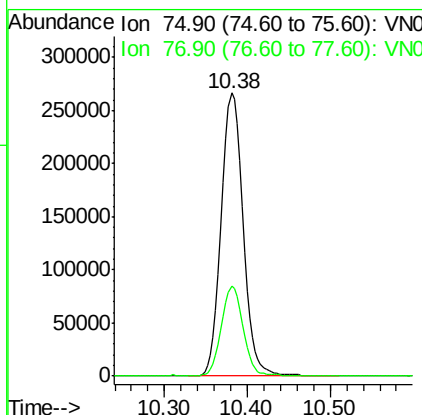
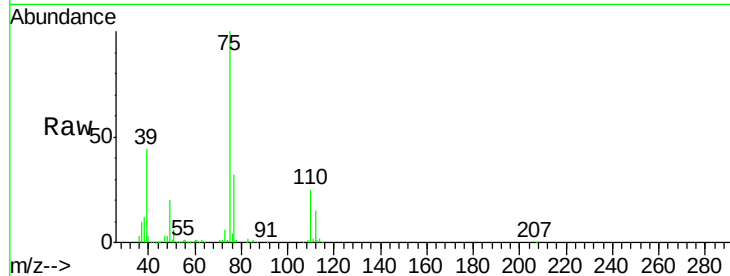
#53
t-1,3-Dichloropropene
Concen: 50.703 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.6

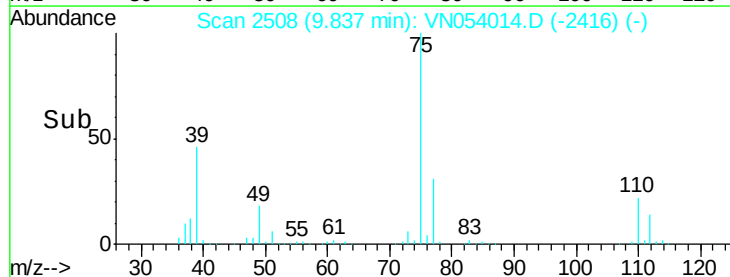
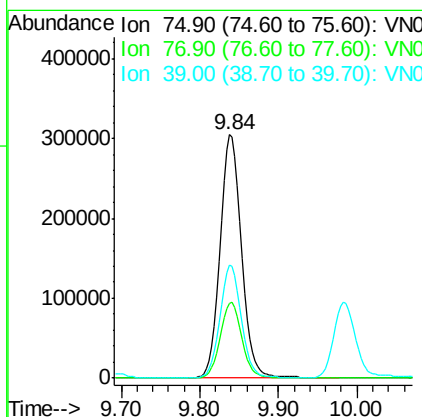
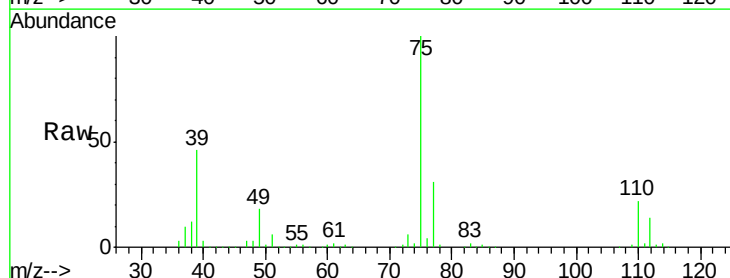
Manual Integrations
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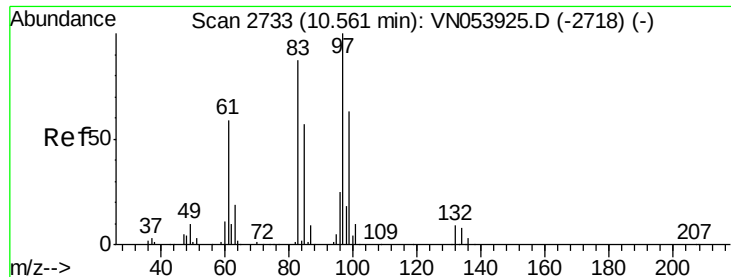
MMDadoda
3/1/2019 4:10:30 PM



#54
cis-1,3-Dichloropropene
Concen: 50.144 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.8	38.6
39	46.3	31.4	47.0





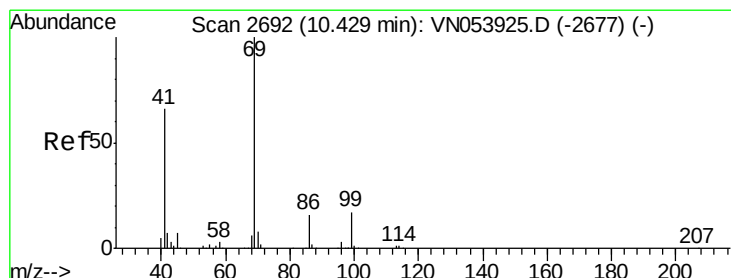
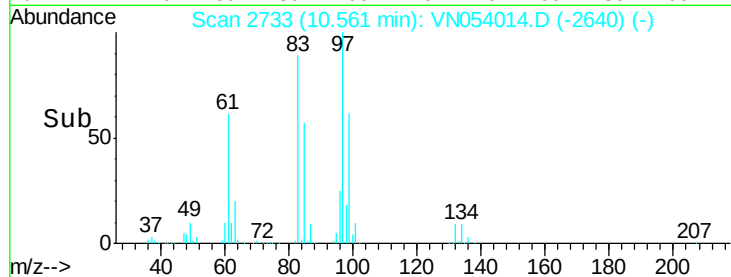
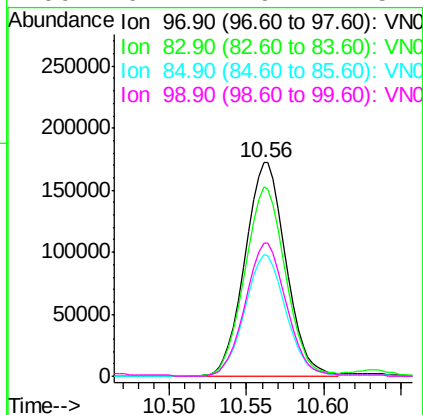
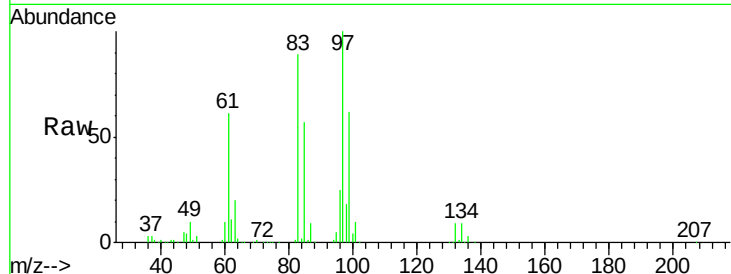
#55
 1,1,2-Trichloroethane
 Concen: 47.951 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	317383
Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.5	104.3
85	56.8	45.9	68.9
99	62.1	49.1	73.7

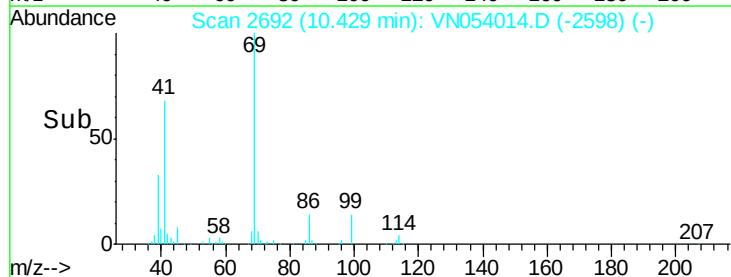
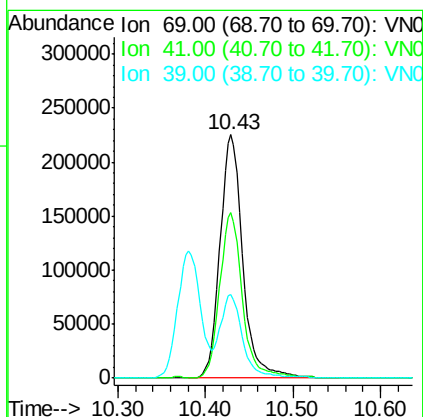
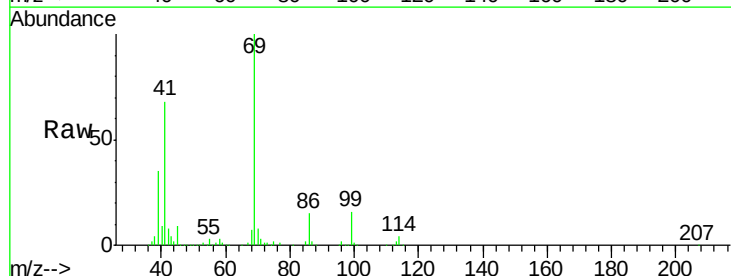
Manual Integrations
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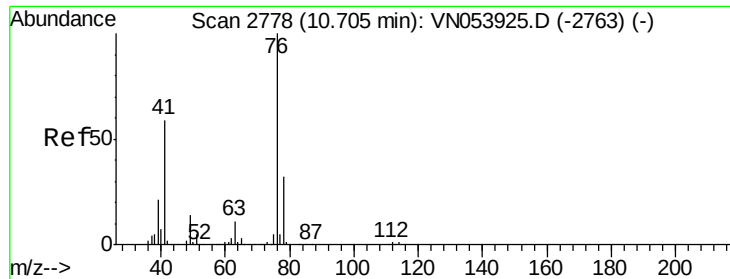
MMDadoda
 3/1/2019 4:10:30 PM



#56
 Ethyl methacrylate
 Concen: 47.086 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion:	69	Resp:	407620
Ion	Ratio	Lower	Upper
69	100		
41	67.3	47.5	71.3
39	33.8	23.4	35.0





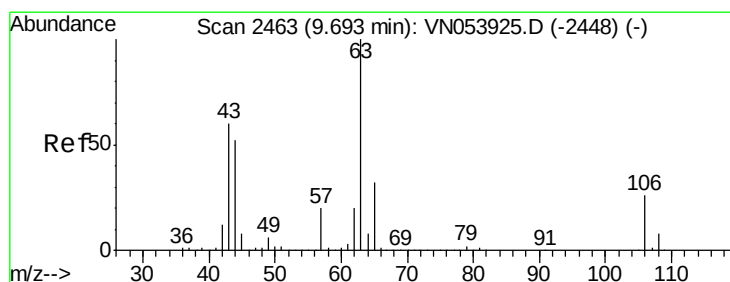
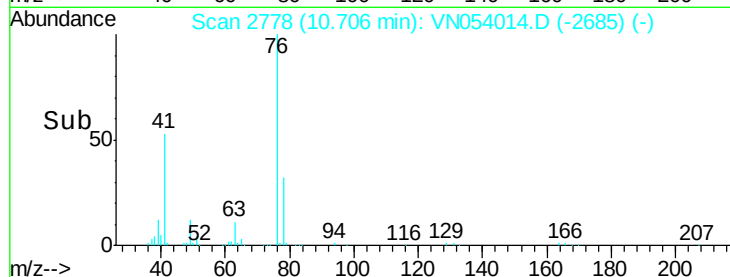
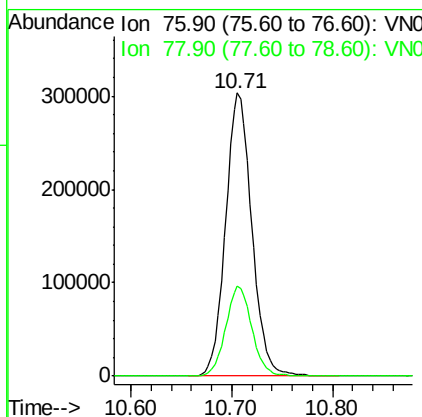
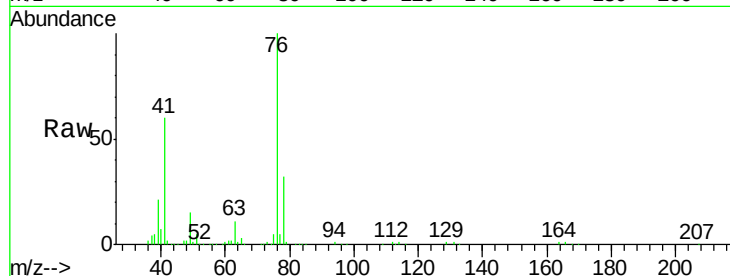
#57
 1,3-Dichloropropane
 Concen: 49.231 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 550567
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.2 37.8

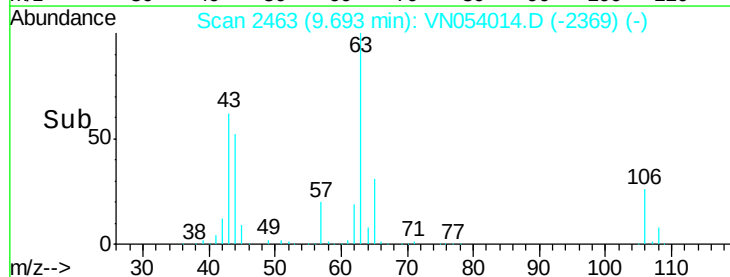
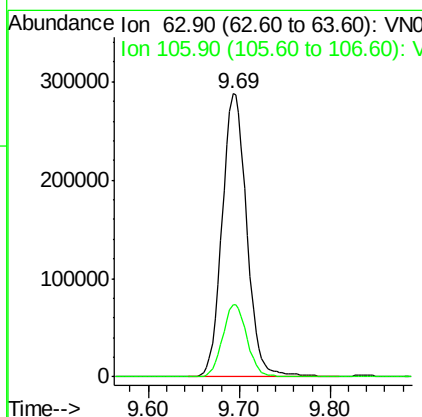
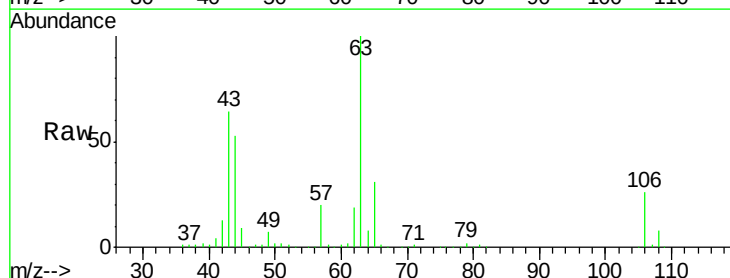
Manual Integrations
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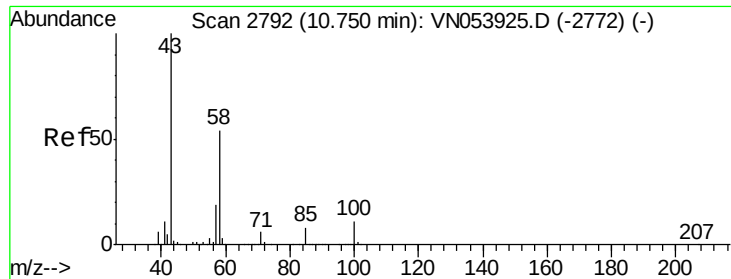
MMDadoda
 3/1/2019 4:10:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 140.523 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion: 63 Resp: 542307
 Ion Ratio Lower Upper
 63 100
 106 25.2 22.2 33.2





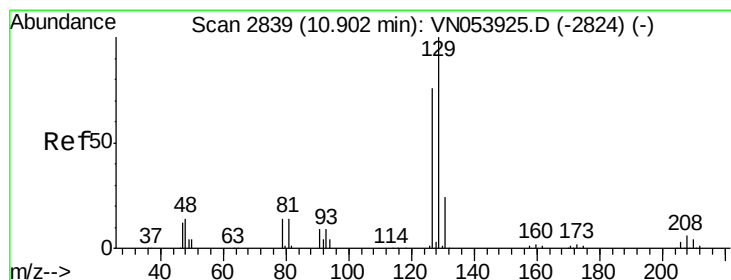
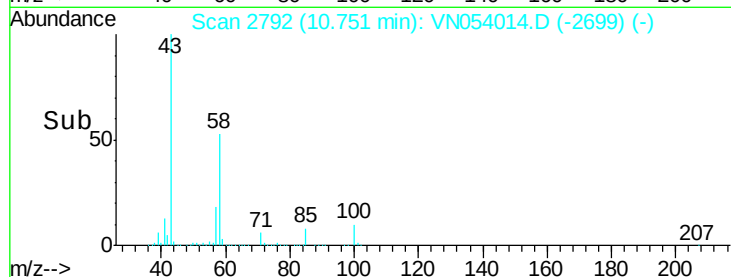
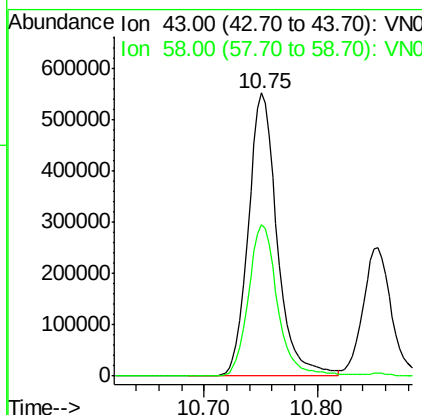
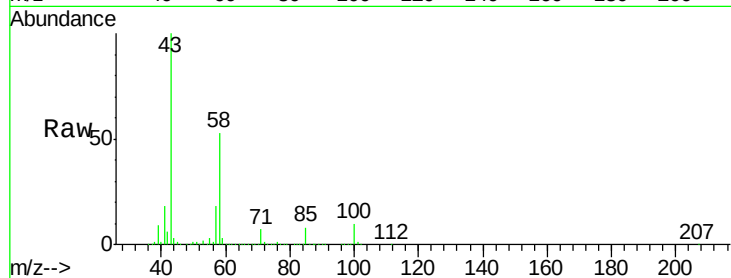
#59
2-Hexanone
Concen: 246.379 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 972622
Ion Ratio Lower Upper
43 100
58 54.1 29.1 87.4

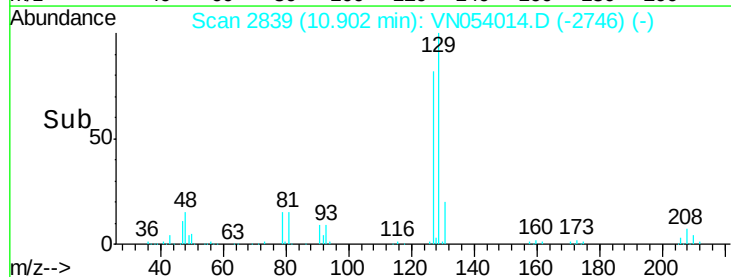
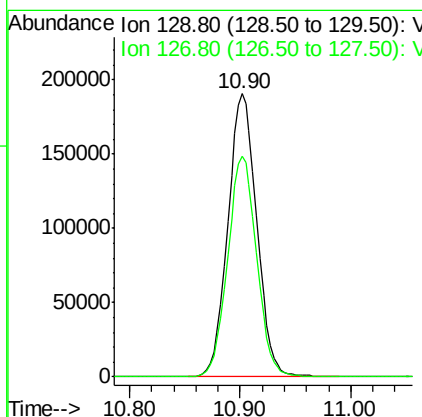
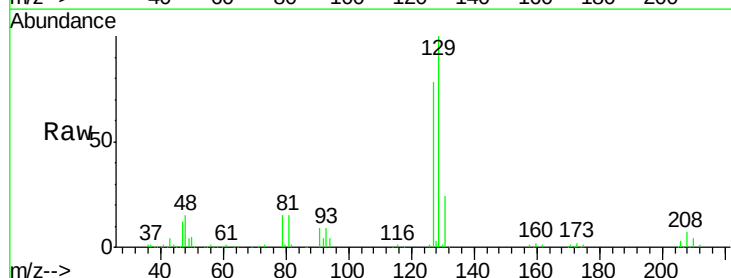
Manual Integrations
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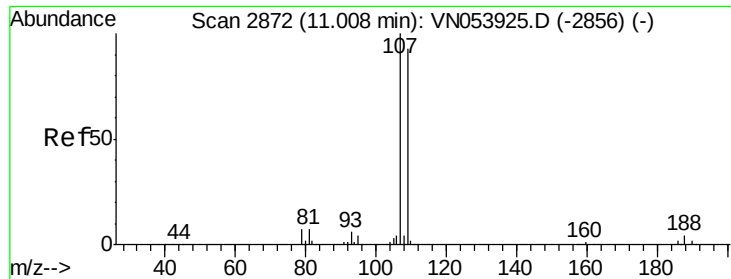
MMDadoda
3/1/2019 4:10:30 PM



#60
Dibromochloromethane
Concen: 47.064 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion: 129 Resp: 346201
Ion Ratio Lower Upper
129 100
127 78.2 38.8 116.3





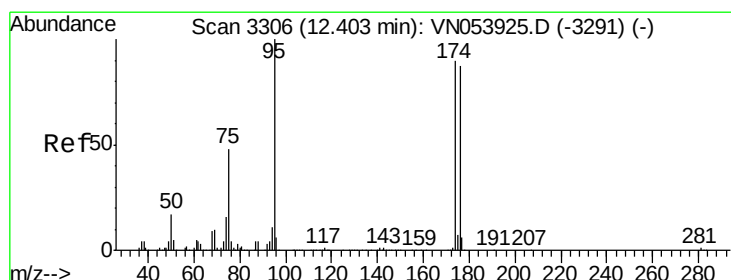
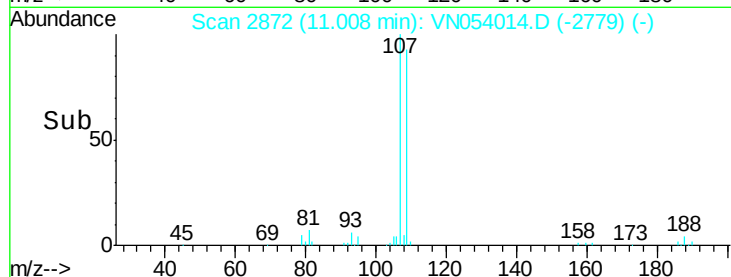
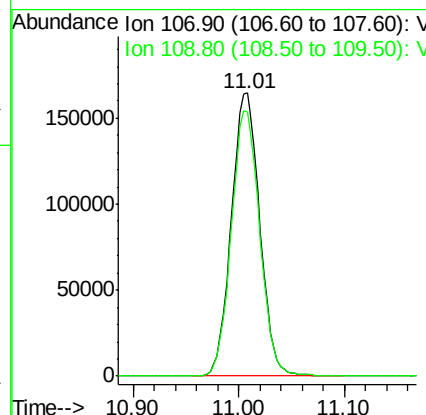
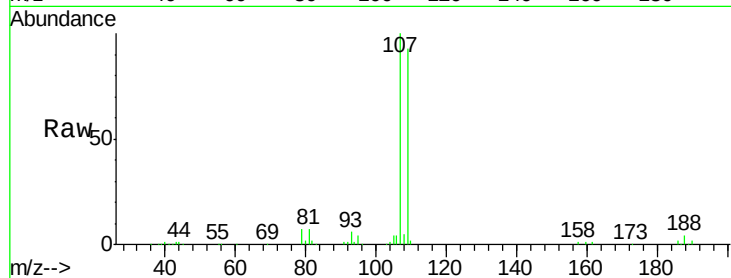
#61
 1,2-Dibromoethane
 Concen: 47.917 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	305948		
109	94.1	76.3	114.5	

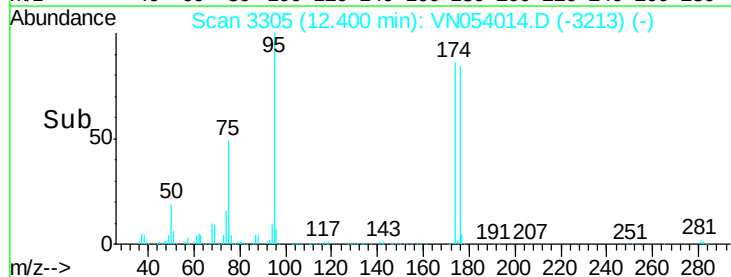
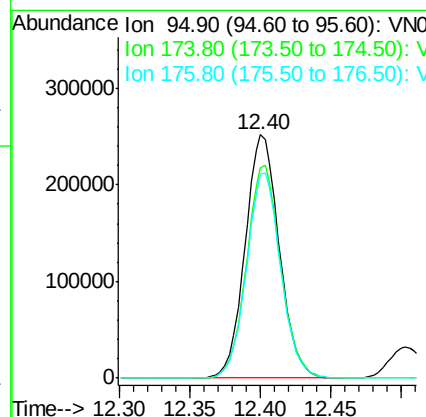
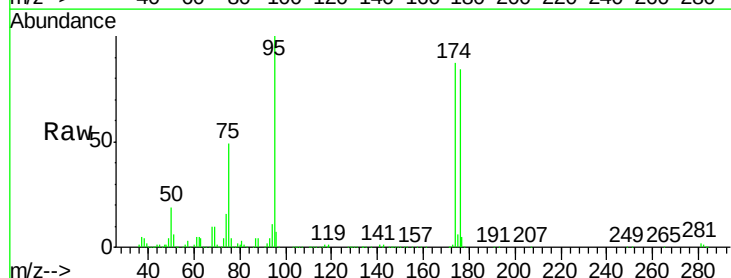
Manual Integrations
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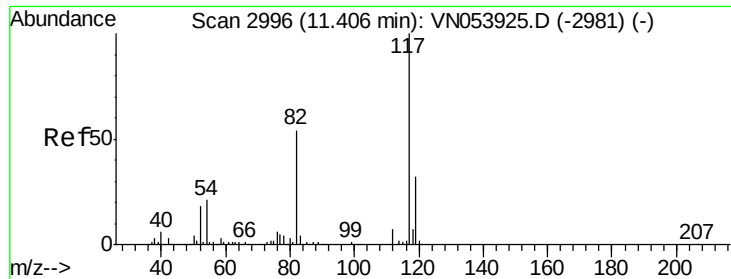
MMDadoda
 3/1/2019 4:10:30 PM



#62
 4-Bromofluorobenzene
 Concen: 50.434 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	426148		
174	87.5	0.0	188.8	
176	84.4	0.0	182.6	





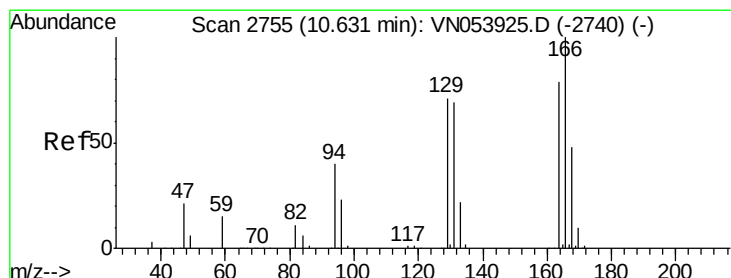
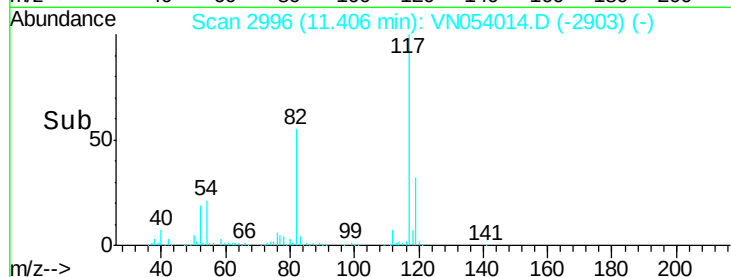
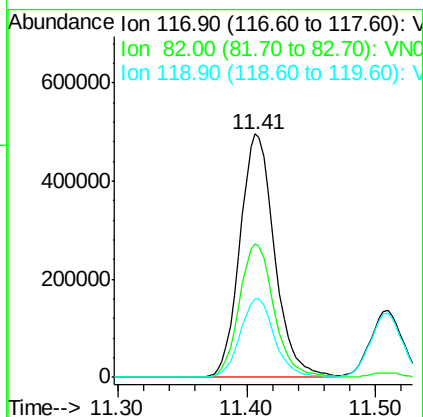
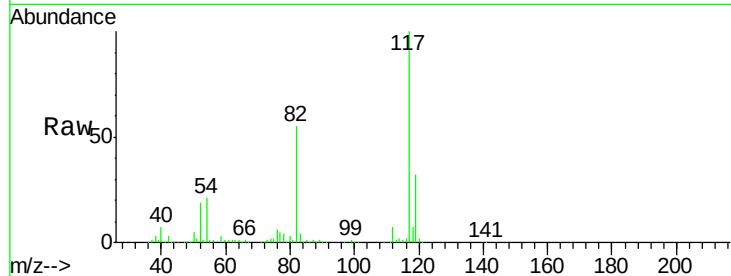
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	41.4	62.2
119	32.4	25.3	37.9

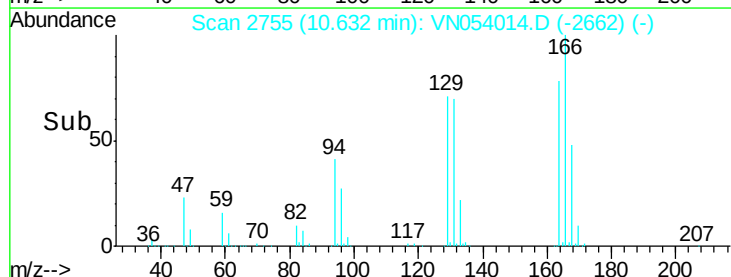
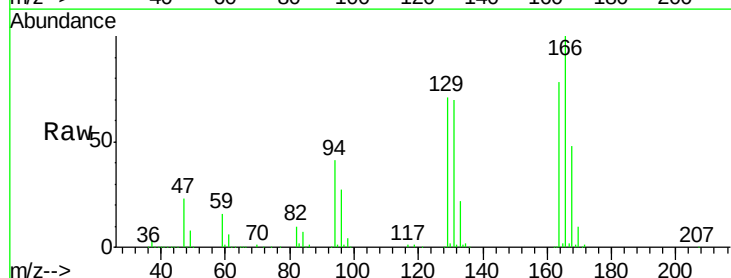
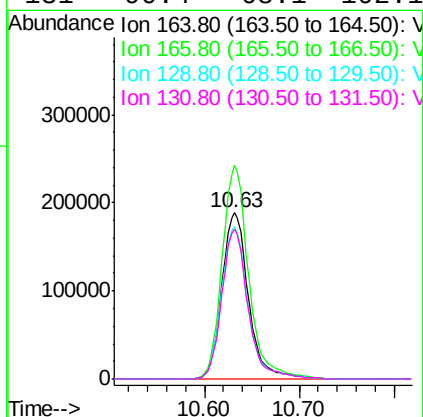
Manual Integrations
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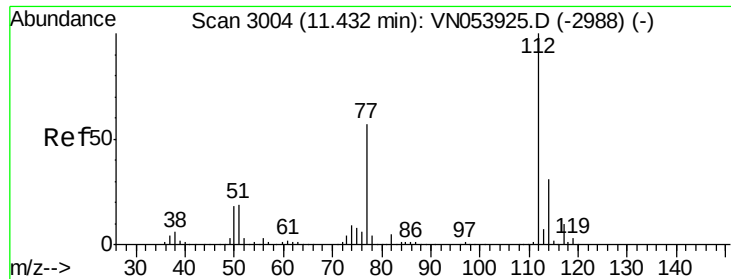
MMDadoda
3/1/2019 4:10:30 PM



#64
Tetrachloroethene
Concen: 47.196 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	102.6	153.8
129	91.5	69.4	104.0
131	90.4	68.1	102.1





#65

Chlorobenzene

Concen: 47.374 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 927289

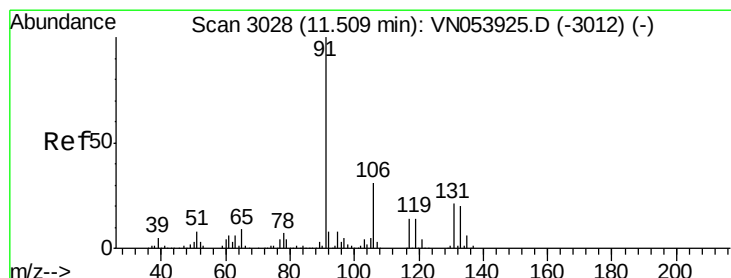
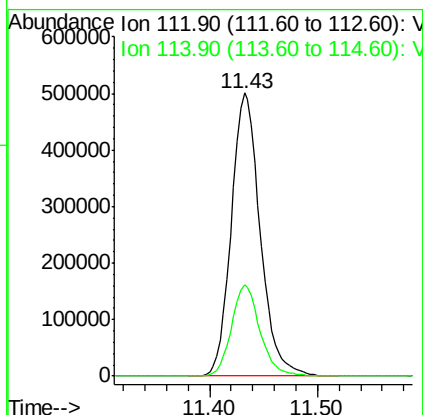
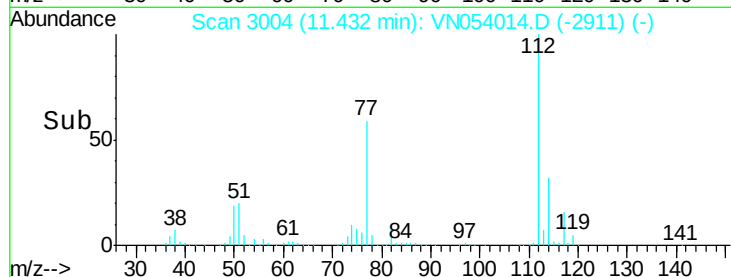
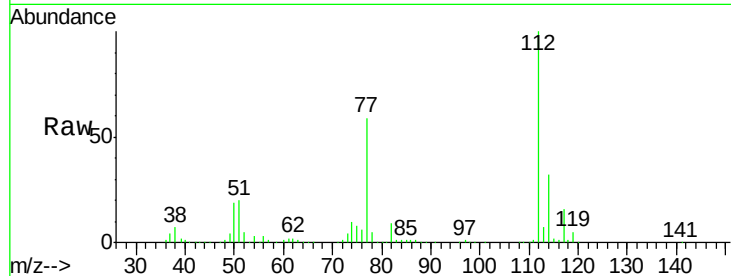
Ion Ratio Lower Upper

112 100

114 32.2 25.7 38.5

Manual Integrations
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MMDadoda
3/1/2019 4:10:30 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 48.408 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

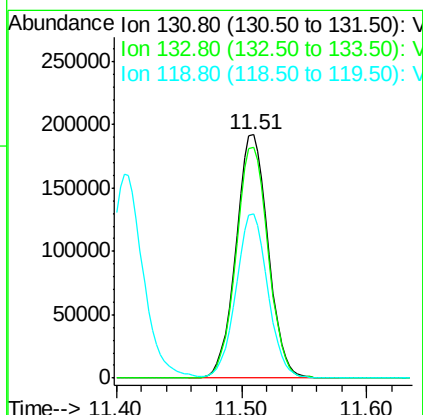
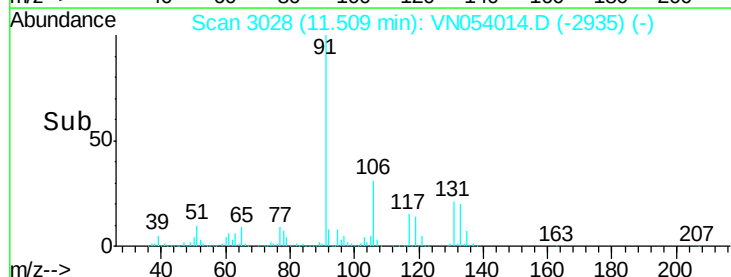
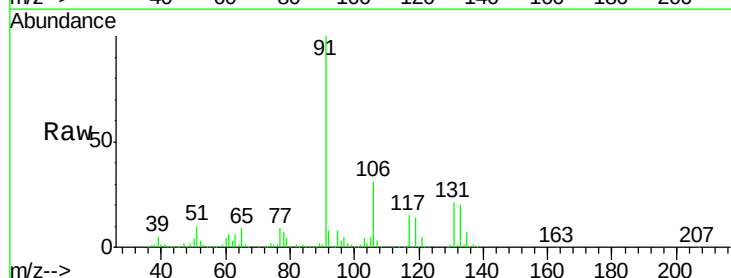
Tgt Ion:131 Resp: 341494

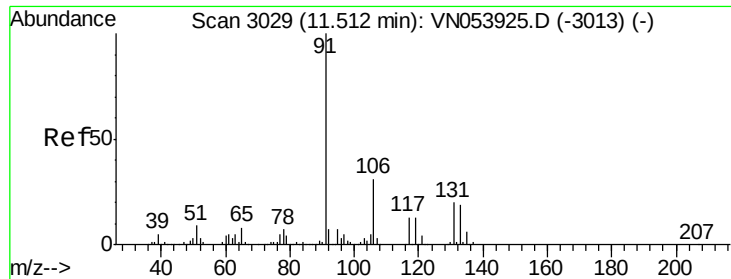
Ion Ratio Lower Upper

131 100

133 95.0 47.7 143.1

119 66.9 33.1 99.3





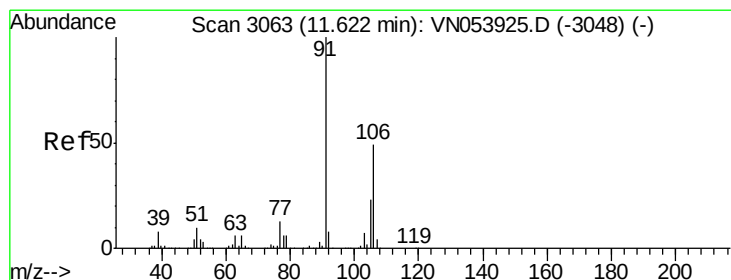
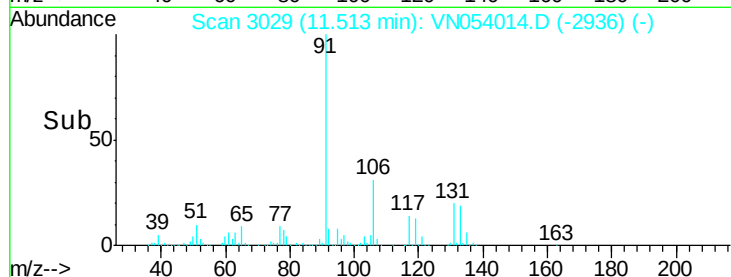
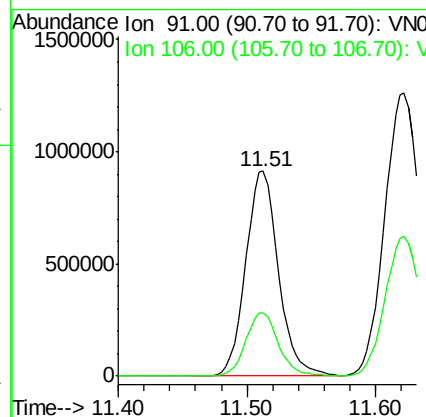
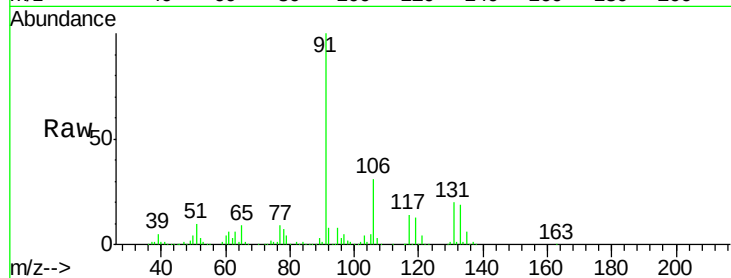
#67
Ethyl Benzene
Concen: 49.317 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1618285
Ion Ratio Lower Upper
91 100
106 30.8 25.2 37.8

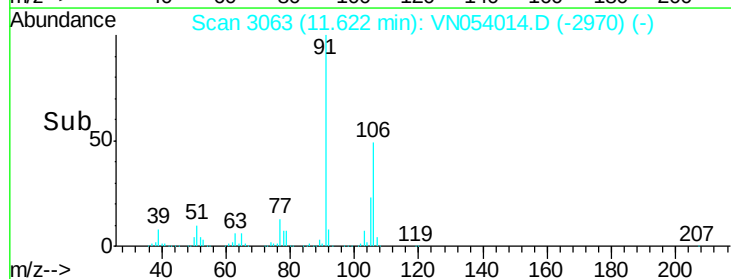
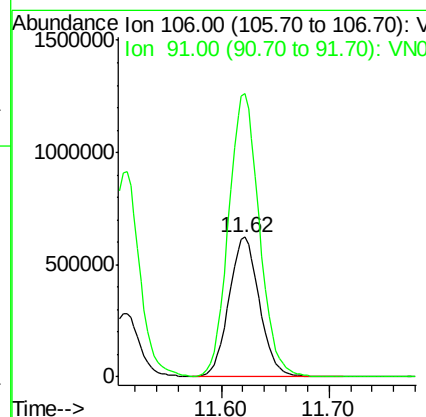
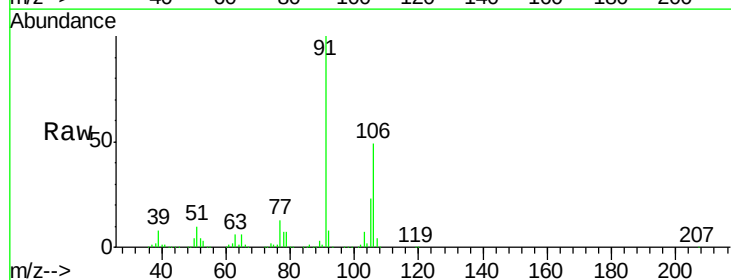
Manual Integrations
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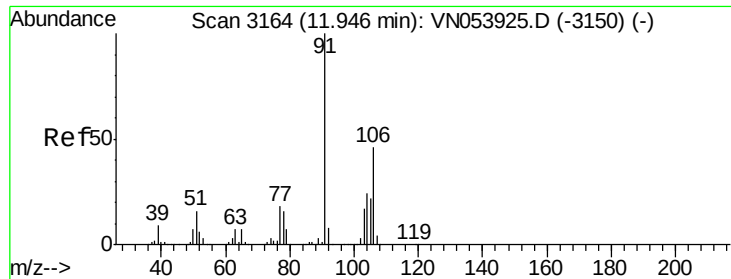
MMDadoda
3/1/2019 4:10:30 PM



#68
m/p-Xylenes
Concen: 98.973 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion: 106 Resp: 1225755
Ion Ratio Lower Upper
106 100
91 204.2 158.9 238.3





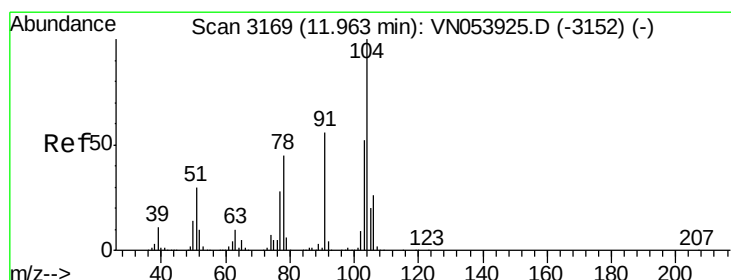
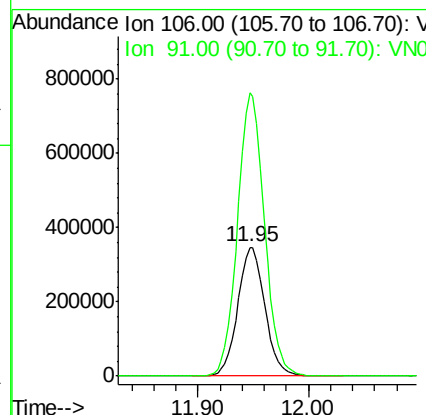
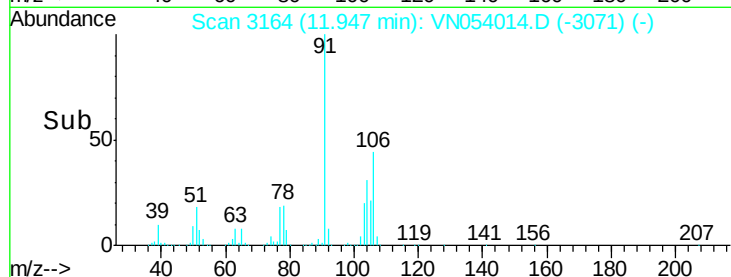
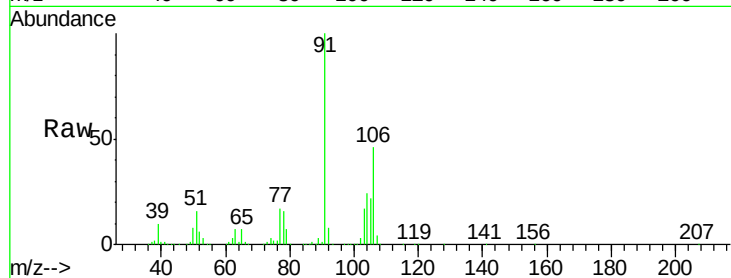
#69
o-Xylene
Concen: 48.535 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 590627
Ion Ratio Lower Upper
106 100
91 218.7 106.0 318.0

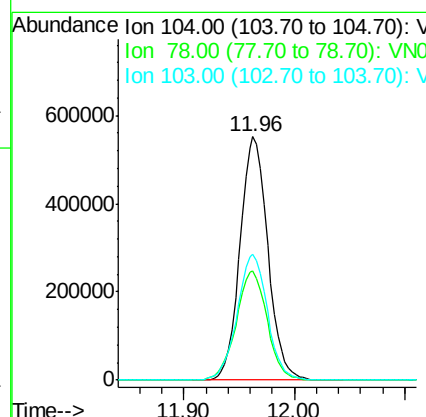
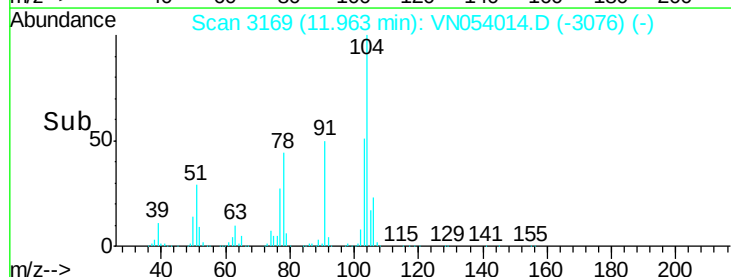
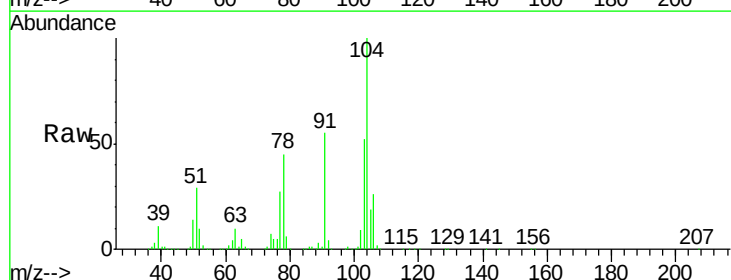
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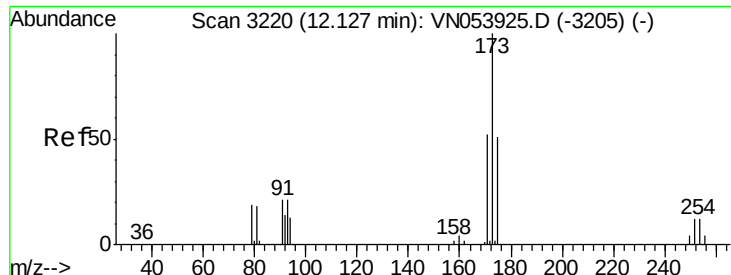
MMDadoda
3/1/2019 4:10:30 PM



#70
Styrene
Concen: 51.637 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion:104 Resp: 966505
Ion Ratio Lower Upper
104 100
78 49.9 38.1 57.1
103 56.0 44.6 67.0





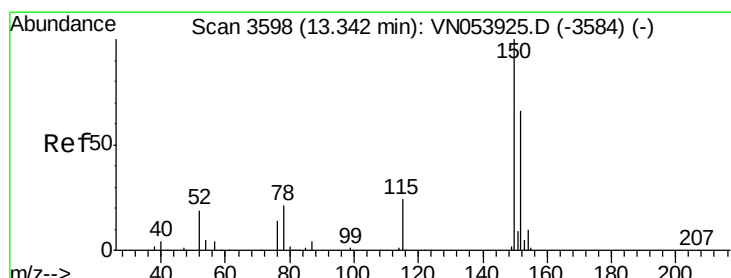
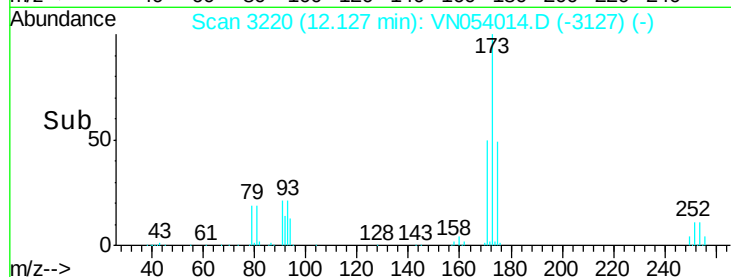
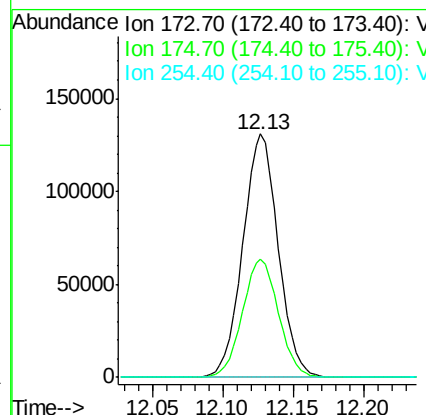
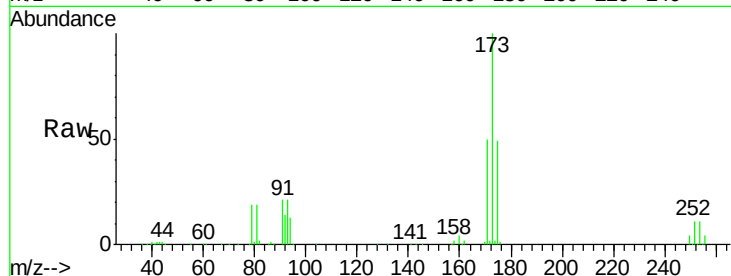
#71
Bromoform
Concen: 46.800 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	72.8
254	0.0	0.2	0.2

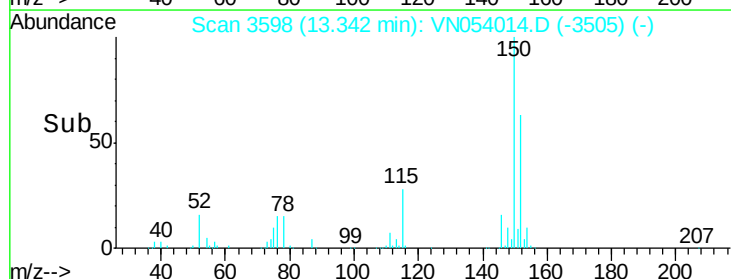
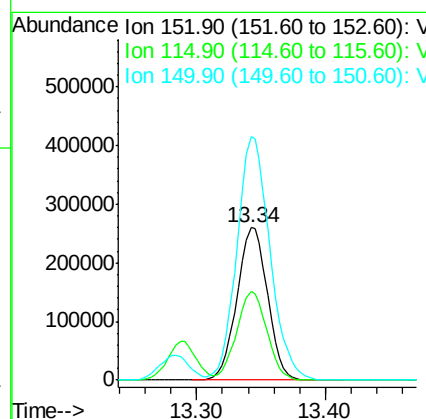
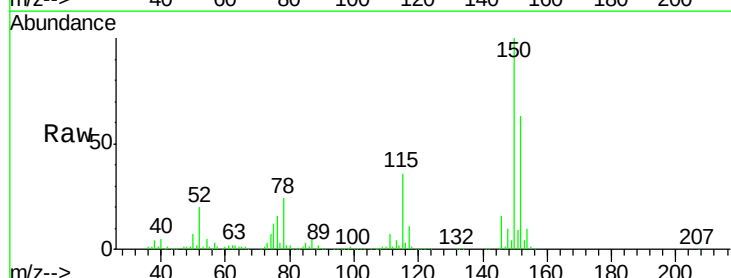
Manual Integrations
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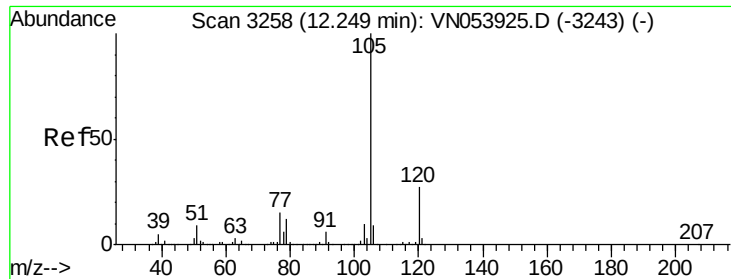
MMDadoda
3/1/2019 4:10:30 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	27.2	81.6
150	172.8	0.0	348.2





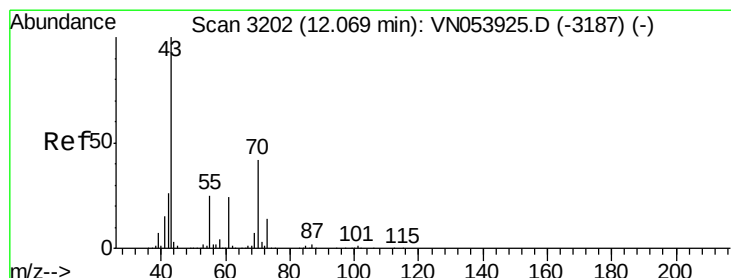
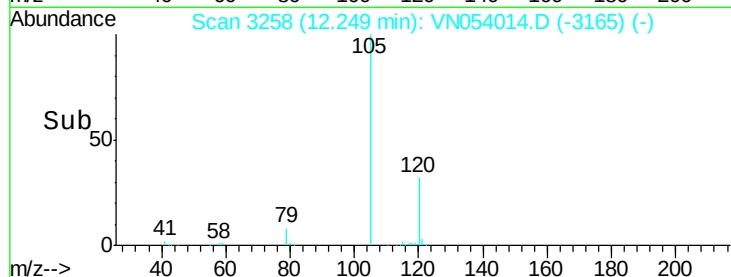
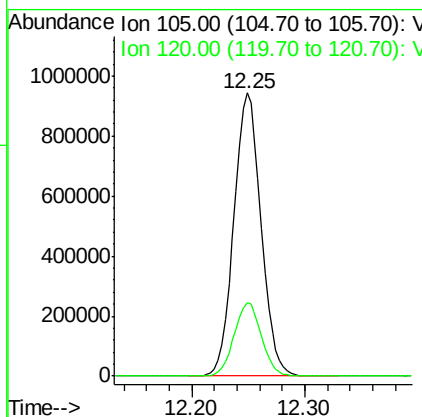
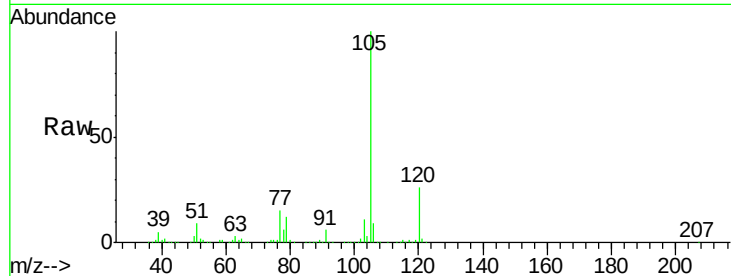
#73
Isopropylbenzene
Concen: 47.314 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1573821
Ion Ratio Lower Upper
105 100
120 26.1 13.5 40.5

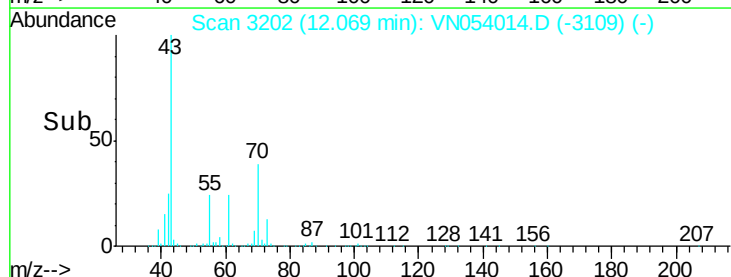
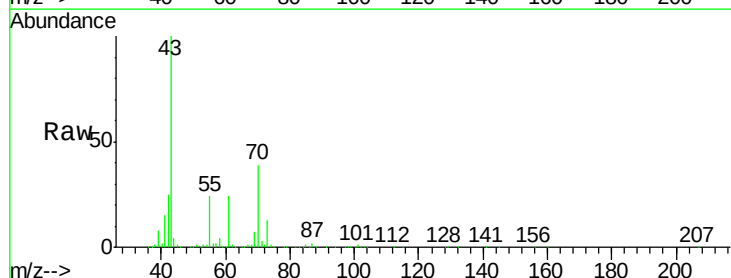
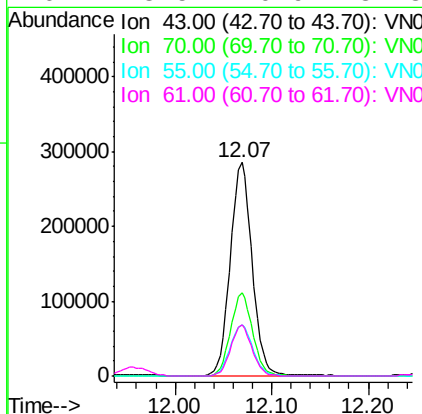
Manual Integrations
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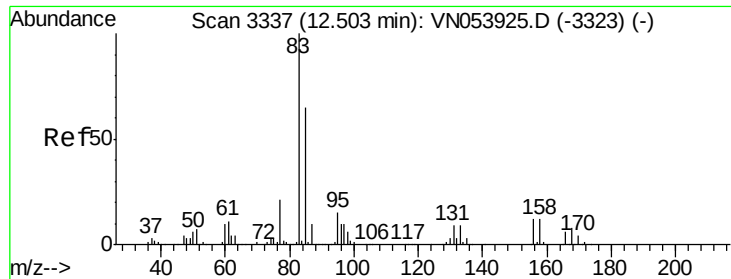
MMDadoda
3/1/2019 4:10:30 PM



#74
N-ethyl acetate
Concen: 51.175 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054014.D
Acq: 28 Feb 2019 19:41

Tgt Ion: 43 Resp: 446152
Ion Ratio Lower Upper
43 100
70 39.7 37.4 56.2
55 25.0 21.4 32.0
61 23.5 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 45.333 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

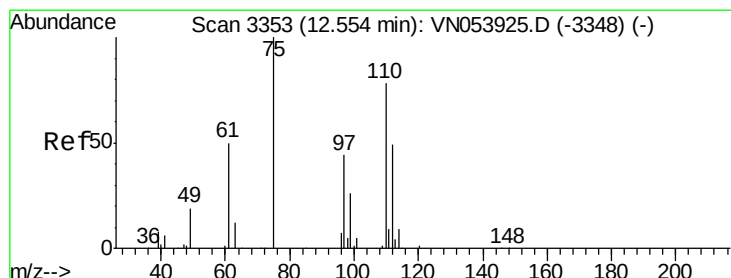
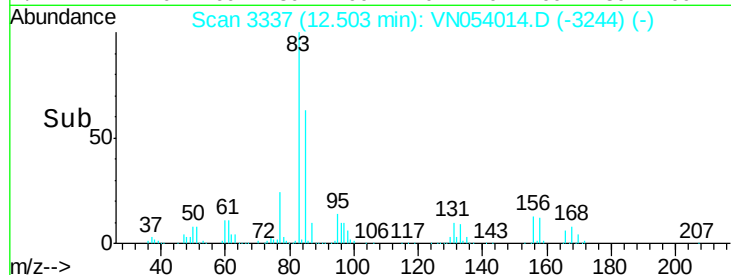
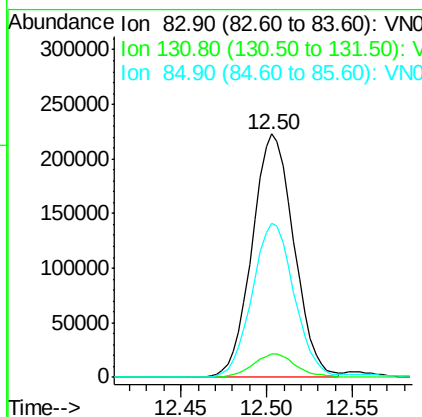
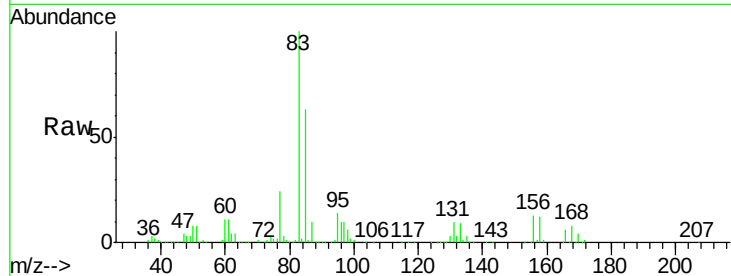
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	377085
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.3	16.1
85	63.6	31.9	95.9

Manual Integrations
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3/1/2019 4:10:30 PM



#76

1,2,3-Trichloropropane

Concen: 46.356 ug/l m

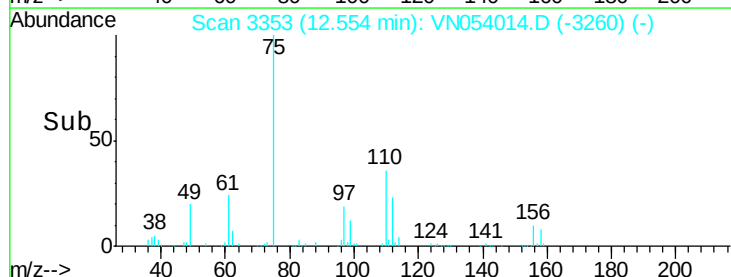
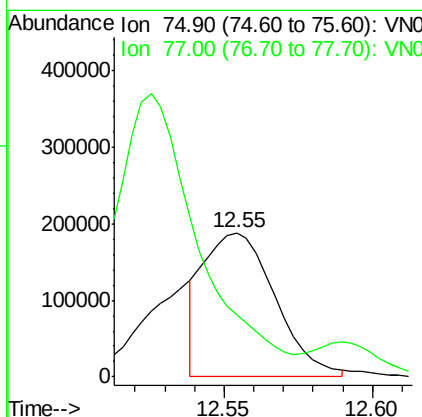
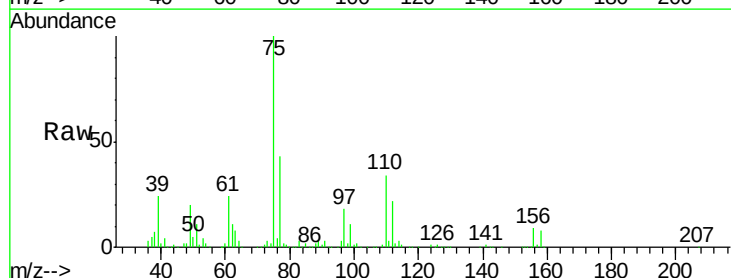
RT: 12.55 min Scan# 3353

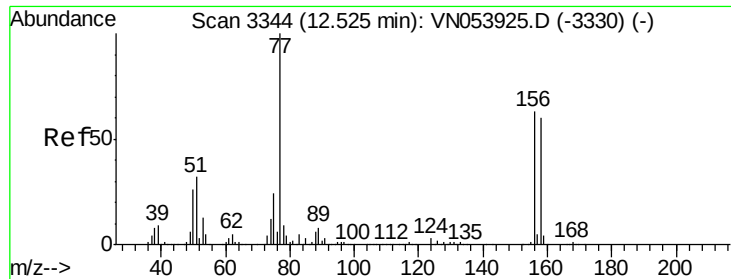
Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Tgt Ion:	75	Resp:	317761
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.042 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

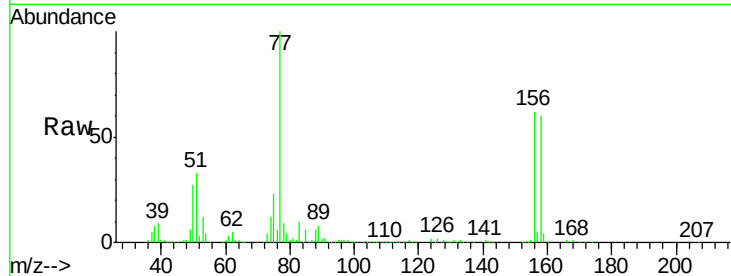
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	405725
Ion Ratio	Lower	Upper	
156	100		
77	182.5	84.0	252.2
158	94.3	48.5	145.6

Manual Integrations
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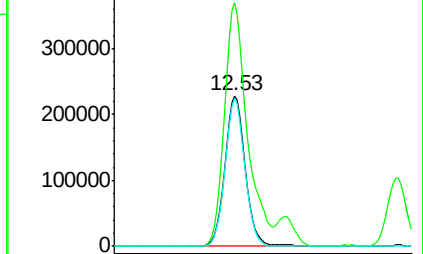
MMDadoda
3/1/2019 4:10:30 PM



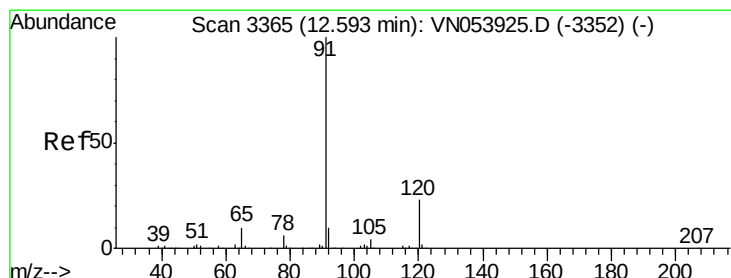
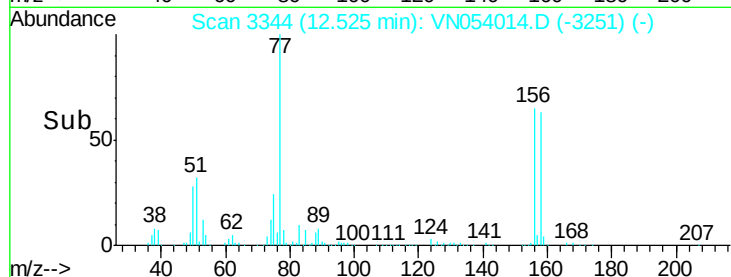
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 49.089 ug/l

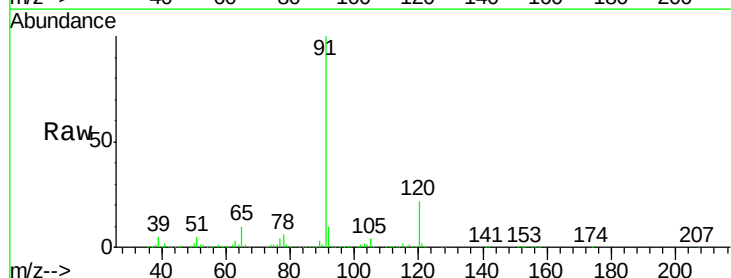
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054014.D

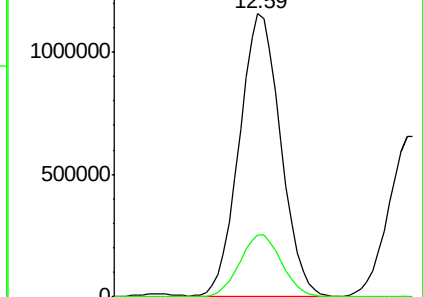
Acq: 28 Feb 2019 19:41

Tgt Ion:	91	Resp:	1857002
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.9	35.9

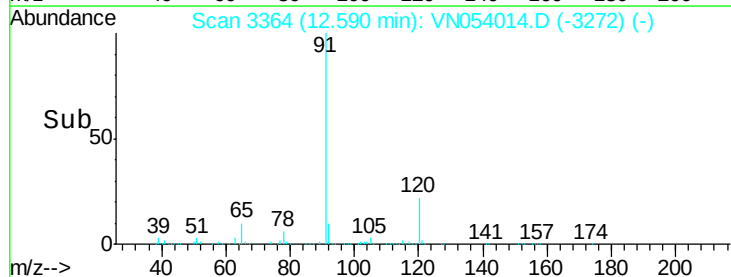


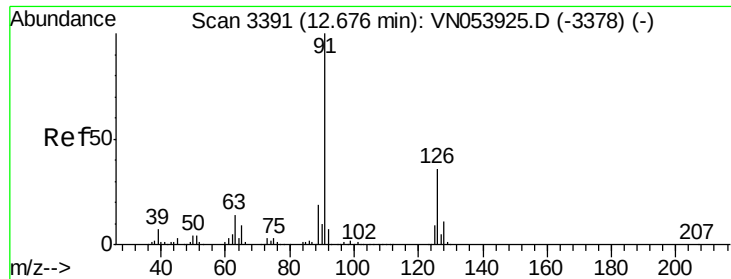
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 47.468 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1078707

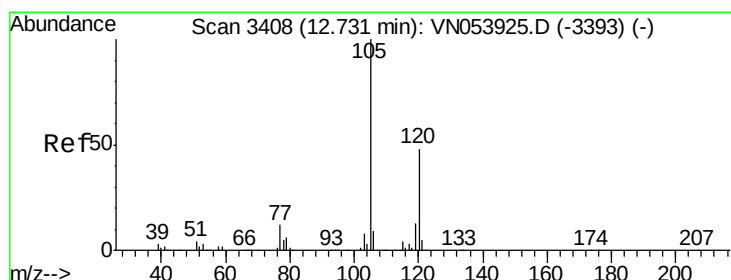
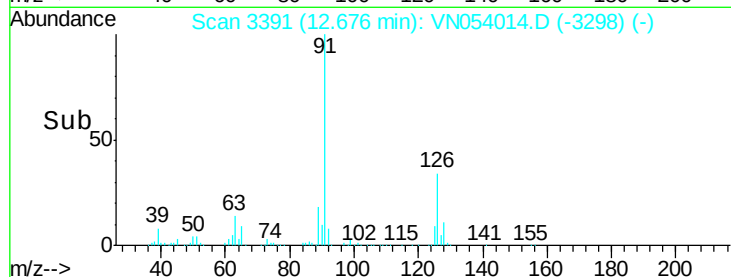
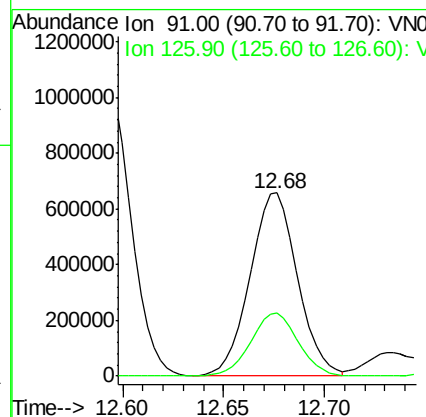
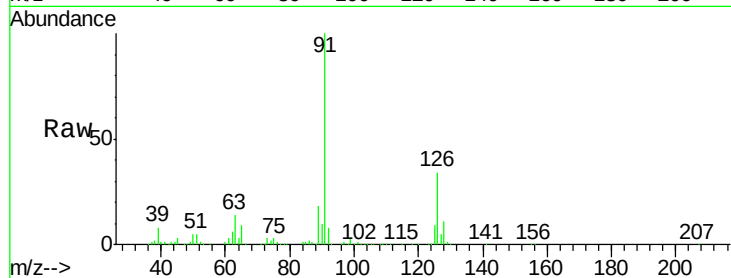
Ion Ratio Lower Upper

91 100

126 34.7 18.1 54.4

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 48.563 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054014.D

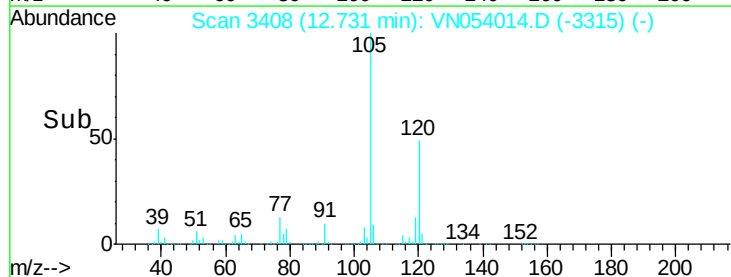
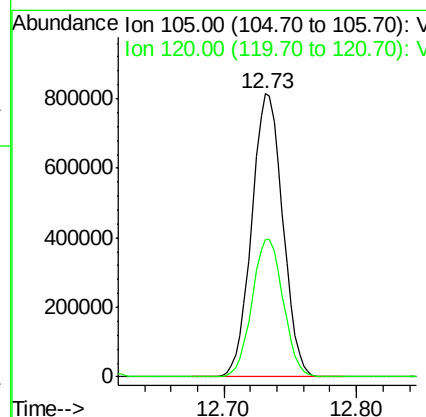
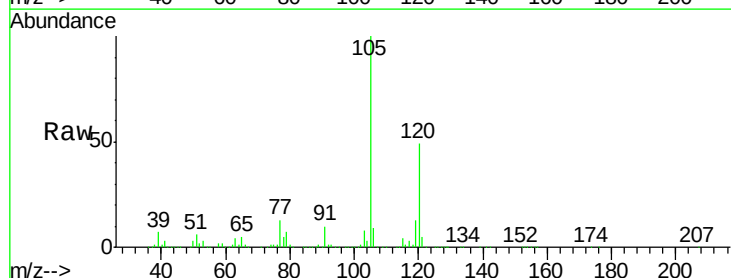
Acq: 28 Feb 2019 19:41

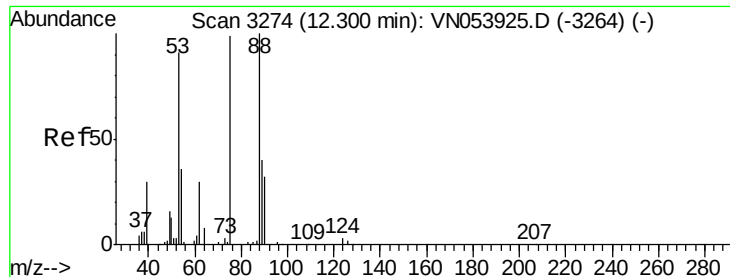
Tgt Ion: 105 Resp: 1322452

Ion Ratio Lower Upper

105 100

120 48.9 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 47.301 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

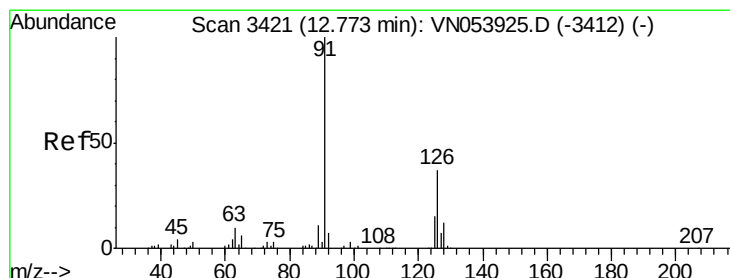
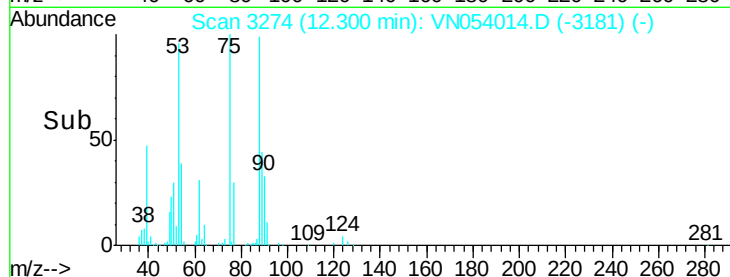
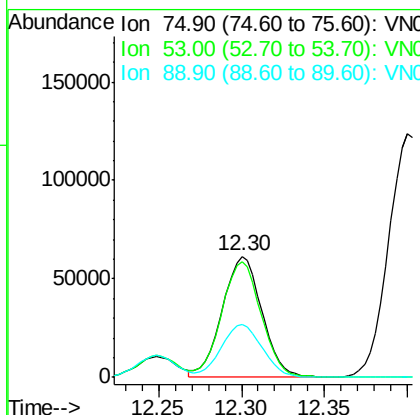
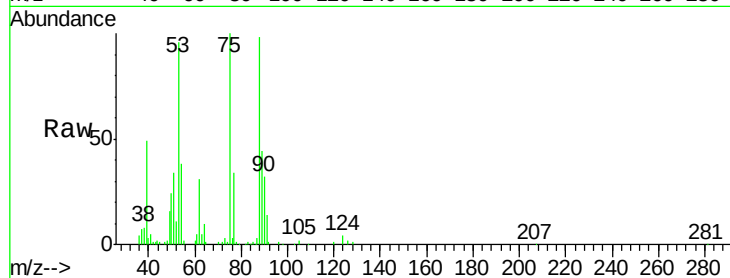
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	102587
Ion	Ratio	Lower	Upper
75	100		
53	94.8	68.6	102.8
89	45.0	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.645 ug/l

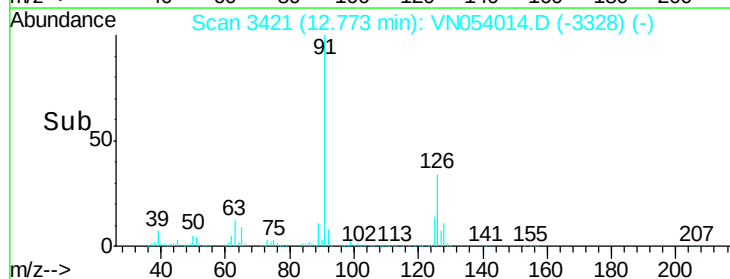
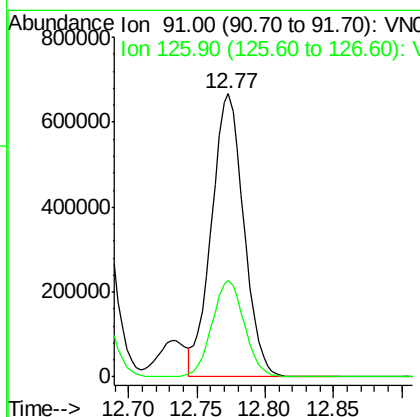
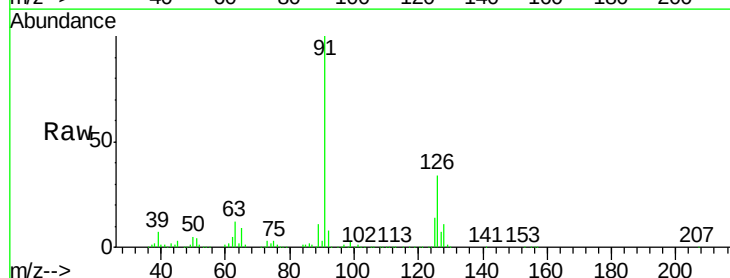
RT: 12.77 min Scan# 3421

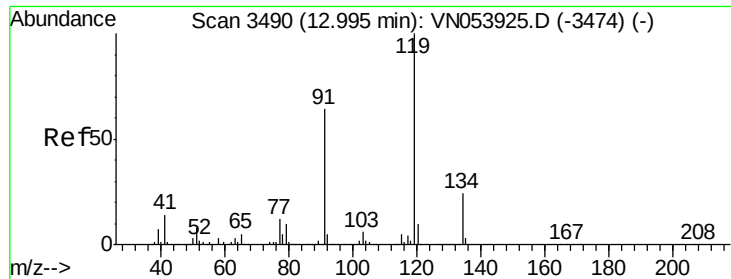
Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Tgt Ion:	91	Resp:	1092558
Ion	Ratio	Lower	Upper
91	100		
126	34.2	18.0	54.0





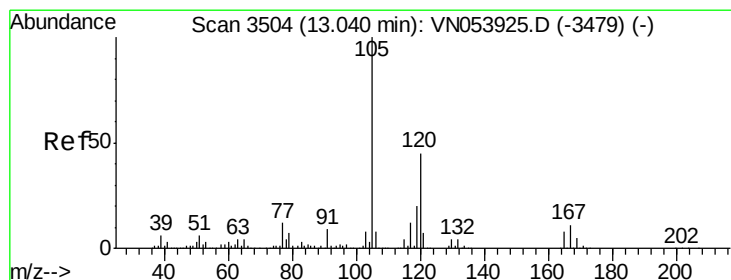
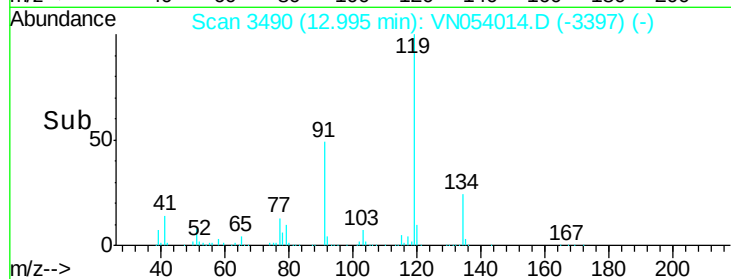
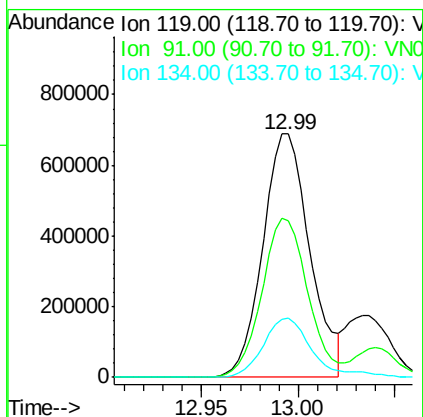
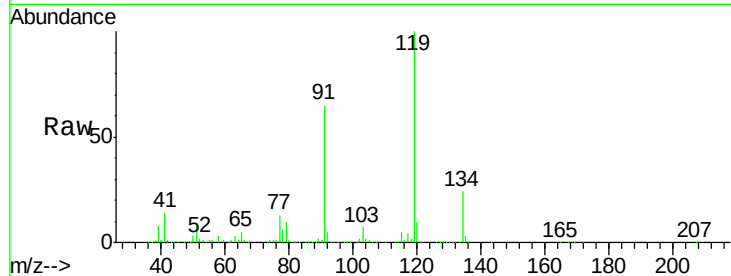
#83
 tert-Butylbenzene
 Concen: 48.449 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	30.6	91.8
134	25.5	13.0	39.0

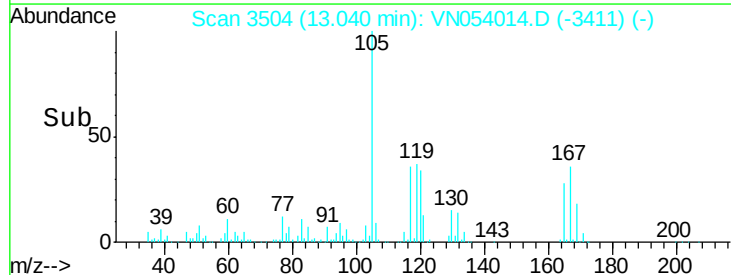
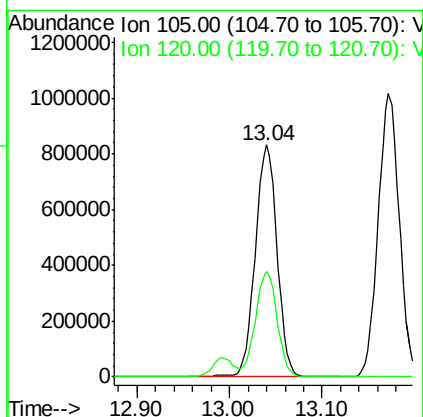
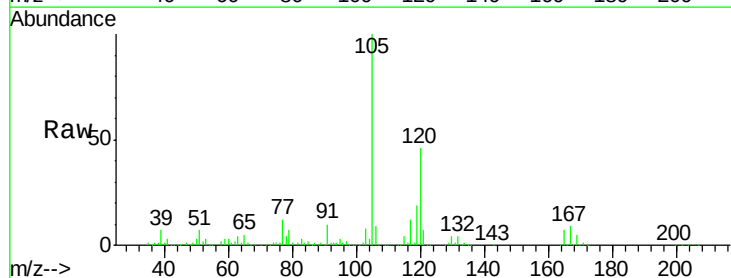
Manual Integrations
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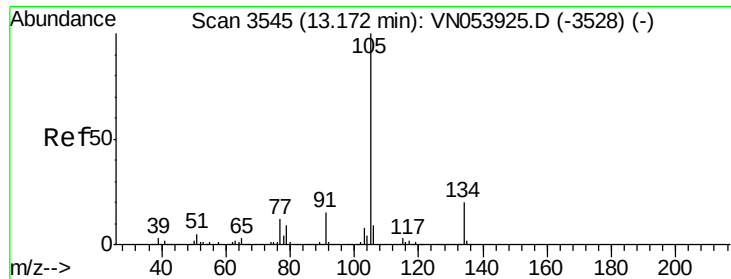
MMDadoda
 3/1/2019 4:10:30 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.775 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.2	69.5





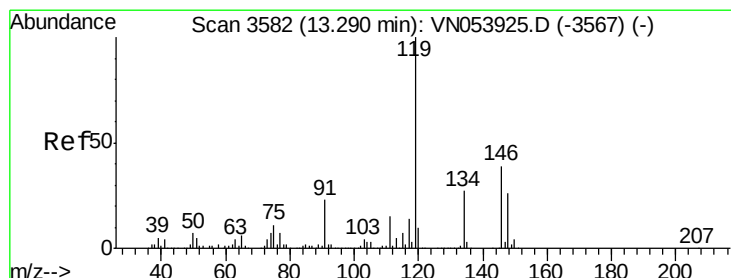
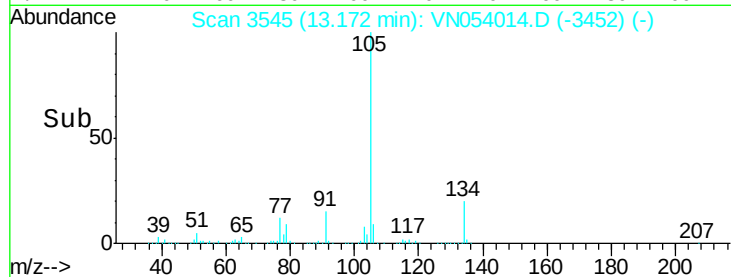
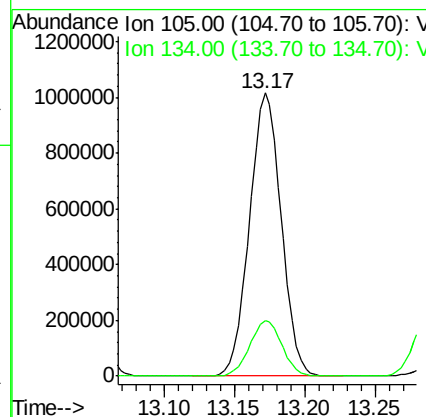
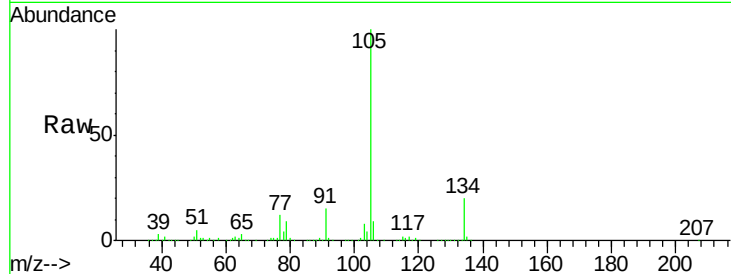
#85
 sec-Butylbenzene
 Concen: 48.636 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.4	31.1

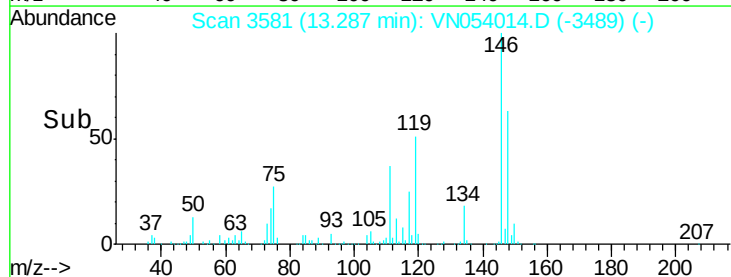
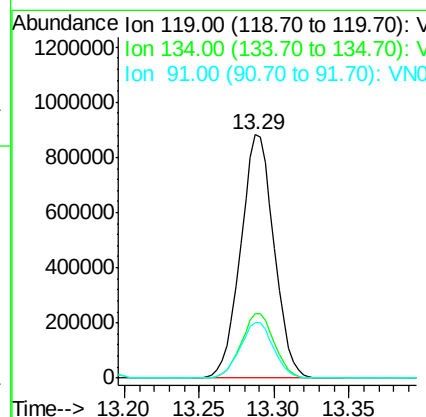
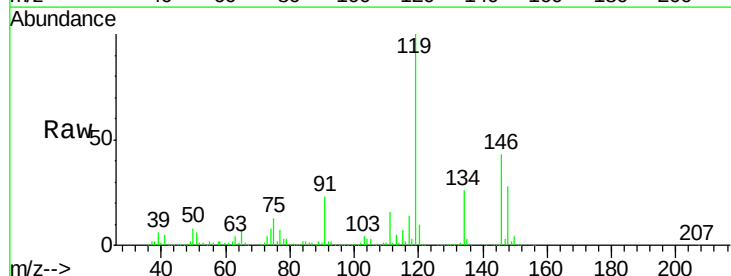
Manual Integrations
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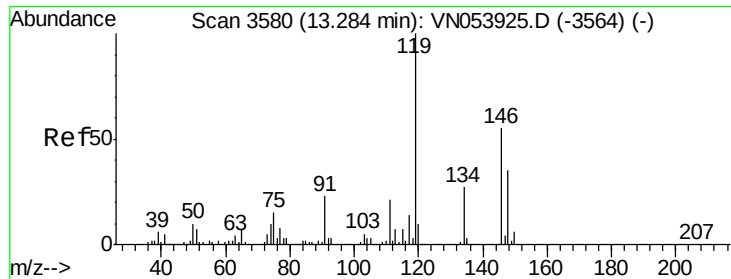
MMDadoda
 3/1/2019 4:10:30 PM



#86
 p-Isopropyltoluene
 Concen: 48.965 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.5	40.4
91	22.9	10.9	32.6





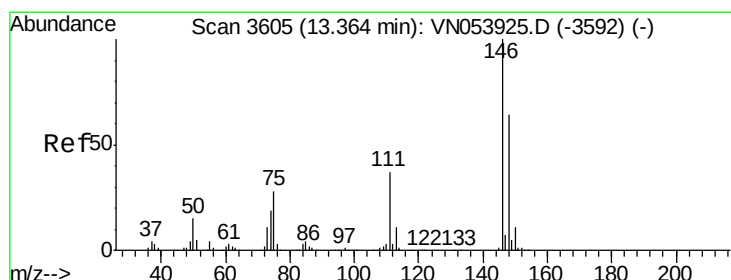
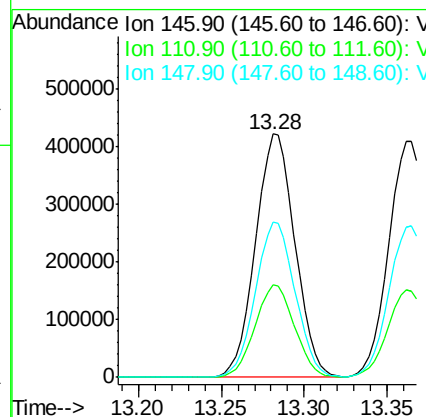
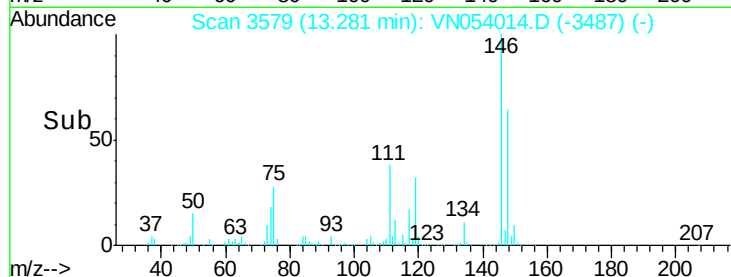
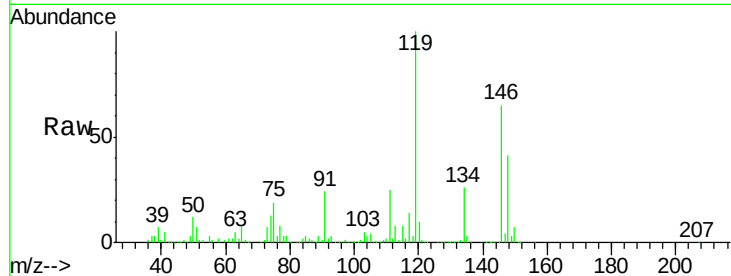
#87
 1,3-Dichlorobenzene
 Concen: 47.821 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.7	56.1
148	63.9	32.0	96.2

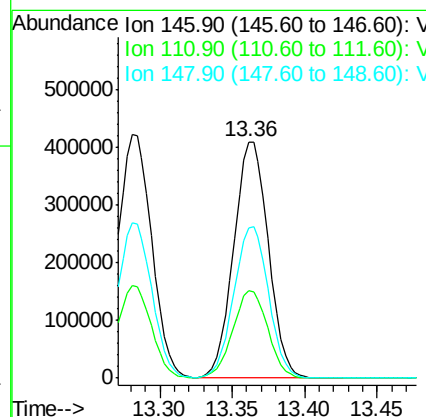
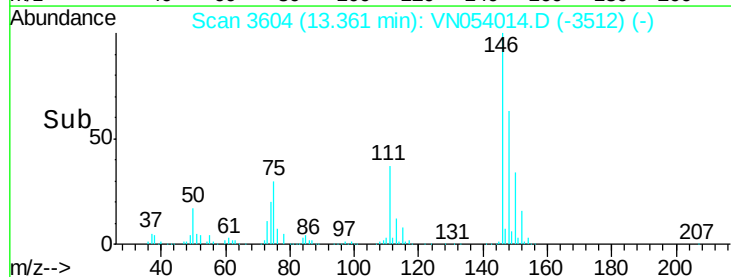
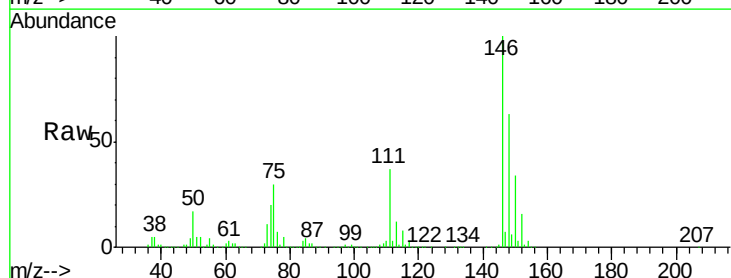
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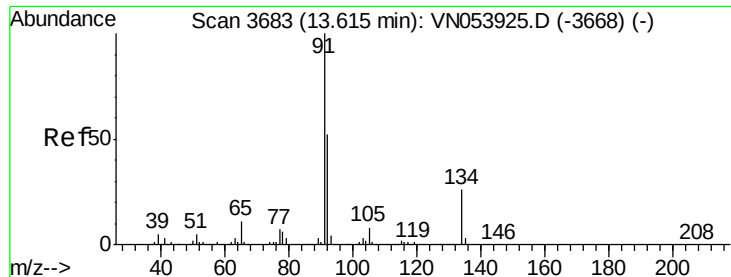
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 3/1/2019 4:10:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.058 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.0	54.0
148	64.3	32.1	96.5





#89

n-Butylbenzene

Concen: 50.896 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 1192819

Ion Ratio Lower Upper

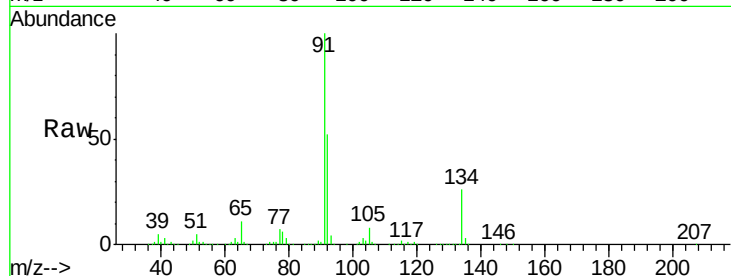
91 100

92 51.5 26.1 78.2

134 25.5 13.6 40.8

Manual Integrations
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3/1/2019 4:10:30 PM

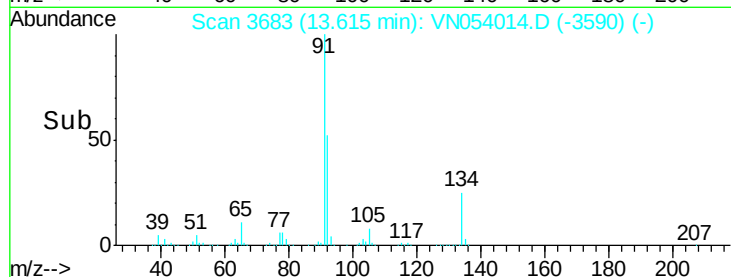


Abundance Ion 91.00 (90.70 to 91.70): VN053925.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053925.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053925.D (-3668) (-)

Time--> 13.50 13.60 13.70

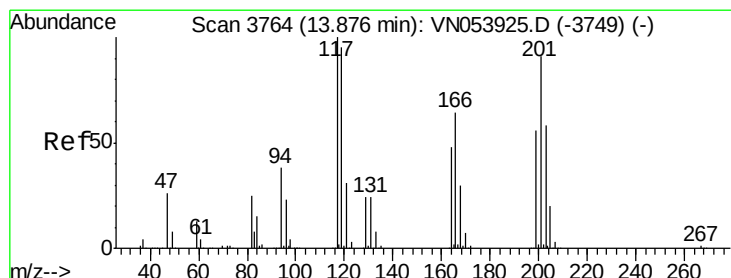


Abundance Ion 91.00 (90.70 to 91.70): VN054014.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN054014.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN054014.D (-3590) (-)

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 45.771 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054014.D

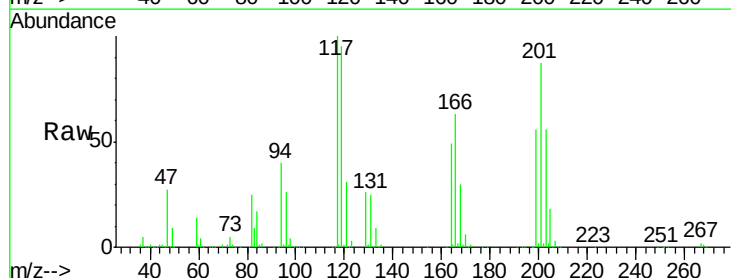
Acq: 28 Feb 2019 19:41

Tgt Ion: 117 Resp: 246655

Ion Ratio Lower Upper

117 100

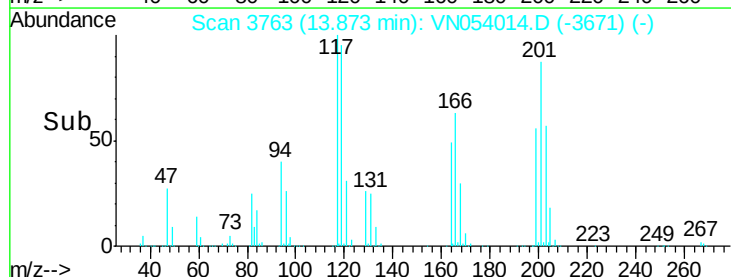
201 87.2 48.0 144.2



Abundance Ion 116.80 (116.50 to 117.50): VN053925.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053925.D (-3749) (-)

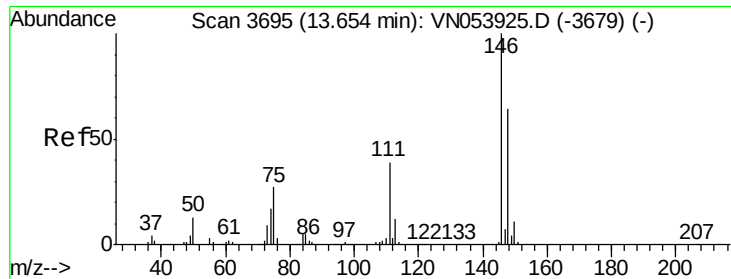
Time--> 13.80 13.85 13.90 13.95



Abundance Ion 116.80 (116.50 to 117.50): VN054014.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN054014.D (-3671) (-)

Time--> 13.80 13.85 13.90 13.95



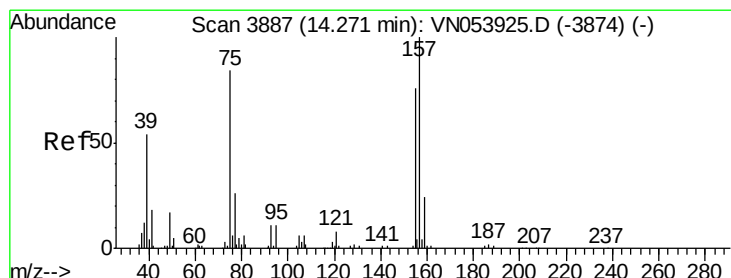
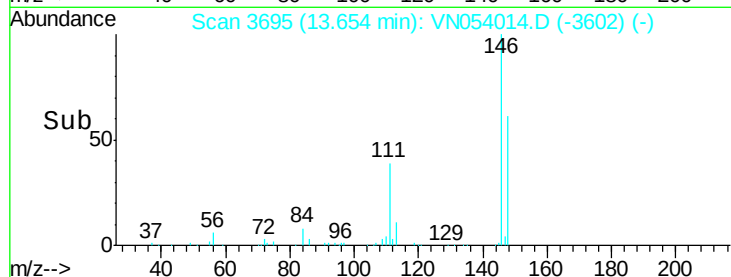
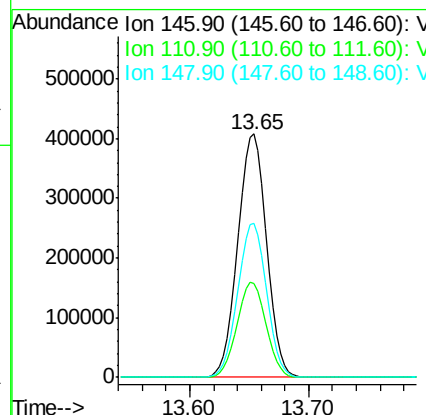
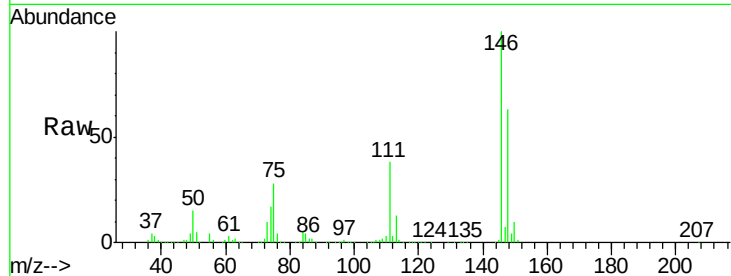
#91
 1,2-Dichlorobenzene
 Concen: 48.375 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.5
148	63.4	32.1	96.5

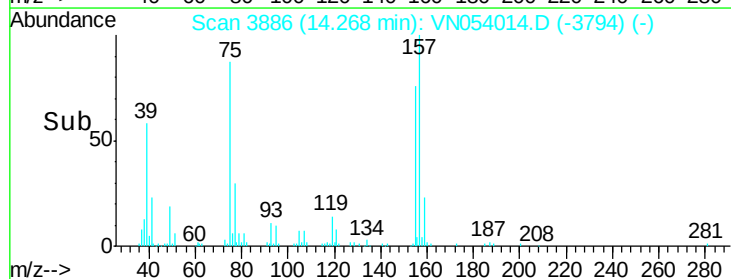
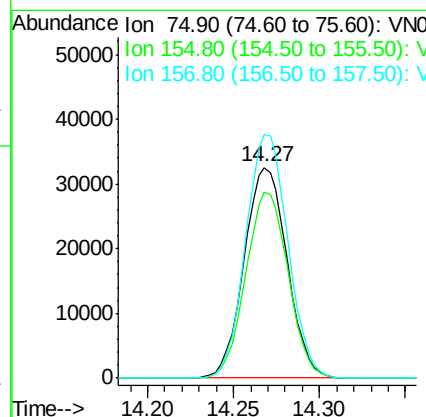
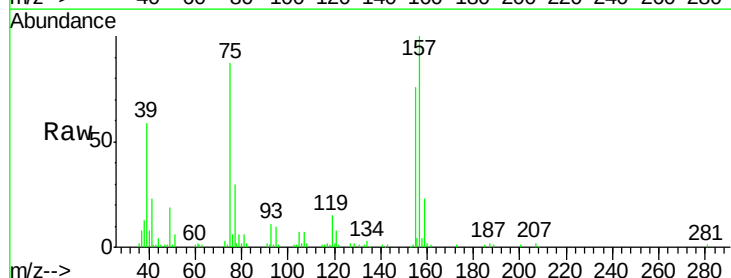
Manual Integrations
 APPROVED

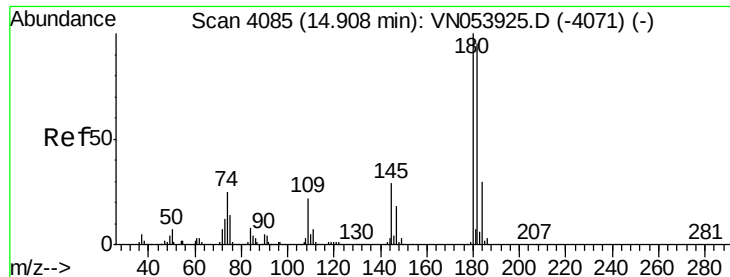
MMDadoda
 3/1/2019 4:10:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.964 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	49.5	148.5
157	113.7	64.8	194.6





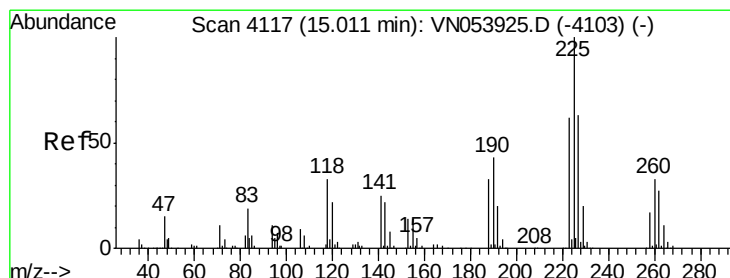
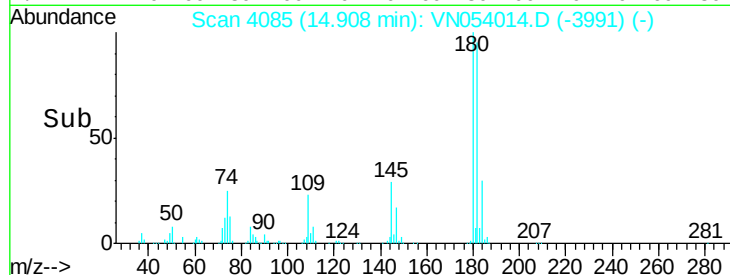
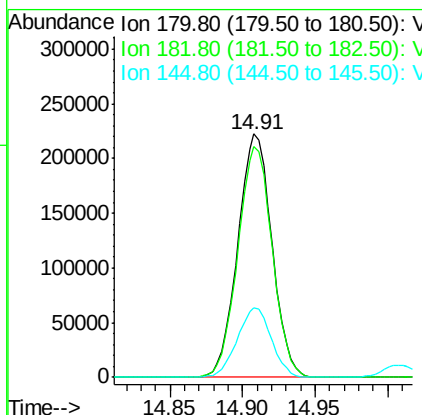
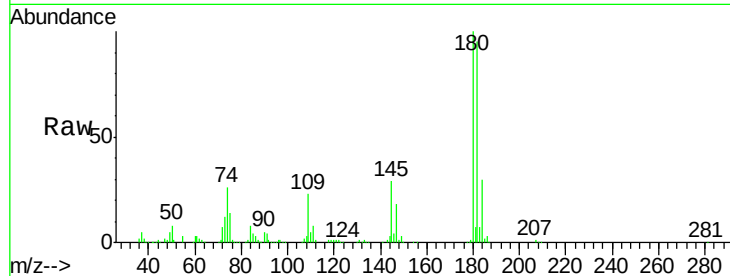
#93
 1,2,4-Trichlorobenzene
 Concen: 46.370 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	362874		
182	95.7	48.6	145.9	
145	28.6	13.8	41.3	

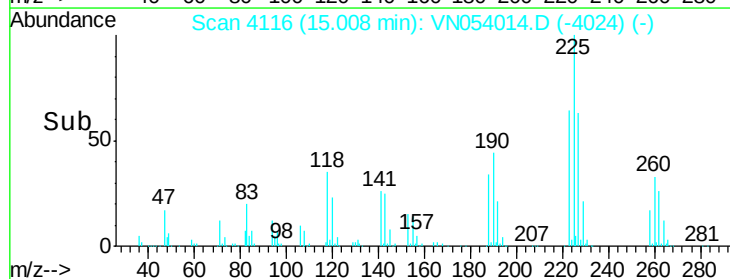
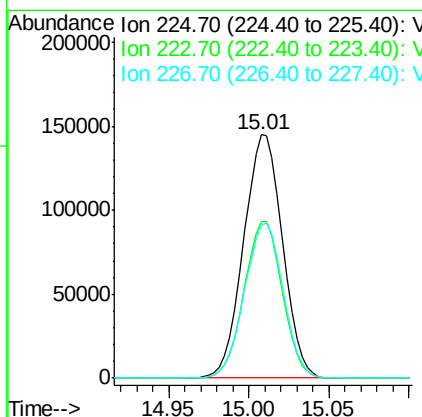
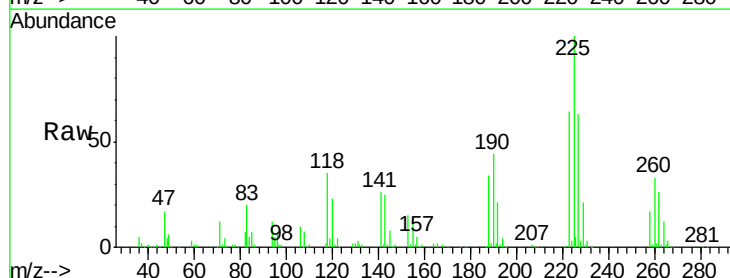
Manual Integrations
 APPROVED

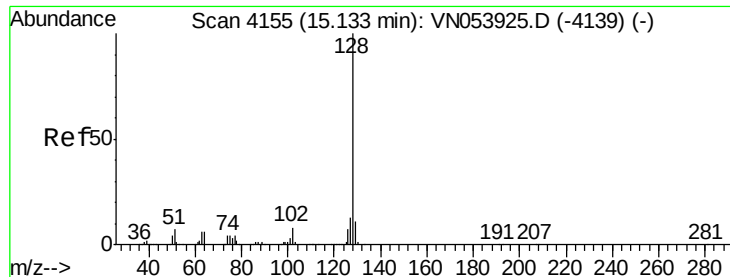
MMDadoda
 3/1/2019 4:10:30 PM



#94
 Hexachlorobutadiene
 Concen: 47.169 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054014.D
 Acq: 28 Feb 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	240966		
223	63.2	30.9	92.5	
227	63.4	32.5	97.4	





#95

Naphthalene

Concen: 44.730 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Instrument :

MSVOA_N

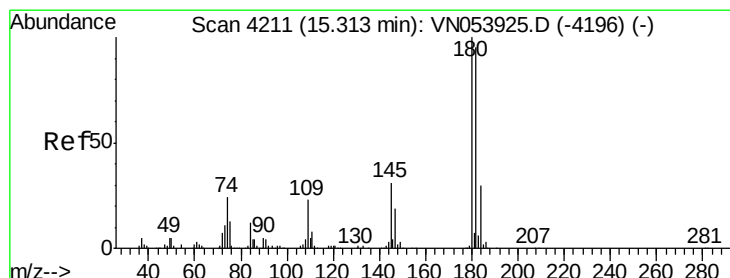
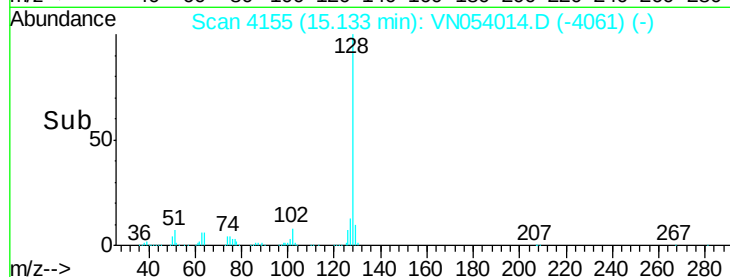
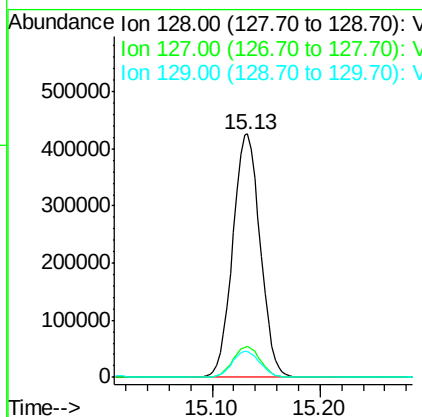
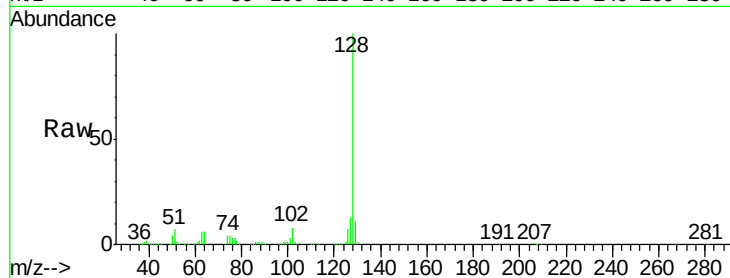
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	750680
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/1/2019 4:10:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 46.413 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054014.D

Acq: 28 Feb 2019 19:41

Tgt Ion:	180	Resp:	348795
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.3	141.8
145	30.3	14.4	43.0

