

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\
 Data File : VN053878.D
 Acq On : 21 Feb 2019 8:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 10:30:36 AM

Quant Time: Feb 22 03:45:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	694270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1002451	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	882026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	476855	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	331152	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
35) Dibromofluoromethane	7.59	113	322434	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	10.09	98	1215984	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.40	95	416856	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	283703	47.034	ug/l	99
3) Chloromethane	2.06	50	342727	45.704	ug/l	99
4) Vinyl Chloride	2.18	62	384712	47.792	ug/l	99
5) Bromomethane	2.57	94	282478	47.919	ug/l	99
6) Chloroethane	2.71	64	249189	47.898	ug/l	100
7) Trichlorofluoromethane	3.02	101	547197	47.871	ug/l	99
8) Diethyl Ether	3.41	74	178933	44.530	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	321754	46.706	ug/l	99
10) Methyl Iodide	3.95	142	470308	46.038	ug/l	100
11) Tert butyl alcohol	4.78	59	94710	213.824	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	299319	46.458	ug/l	100
13) Acrolein	3.61	56	35096	110.858	ug/l	99
14) Allyl chloride	4.32	41	466849	47.878	ug/l	100
15) Acrylonitrile	4.98	53	517030	231.709	ug/l	100
16) Acetone	3.82	43	508644	260.661	ug/l	99
17) Carbon Disulfide	4.05	76	927949	46.502	ug/l	100
18) Methyl Acetate	4.32	43	193425	41.999	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	768612	47.020	ug/l	100
20) Methylene Chloride	4.55	84	331981	45.442	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	325008	48.063	ug/l	98
22) Diisopropyl ether	5.95	45	902383	49.645	ug/l	99
23) Vinyl Acetate	5.89	43	3191496	244.236	ug/l	99
24) 1,1-Dichloroethane	5.85	63	577411	46.919	ug/l	99
25) 2-Butanone	6.83	43	602548	239.297	ug/l	98
26) 2,2-Dichloropropane	6.82	77	450992	48.293	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	362540	47.859	ug/l	99
28) Bromochloromethane	7.19	49	260122	48.430	ug/l	97
29) Tetrahydrofuran	7.21	42	371742	228.281	ug/l	99
30) Chloroform	7.37	83	576691	46.636	ug/l	99
31) Cyclohexane	7.65	56	551790	48.955	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	499335	47.196	ug/l	99
36) 1,1-Dichloropropene	7.79	75	459532	50.011	ug/l	98
37) Ethyl Acetate	6.92	43	247490	44.771	ug/l	99
38) Carbon Tetrachloride	7.77	117	449729	49.026	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	566767	53.529	ug/l	99
40) Benzene	8.04	78	1361471	50.120	ug/l	99
41) Methacrylonitrile	7.17	41	114177	37.788	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	396604	48.975	ug/l	99
43) Isopropyl Acetate	8.16	43	419951	42.847	ug/l #	87
44) Trichloroethene	8.83	130	391271	51.454	ug/l	97
45) 1,2-Dichloropropane	9.12	63	349639	50.416	ug/l	98
46) Dibromomethane	9.21	93	208374	49.901	ug/l	99
47) Bromodichloromethane	9.40	83	441528	50.122	ug/l	98
48) Methyl methacrylate	9.20	41	208272	49.562	ug/l	93
49) 1,4-Dioxane	9.20	88	65644	965.365	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1145128	227.992	ug/l	99
52) Toluene	10.16	92	829610	51.536	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	447683	52.336	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	524735	52.046	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	289406	49.180	ug/l	98
56) Ethyl methacrylate	10.43	69	336651	44.753	ug/l	100
57) 1,3-Dichloropropane	10.71	76	492619	49.718	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	764854	226.297	ug/l	99
59) 2-Hexanone	10.75	43	762837	248.078	ug/l	100
60) Dibromochloromethane	10.90	129	346060	50.381	ug/l	99
61) 1,2-Dibromoethane	11.00	107	284533	48.669	ug/l	99
64) Tetrachloroethene	10.63	164	388748	49.289	ug/l	98
65) Chlorobenzene	11.43	112	914088	49.512	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	339975	50.463	ug/l	99
67) Ethyl Benzene	11.51	91	1533318	51.318	ug/l	100
68) m/p-Xylenes	11.62	106	1209310	104.531	ug/l	99
69) o-Xylene	11.95	106	595450	53.463	ug/l	99
70) Styrene	11.96	104	972935	55.668	ug/l	100
71) Bromoform	12.13	173	243250	50.876	ug/l #	99
73) Isopropylbenzene	12.25	105	1563976	46.556	ug/l	100
74) N-amyl acetate	12.07	43	344117	44.607	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	340362	42.854	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	281203m	40.170	ug/l	
77) Bromobenzene	12.53	156	413324	45.865	ug/l	99
78) n-propylbenzene	12.59	91	1850269	49.253	ug/l	99
79) 2-Chlorotoluene	12.67	91	1153681	50.933	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1466496	52.591	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	95920	45.235	ug/l	100
82) 4-Chlorotoluene	12.77	91	1179020	52.248	ug/l	100
83) tert-Butylbenzene	12.99	119	1265745	50.552	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1487661	53.193	ug/l	99
85) sec-Butylbenzene	13.17	105	1745384	51.772	ug/l	100
86) p-Isopropyltoluene	13.29	119	1551658	53.032	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	797847	50.736	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	784636	49.589	ug/l	99
89) n-Butylbenzene	13.62	91	1325327	55.083	ug/l	99
90) Hexachloroethane	13.87	117	257191	46.013	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	769105	49.851	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53341	46.025	ug/l	99

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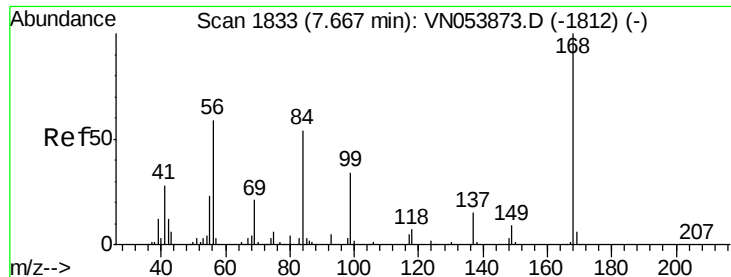
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	422158	45.451	ug/l	98
94) Hexachlorobutadiene	15.01	225	287892	44.745	ug/l	99
95) Naphthalene	15.13	128	751832	40.683	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	396606	44.996	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 694270

Ion Ratio Lower Upper

168 100

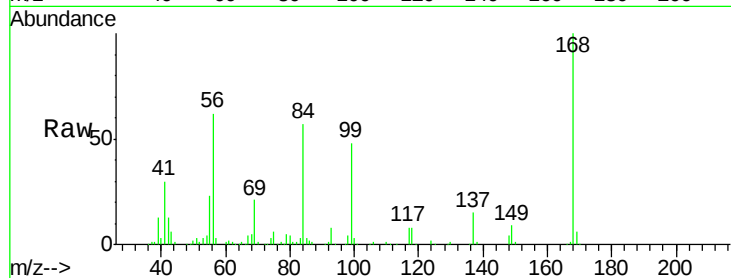
99 47.1 36.9 55.3

Manual Integrations

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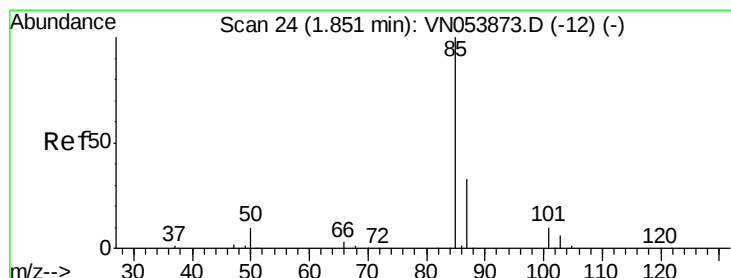
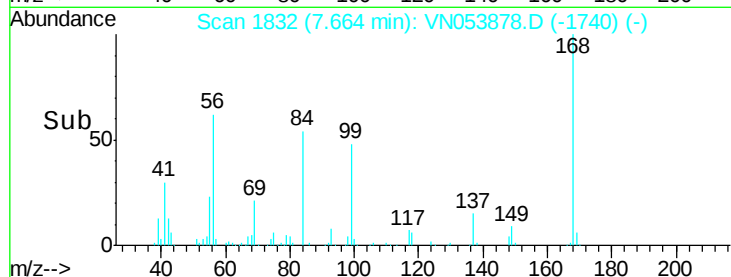
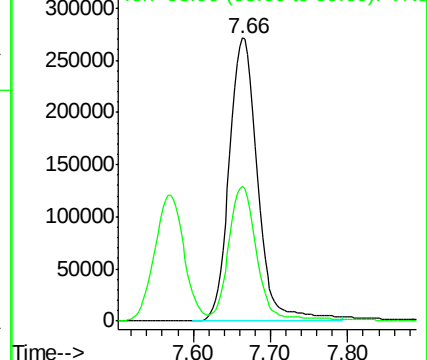
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.034 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053878.D

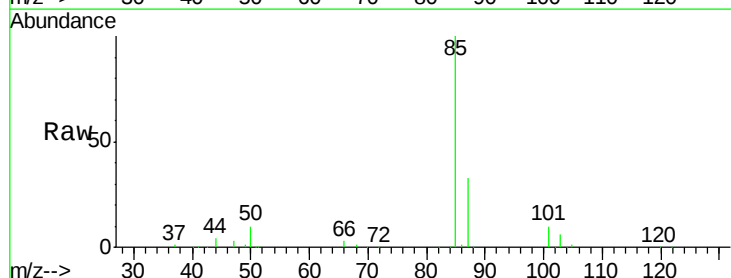
Acq: 21 Feb 2019 8:34

Tgt Ion: 85 Resp: 283703

Ion Ratio Lower Upper

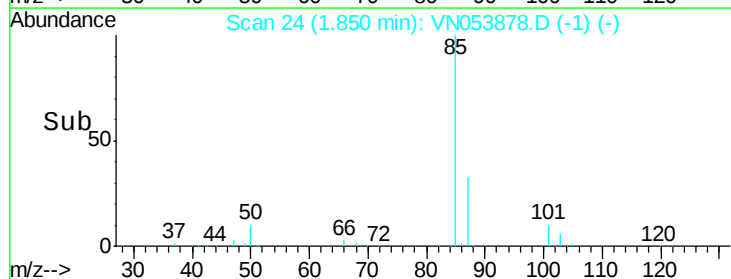
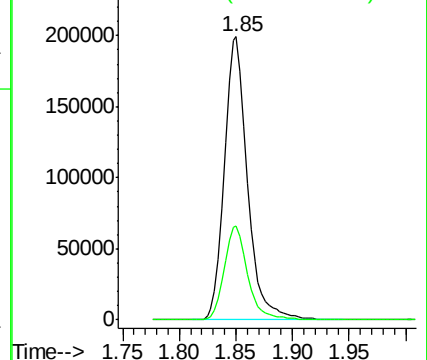
85 100

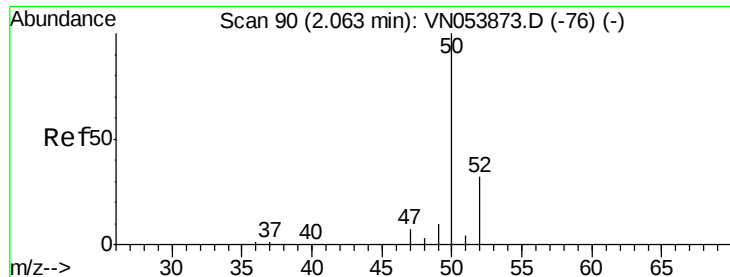
87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.704 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.01 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 342727

Ion Ratio Lower Upper

50 100

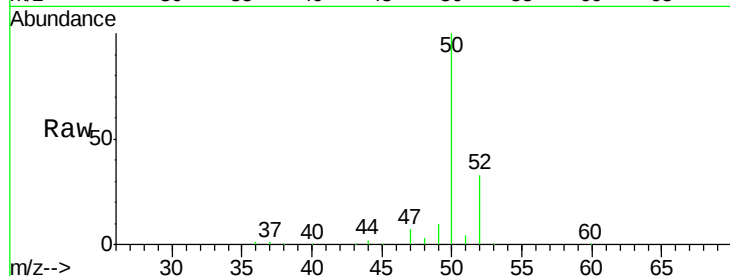
52 33.0 26.0 39.0

Manual Integrations

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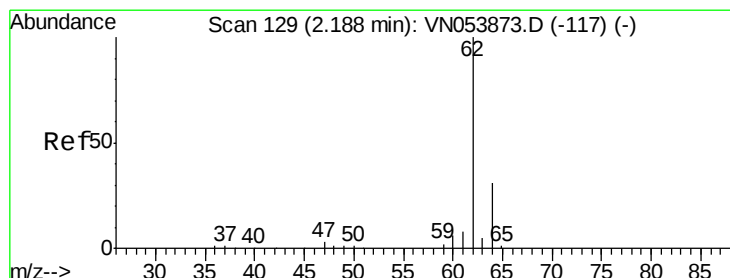
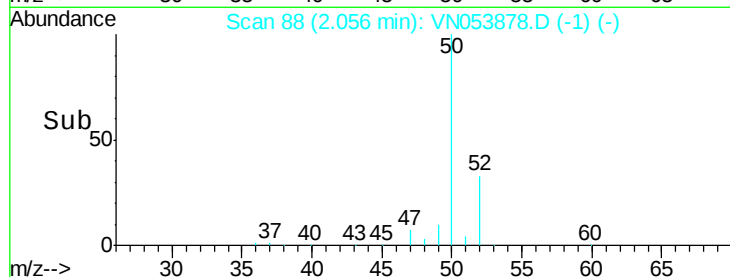
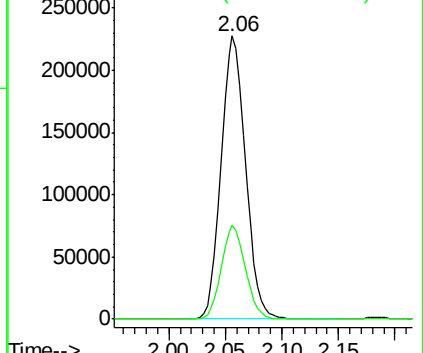
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 47.792 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN053878.D

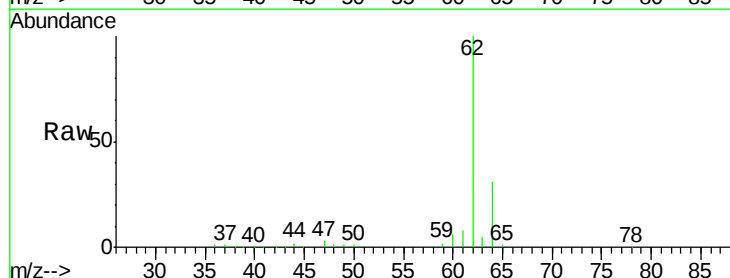
Acq: 21 Feb 2019 8:34

Tgt Ion: 62 Resp: 384712

Ion Ratio Lower Upper

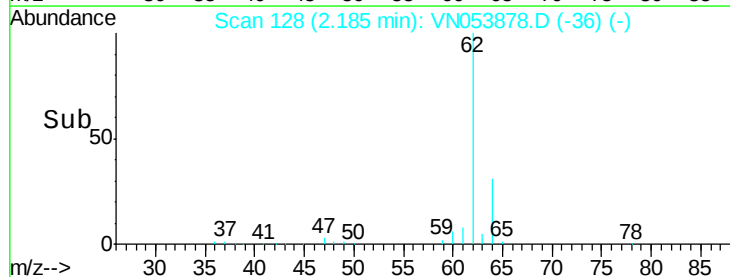
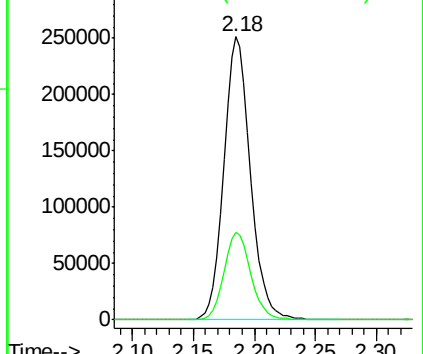
62 100

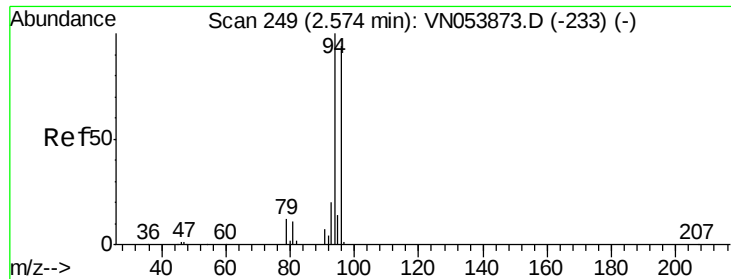
64 30.9 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 47.919 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 282478

Ion Ratio Lower Upper

94 100

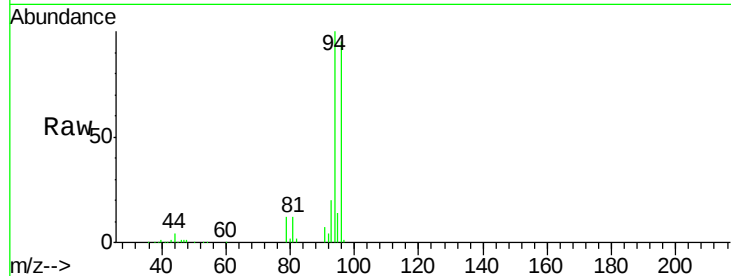
96 95.0 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

150000

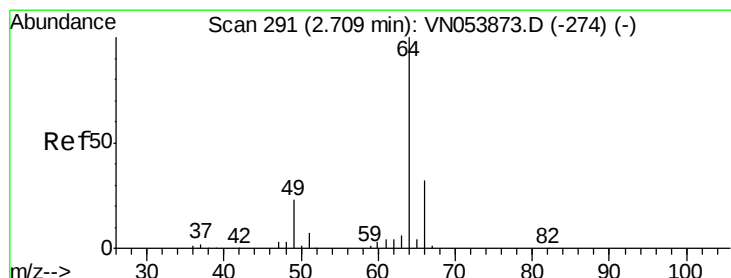
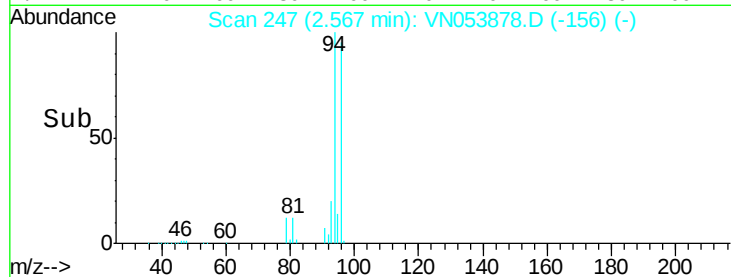
100000

50000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 47.898 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN053878.D

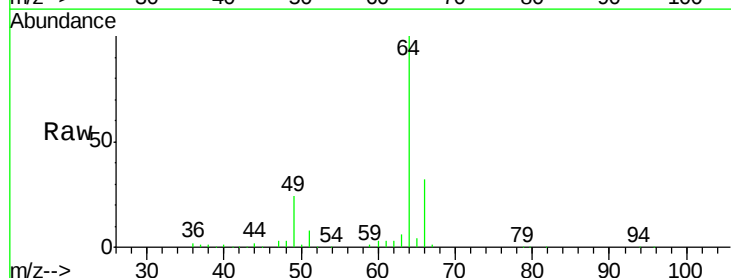
Acq: 21 Feb 2019 8:34

Tgt Ion: 64 Resp: 249189

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

150000

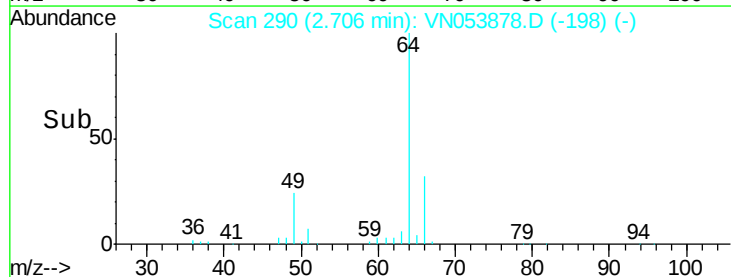
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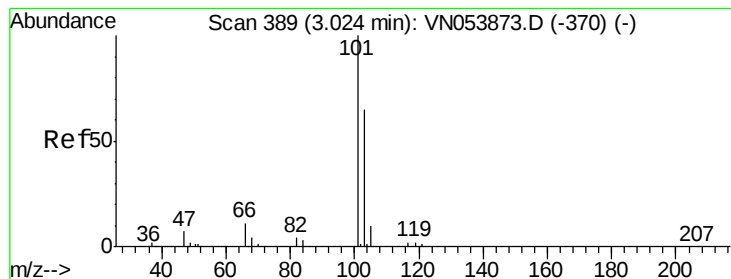
50000

0

2.60 2.70 2.80

Time-->





#7

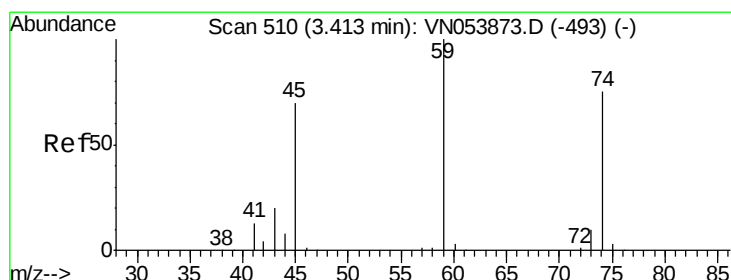
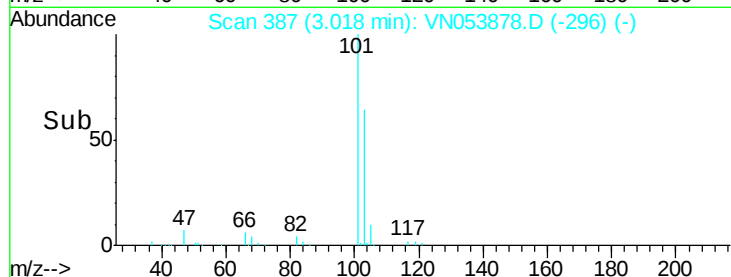
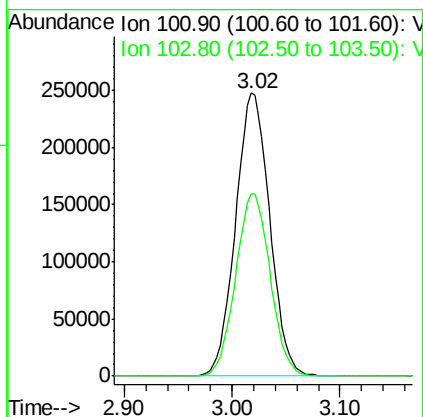
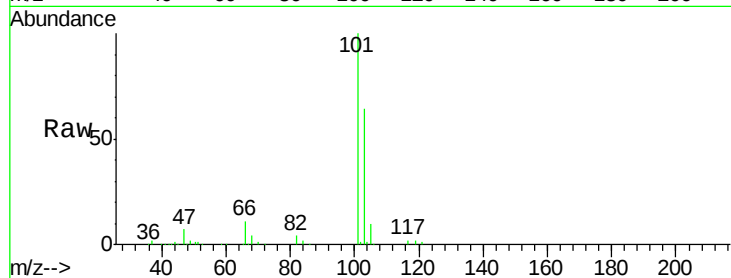
Trichlorofluoromethane
 Concen: 47.871 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.9	77.9

Manual Integrations
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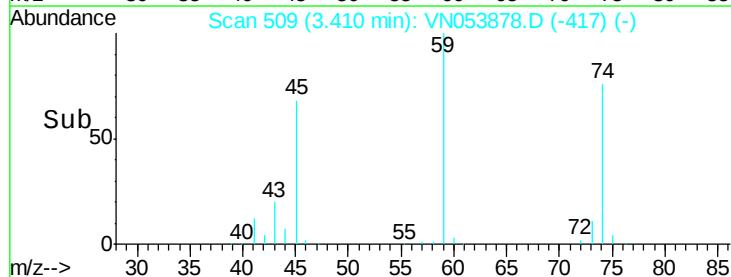
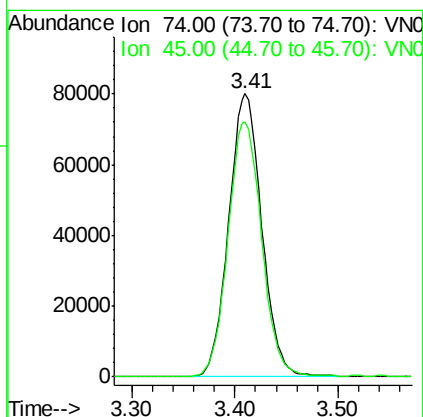
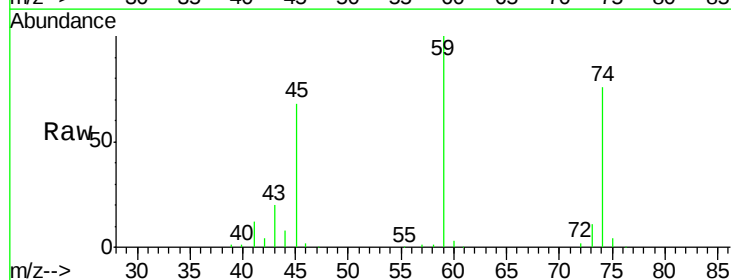
MMDadoda
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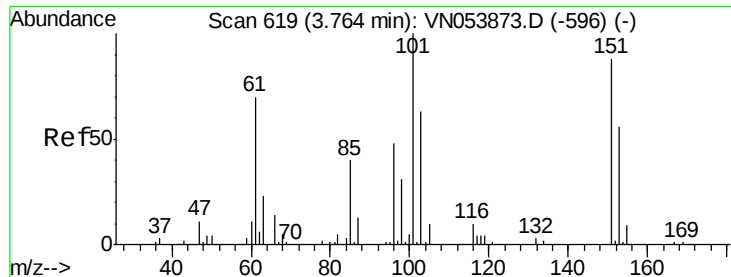


#8

Diethyl Ether
 Concen: 44.530 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.9	46.9	140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.706 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

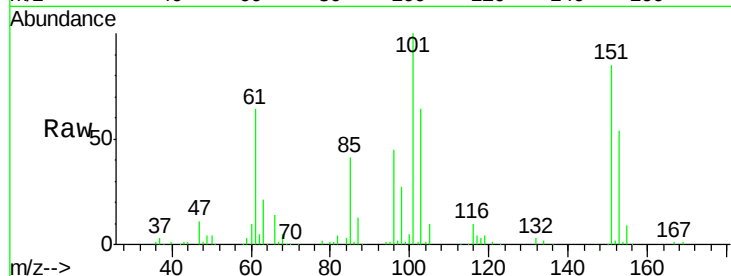
ClientSampled :

VSTDCCC050

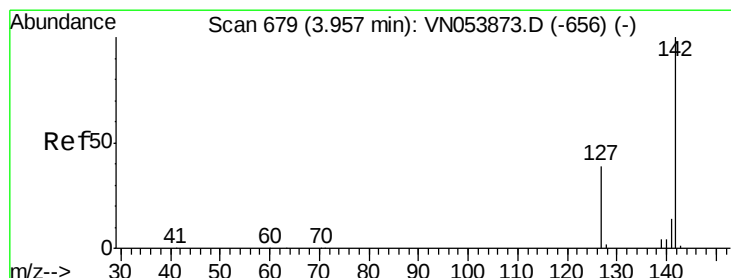
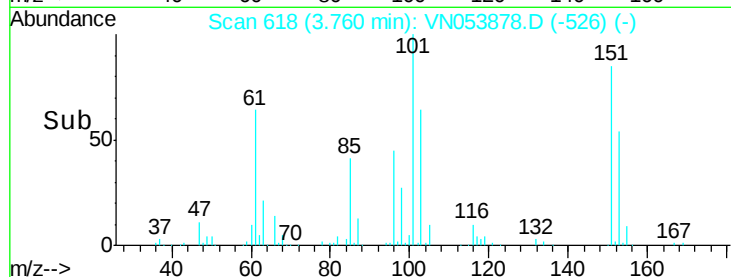
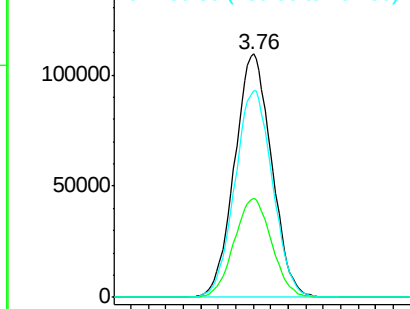
Tot Ion:	101	Resp:	321754
Ion Ratio	Lower	Upper	
101	100		
85	41.1	32.5	48.7
151	86.6	70.2	105.2

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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: 46.038 ug/l

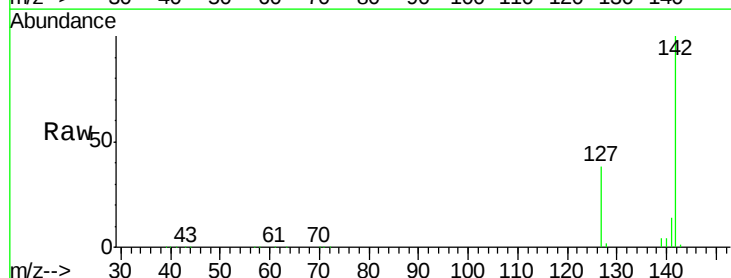
RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

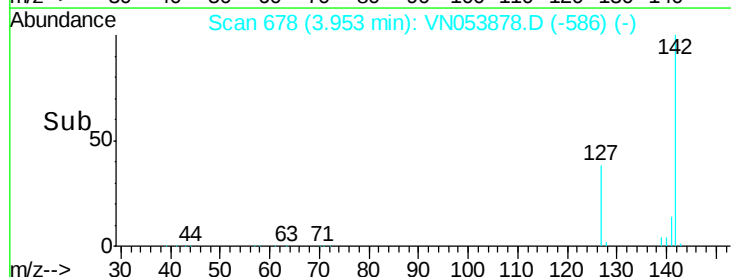
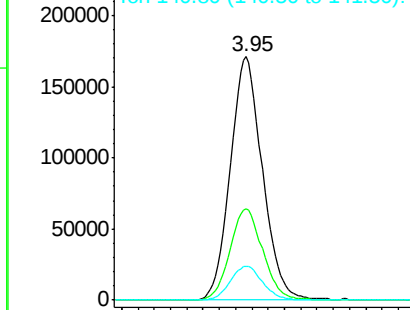
Lab File: VN053878.D

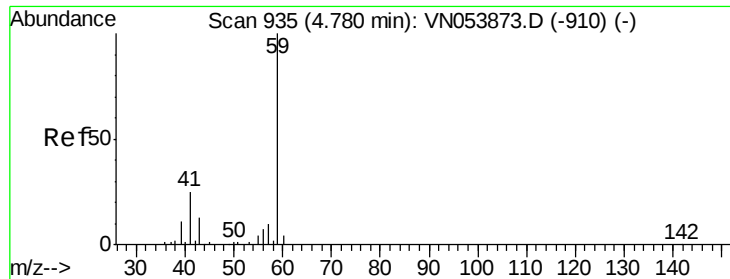
Acq: 21 Feb 2019 8:34

Tgt Ion:	142	Resp:	470308
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.0	46.4
141	14.1	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





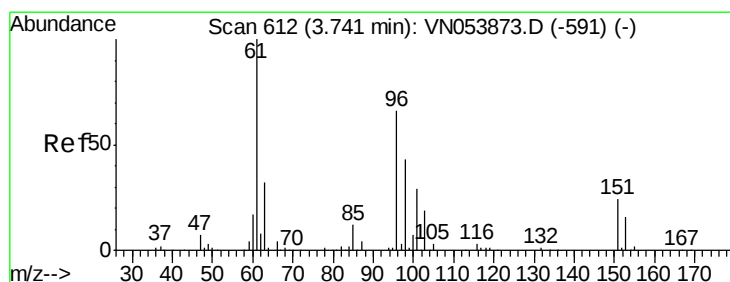
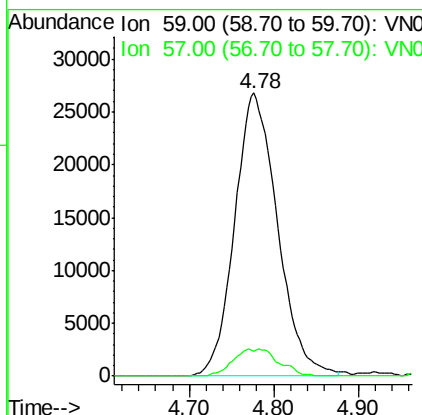
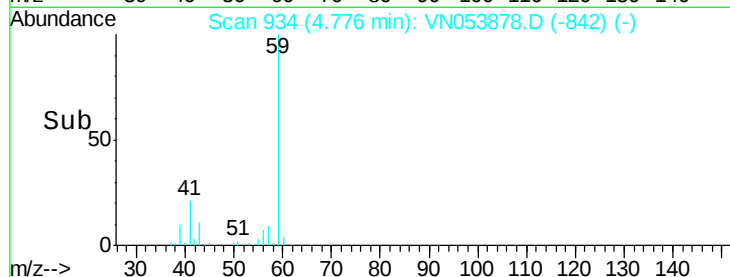
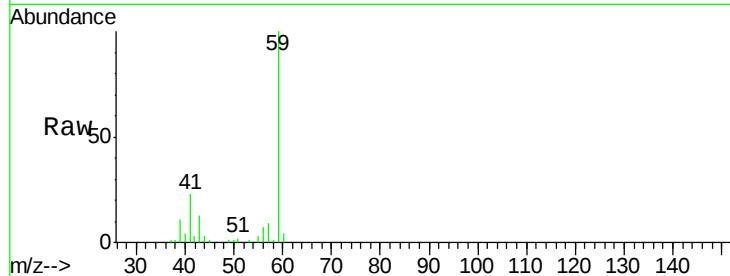
#11
Tert butyl alcohol
Concen: 213.824 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.8	8.1	12.1#

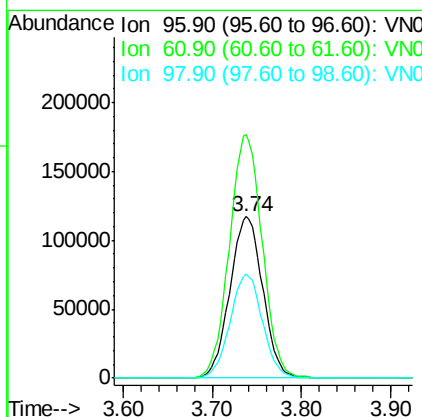
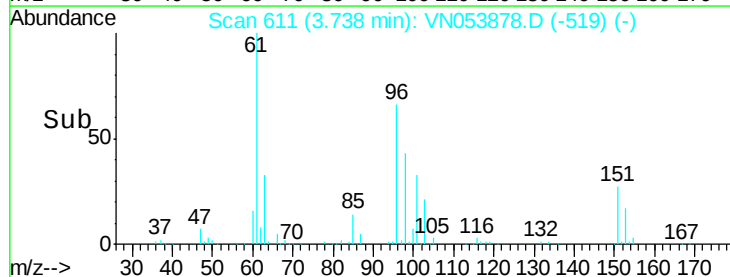
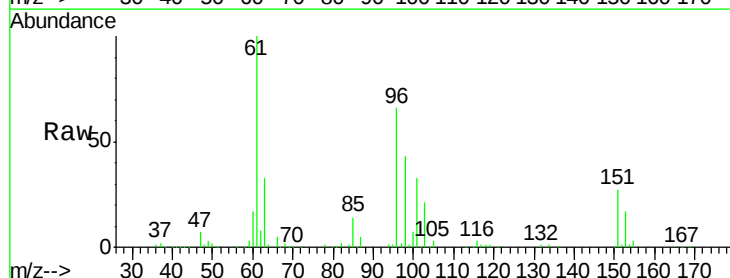
Manual Integrations
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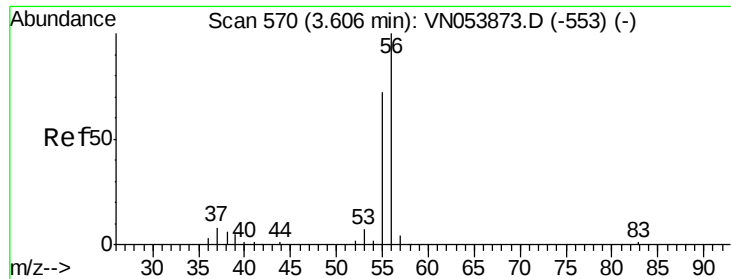
MMDadoda
2/22/2019 10:30:36 AM



#12
1,1-Dichloroethene
Concen: 46.458 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.1	121.0	181.4
98	64.3	52.2	78.2





#13

Acrolein

Concen: 110.858 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 35096

Ion Ratio Lower Upper

56 100

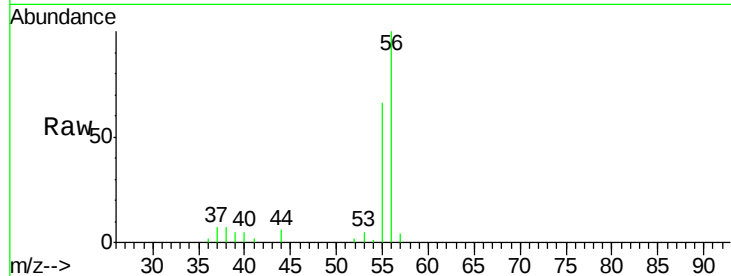
55 71.5 56.3 84.5

Manual Integrations

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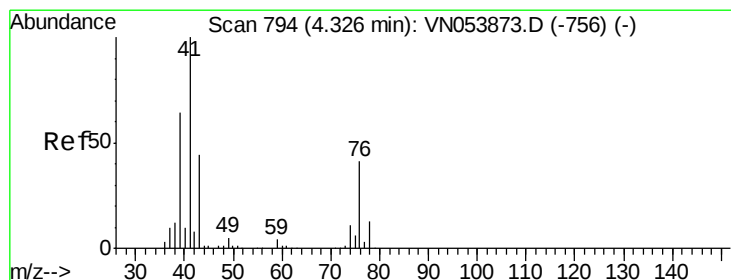
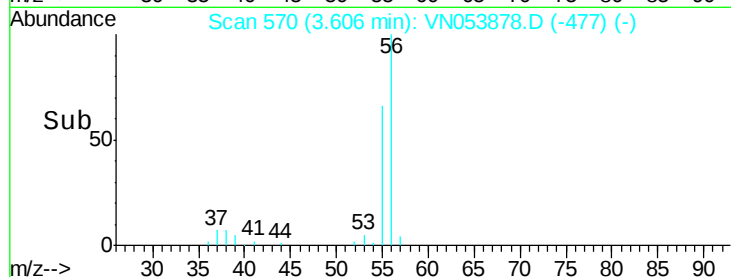
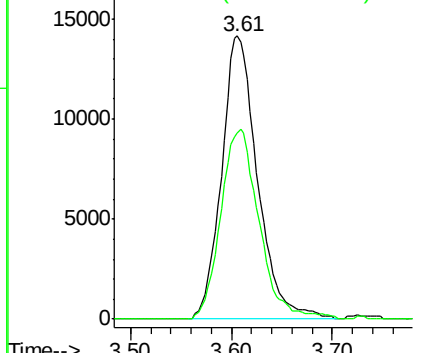
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.878 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

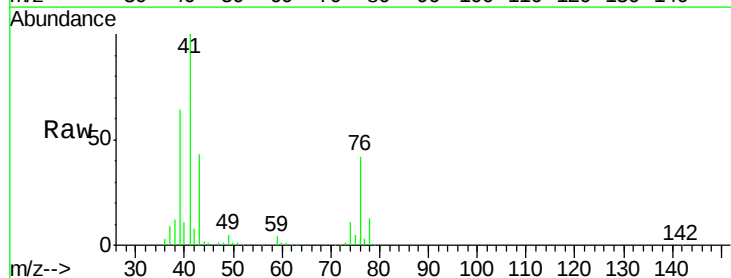
Tgt Ion: 41 Resp: 466849

Ion Ratio Lower Upper

41 100

39 61.3 48.8 73.2

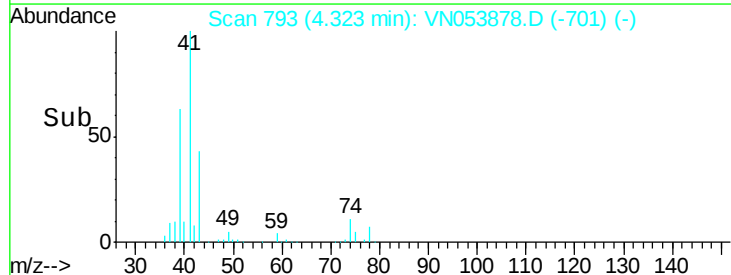
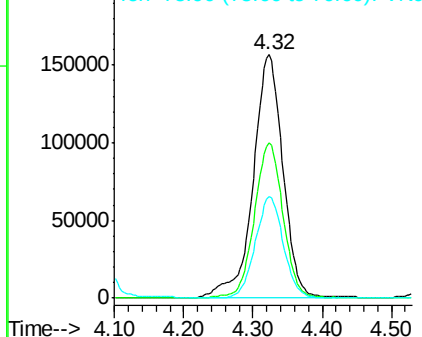
76 38.7 30.9 46.3

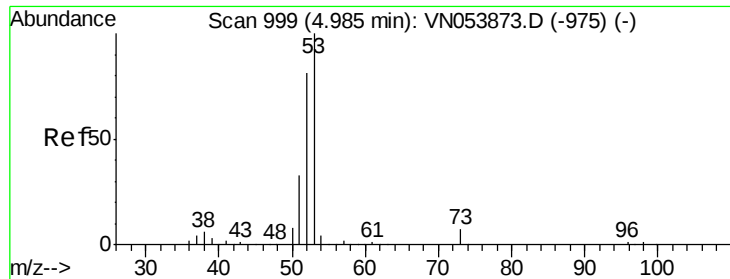


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





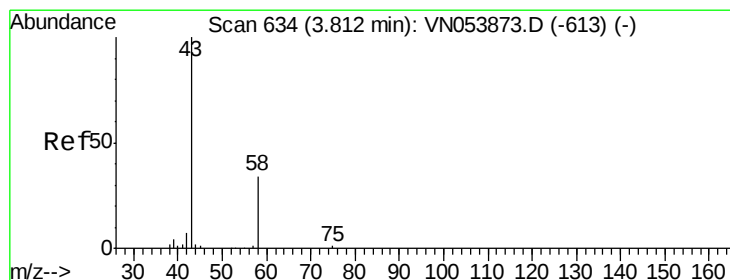
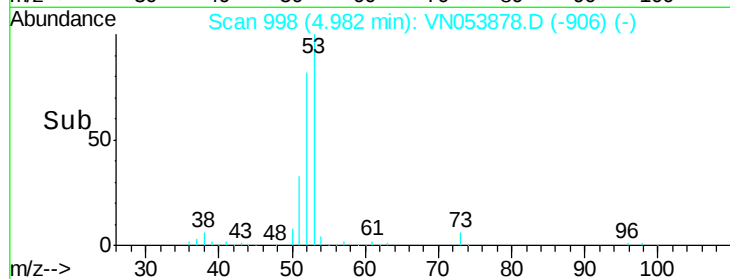
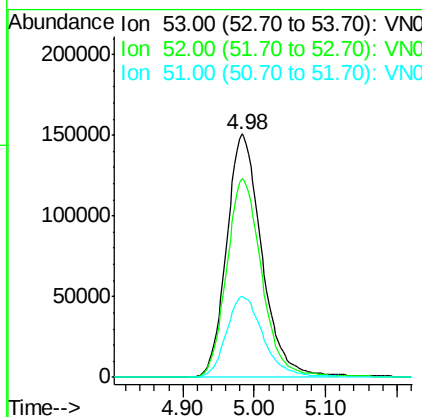
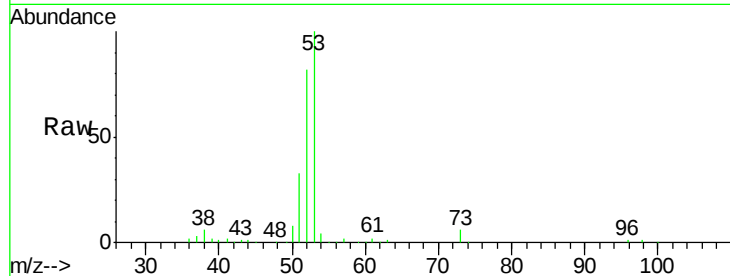
#15
 Acrylonitrile
 Concen: 231.709 ug/l
 RT: 4.98 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.1	97.7
51	34.7	28.2	42.4

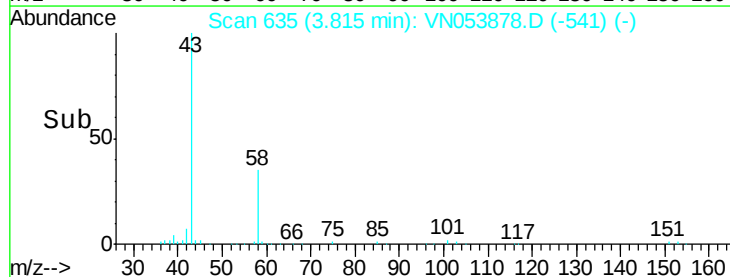
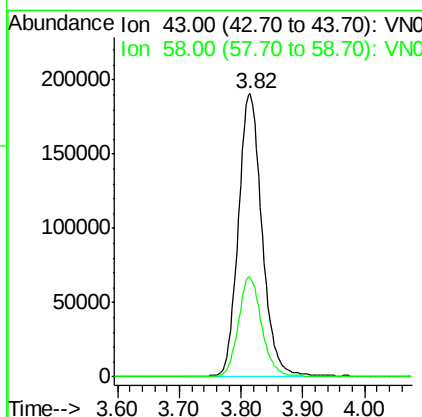
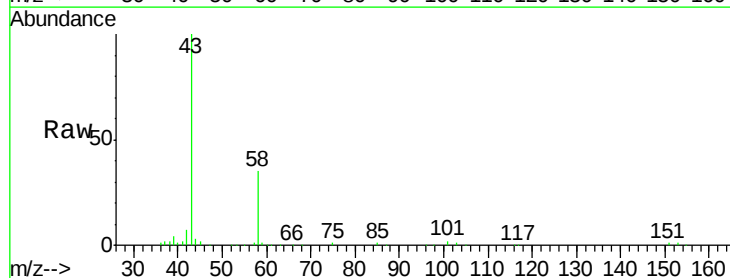
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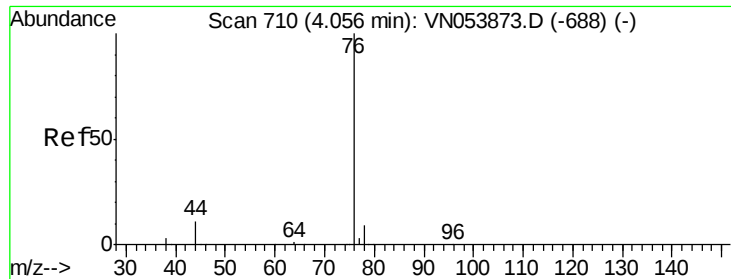
MMDadoda
 2/22/2019 10:30:36 AM



#16
 Acetone
 Concen: 260.661 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.6	41.4





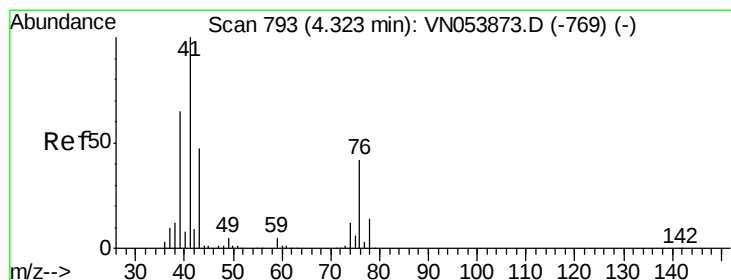
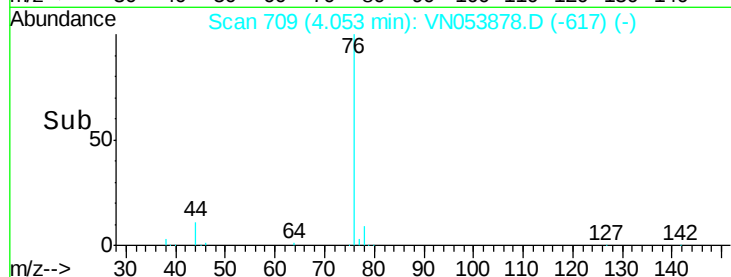
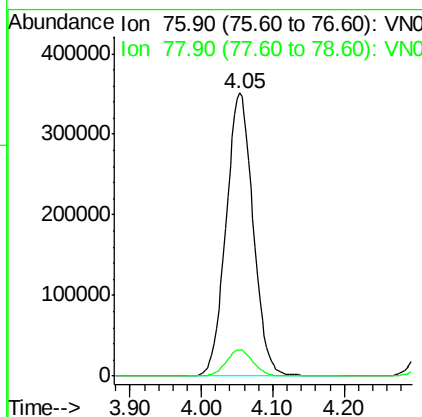
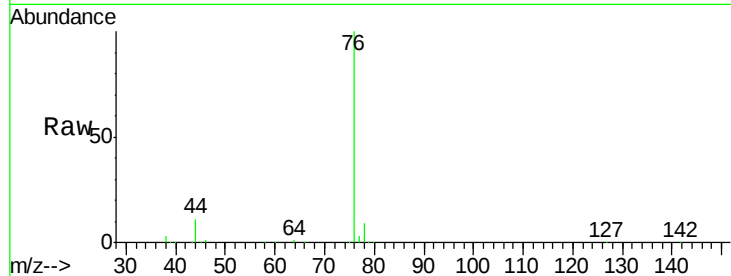
#17
Carbon Disulfide
Concen: 46.502 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 927949
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3

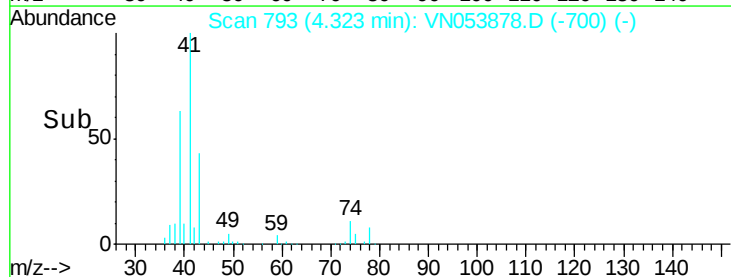
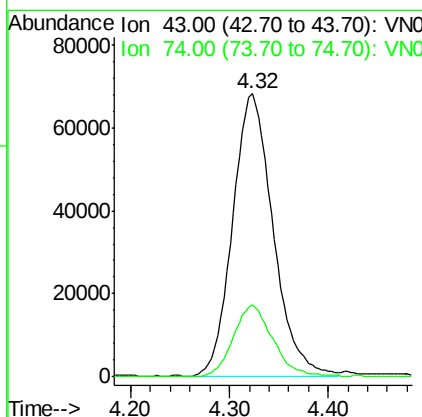
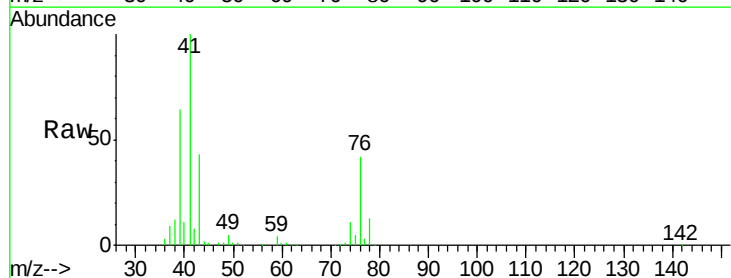
Manual Integrations
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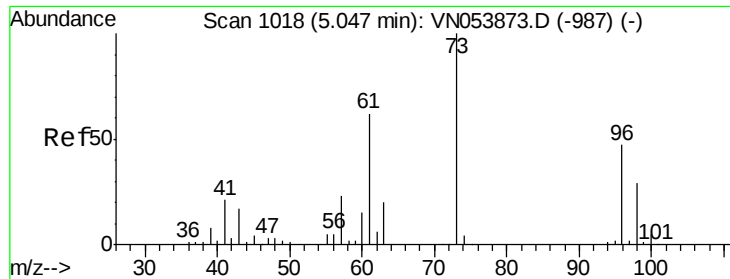
MMDadoda
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#18
Methyl Acetate
Concen: 41.999 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion: 43 Resp: 193425
Ion Ratio Lower Upper
43 100
74 25.3 20.5 30.7





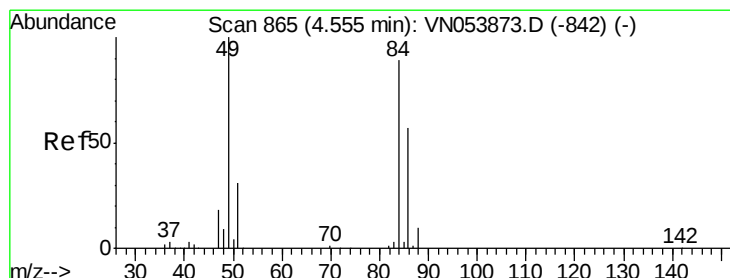
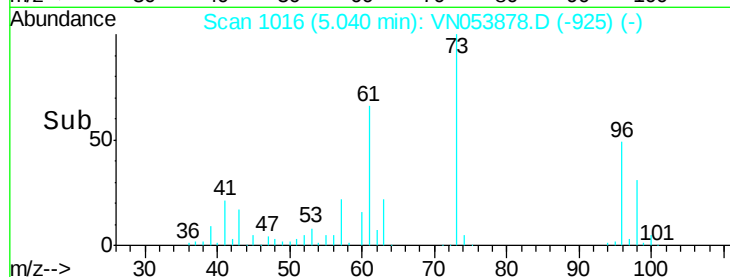
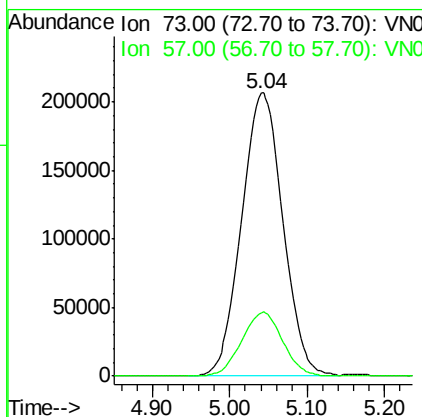
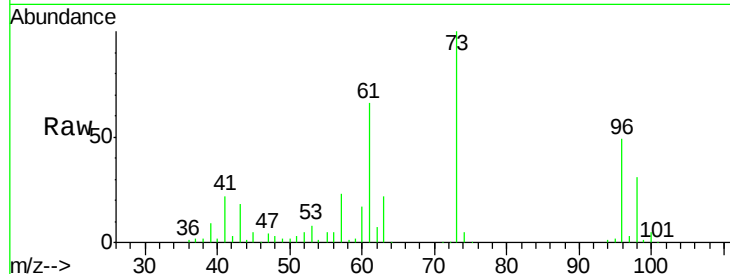
#19
Methvl tert-butvl Ether
Concen: 47.020 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 768612
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0

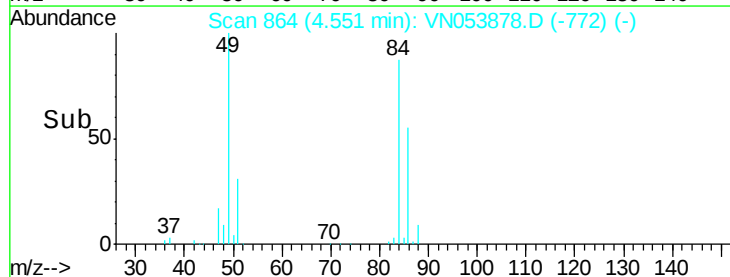
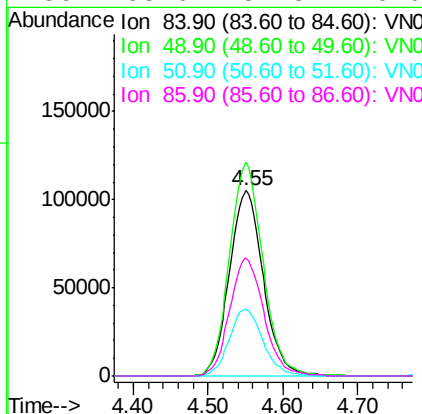
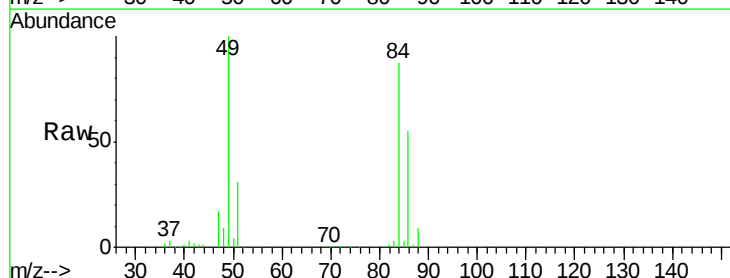
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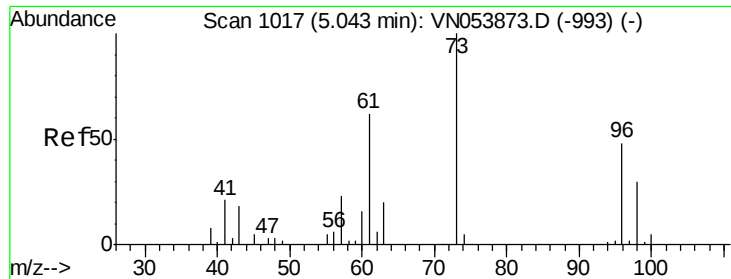
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#20
Methylene Chloride
Concen: 45.442 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion: 84 Resp: 331981
Ion Ratio Lower Upper
84 100
49 115.3 89.7 134.5
51 35.9 27.8 41.8
86 63.6 51.3 76.9





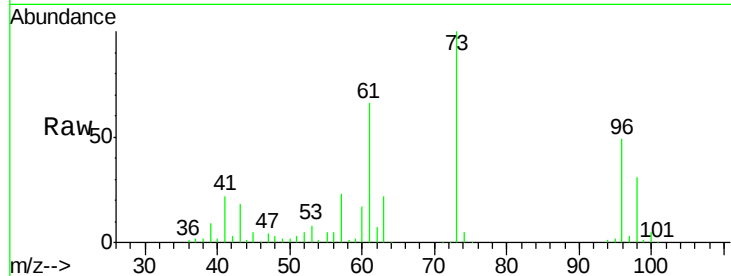
#21
trans-1,2-Dichloroethene
Concen: 48.063 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.5	104.5	156.7
98	64.0	50.6	76.0

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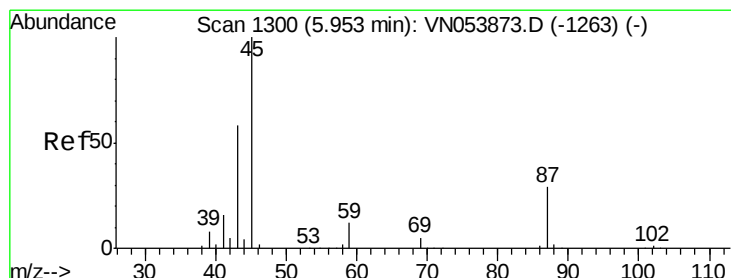
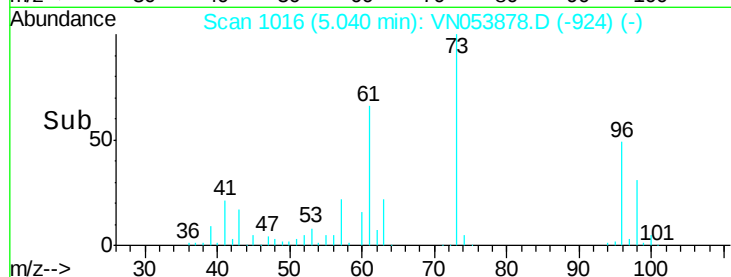
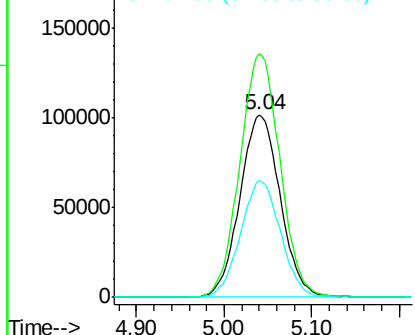


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 49.645 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.5	46.2	69.4
87	29.5	23.4	35.0
59	12.4	9.4	14.0

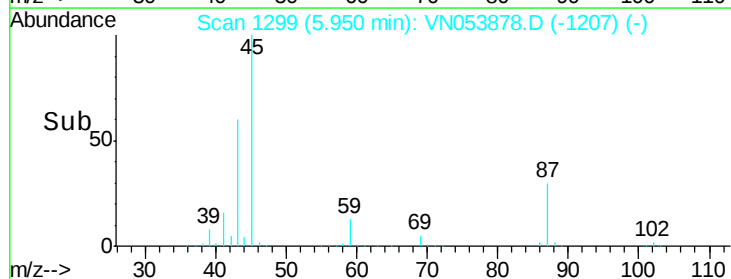
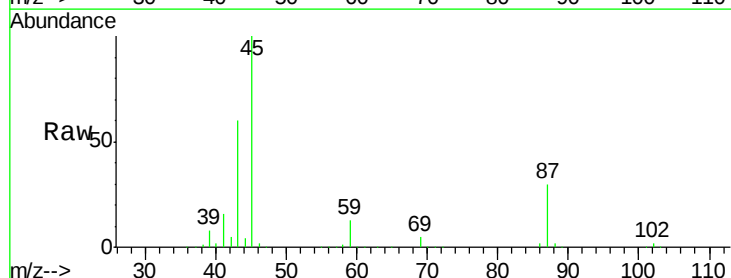
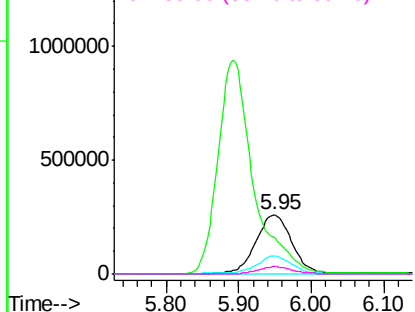
Abundance

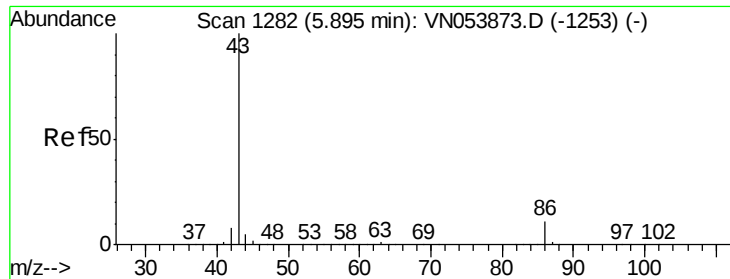
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





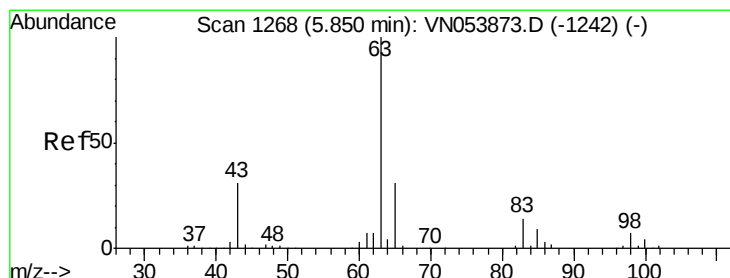
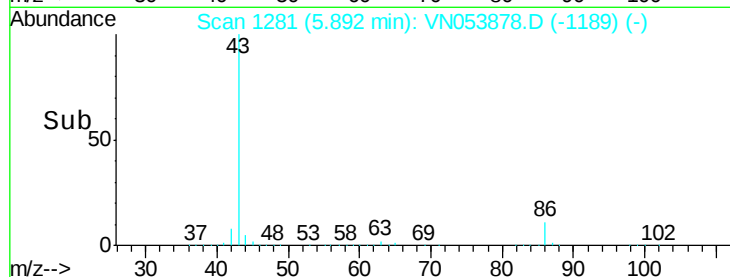
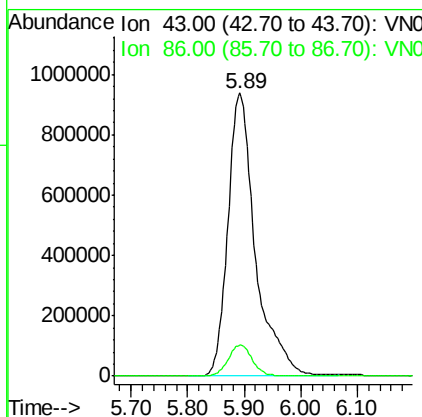
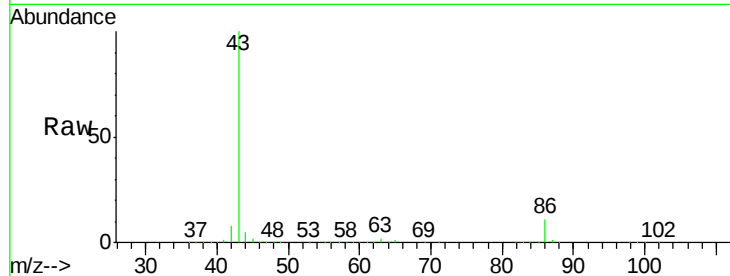
#23
 Vinyl Acetate
 Concen: 244.236 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3191496
 Ion Ratio Lower Upper
 43 100
 86 10.9 9.1 13.7

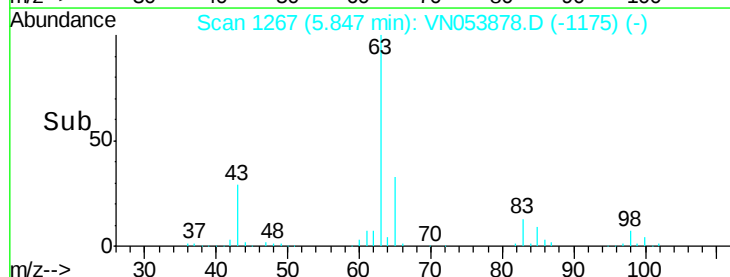
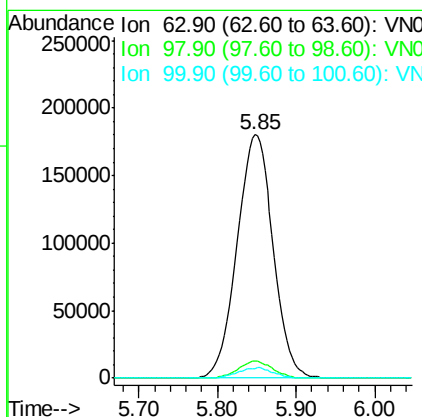
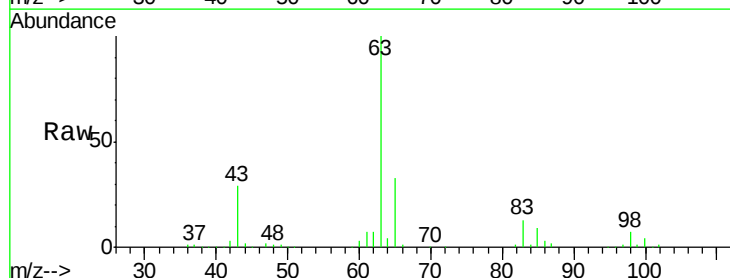
Manual Integrations
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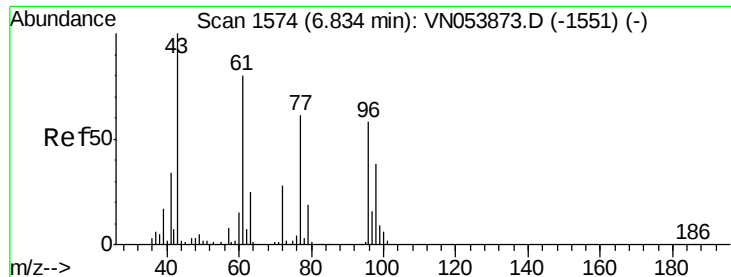
MMDadoda
 2/22/2019 10:30:36 AM



#24
 1,1-Dichloroethane
 Concen: 46.919 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion: 63 Resp: 577411
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.4 10.2
 100 4.1 2.2 6.6





#25

2-Butanone

Concen: 239.297 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 602548

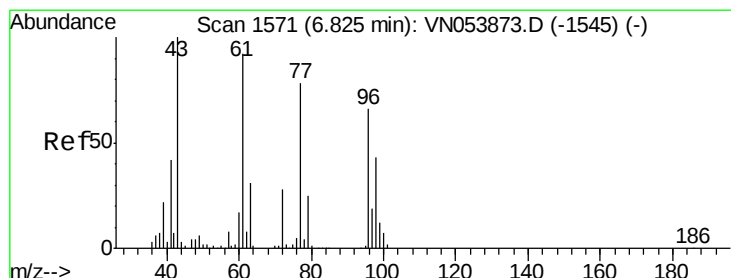
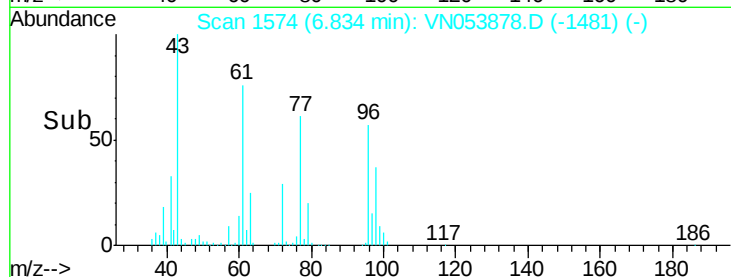
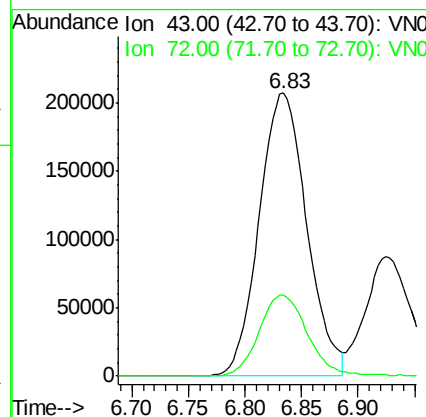
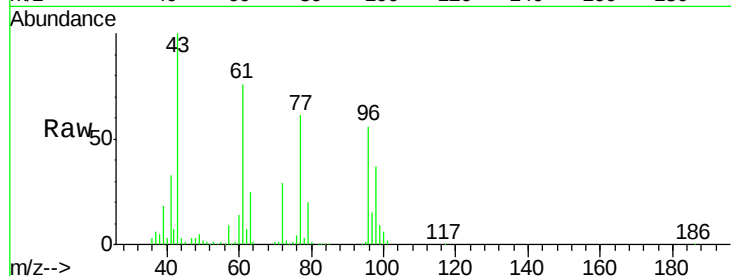
Ion Ratio Lower Upper

43 100

72 28.6 22.1 33.1

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#26

2,2-Dichloropropane

Concen: 48.293 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053878.D

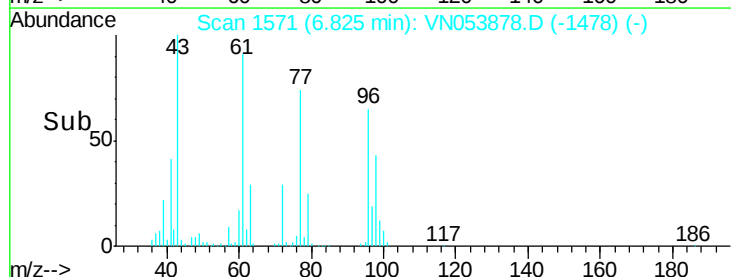
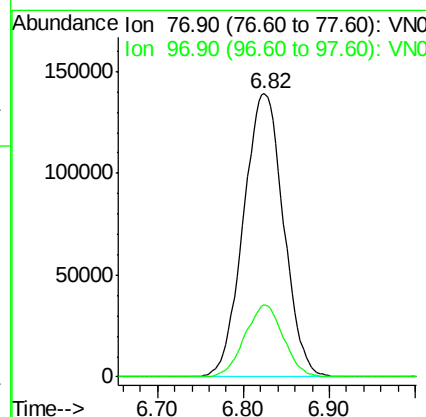
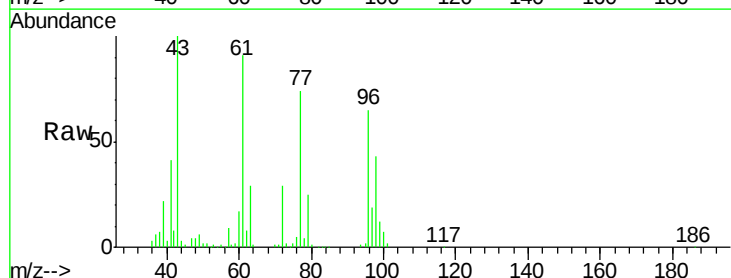
Acq: 21 Feb 2019 8:34

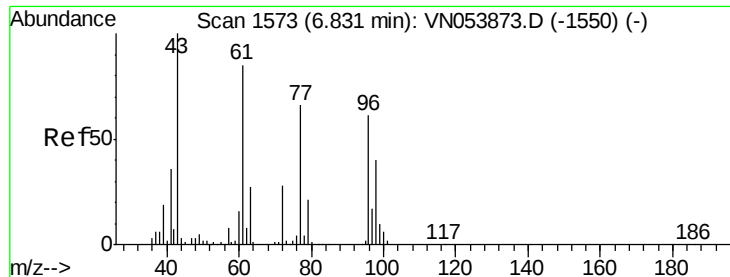
Tgt Ion: 77 Resp: 450992

Ion Ratio Lower Upper

77 100

97 24.5 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 47.859 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

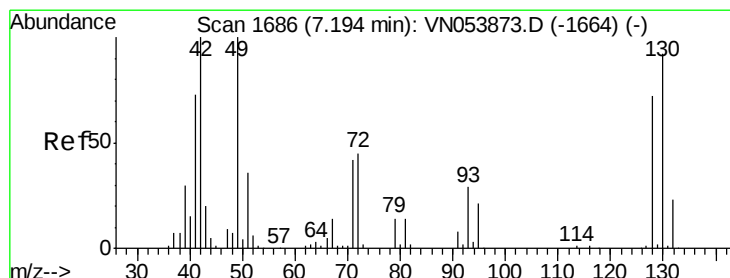
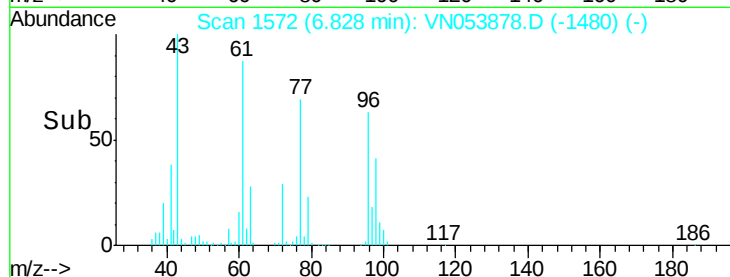
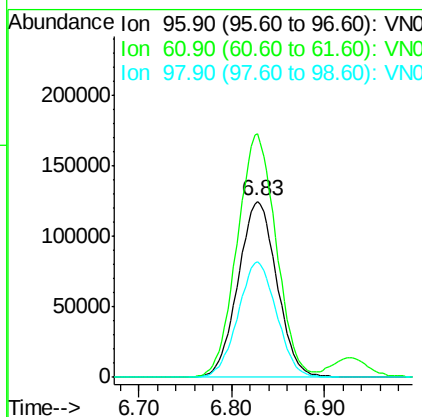
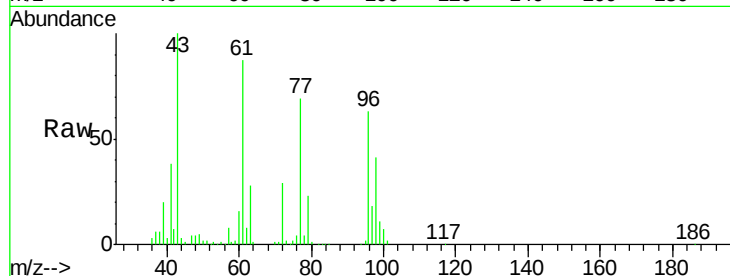
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	362540
Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	275.6
98	65.2	0.0	130.0

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#28

Bromochloromethane

Concen: 48.430 ug/l

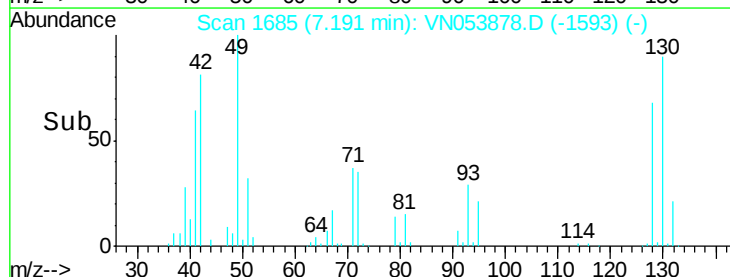
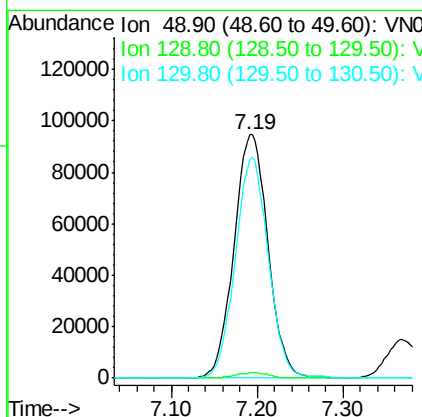
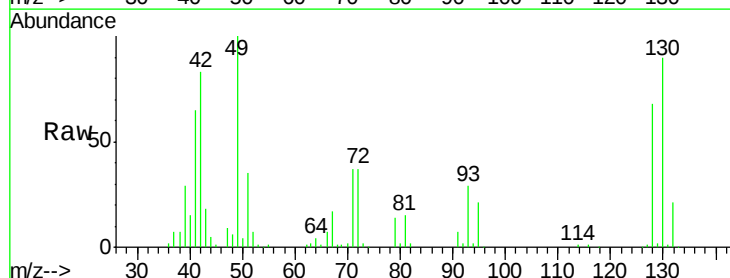
RT: 7.19 min Scan# 1685

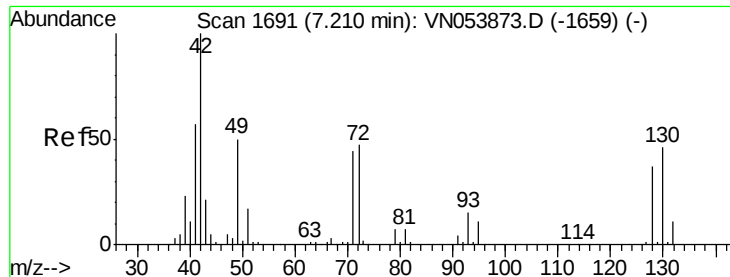
Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Tgt Ion:	49	Resp:	260122
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	88.5	72.9	109.3





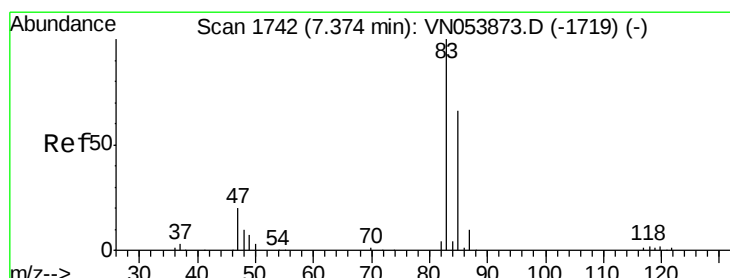
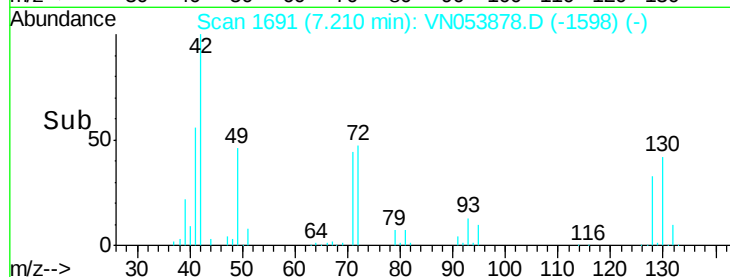
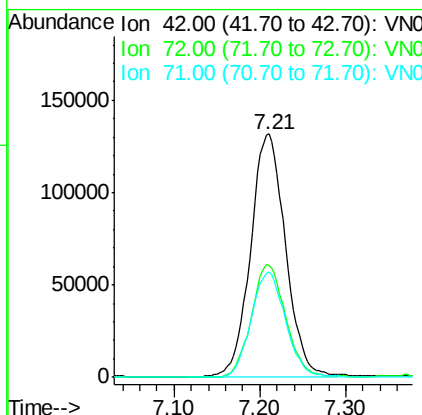
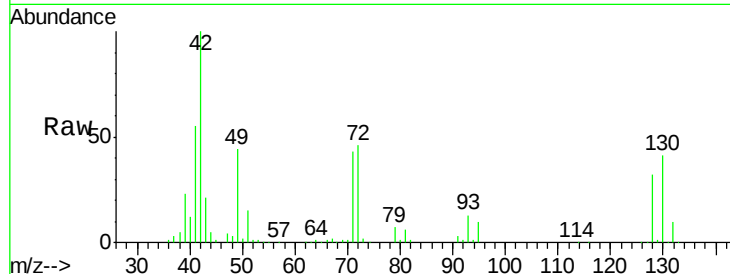
#29
Tetrahydrofuran
Concen: 228.281 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.9	55.3
71	43.0	34.6	52.0

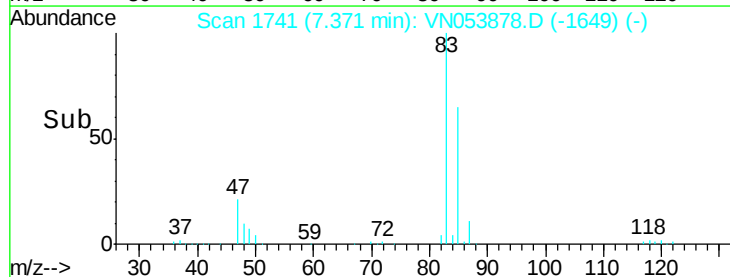
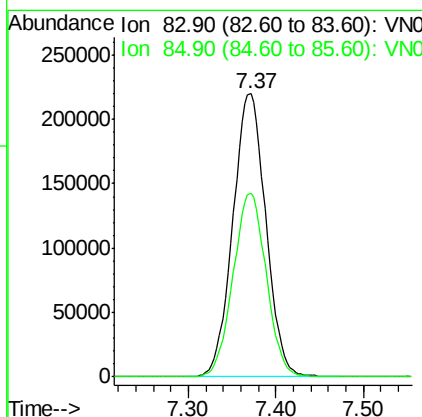
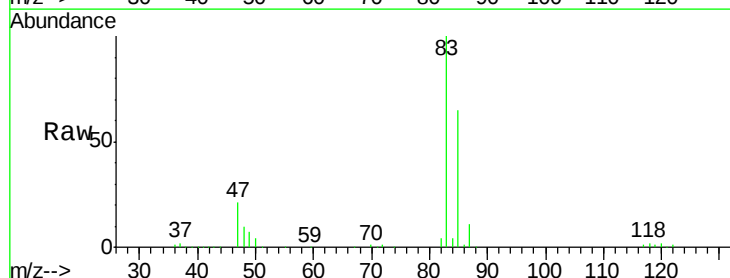
Manual Integrations
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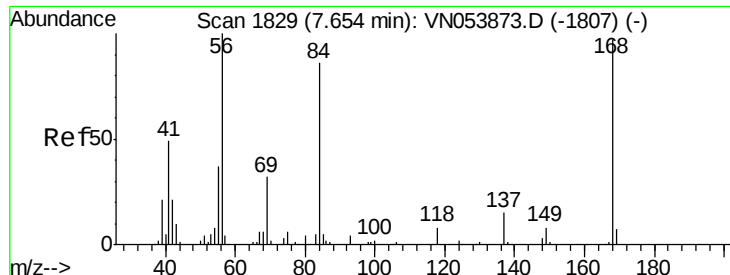
MMDadoda
2/22/2019 10:30:36 AM



#30
Chloroform
Concen: 46.636 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.6	78.8





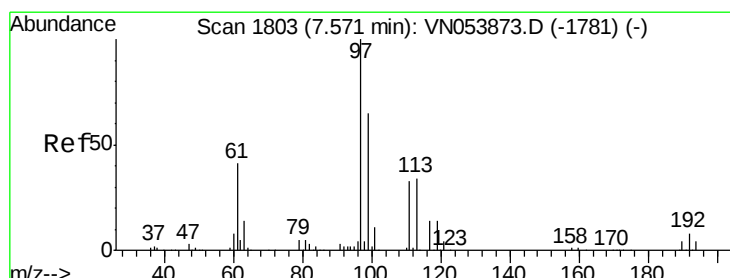
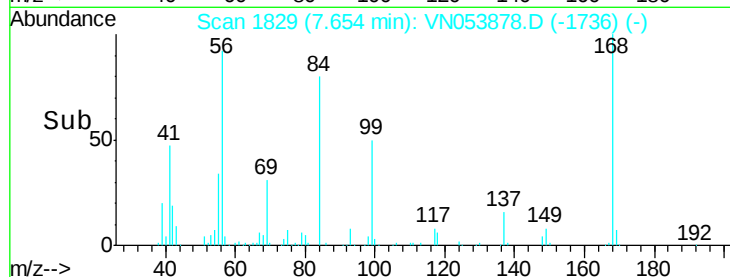
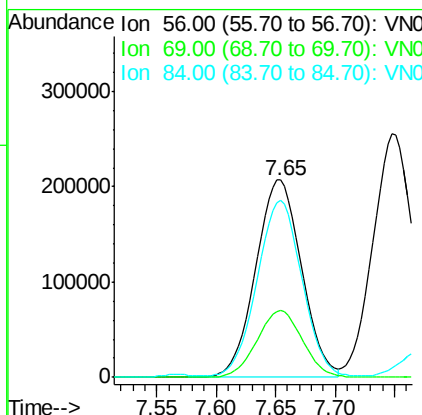
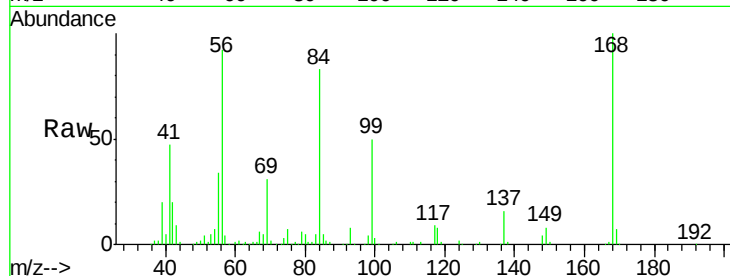
#31
Cyclohexane
Concen: 48.955 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.7	26.0	39.0
84	88.3	69.1	103.7

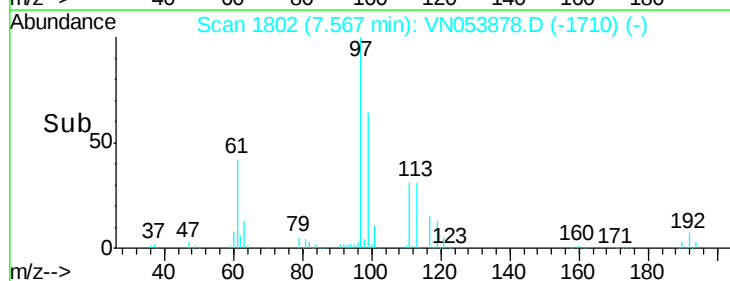
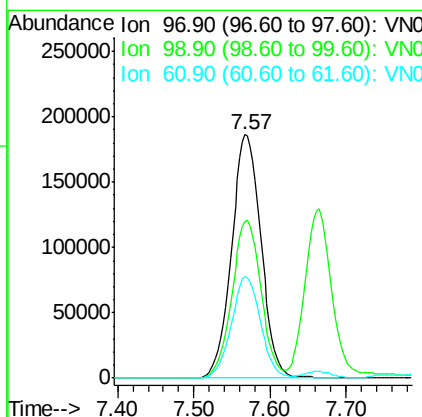
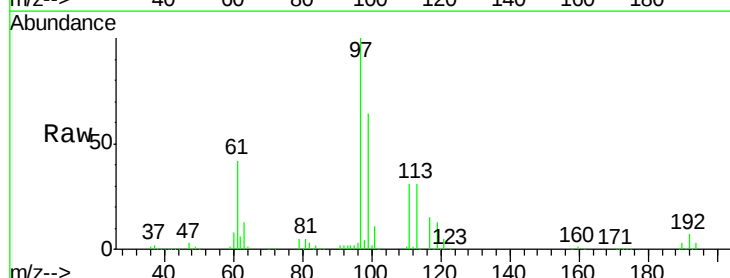
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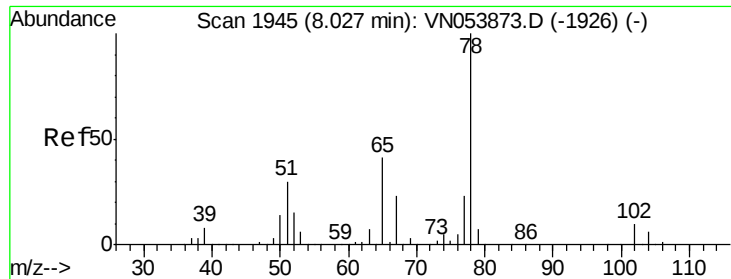
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 47.196 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.8
61	41.3	33.2	49.8





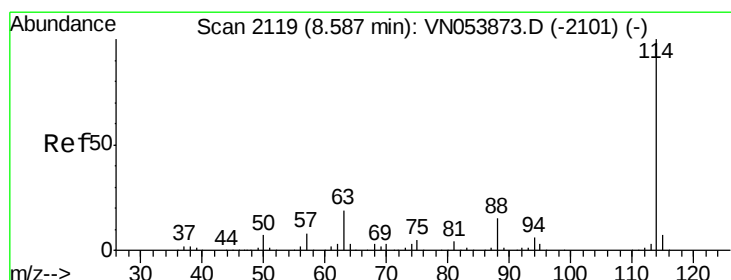
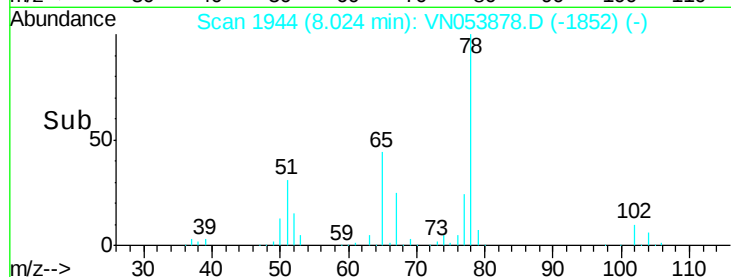
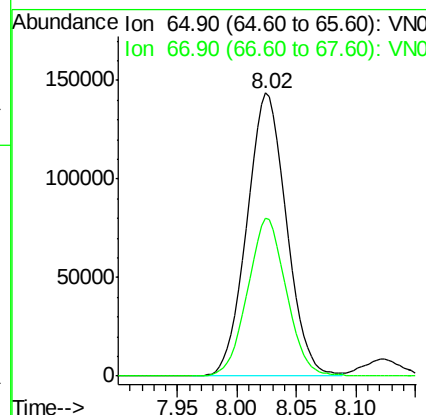
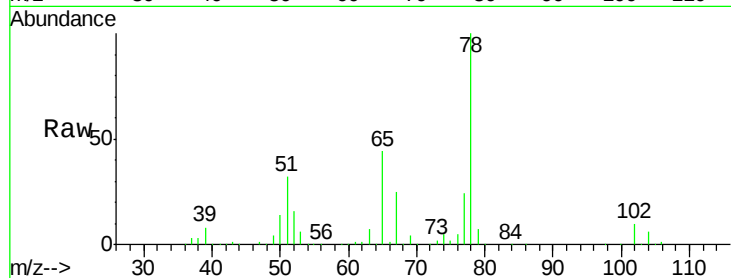
#33
 1,2-Dichloroethane-d4
 Concen: 46.672 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.6	0.0	111.8	

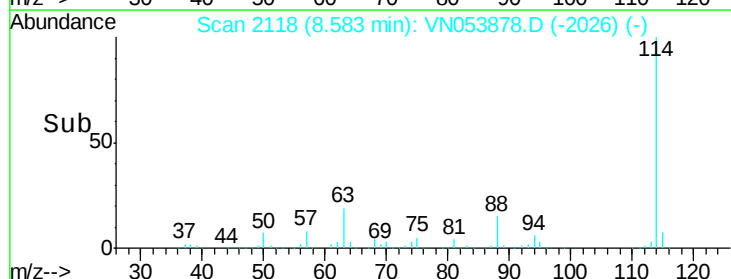
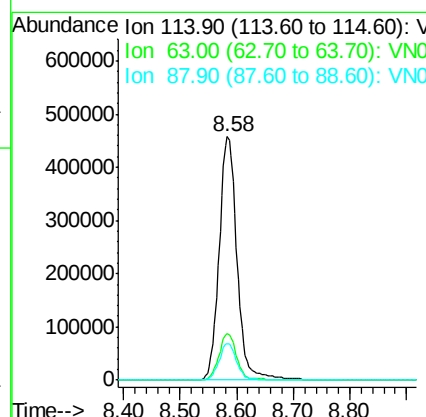
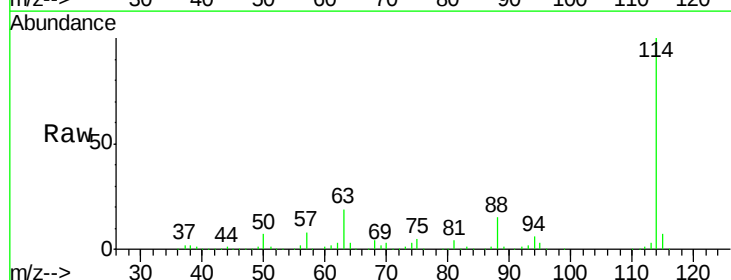
Manual Integrations
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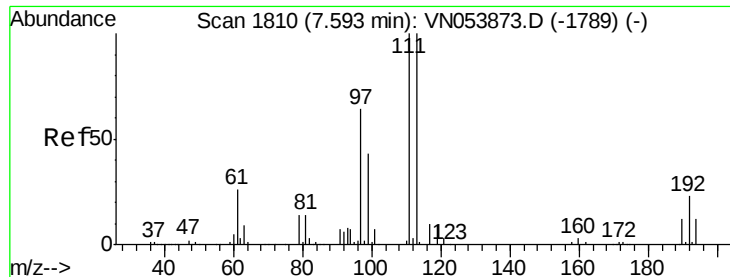
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	37.4	
88	15.1	0.0	30.4	





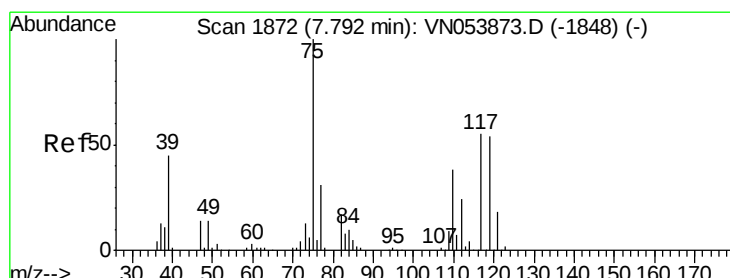
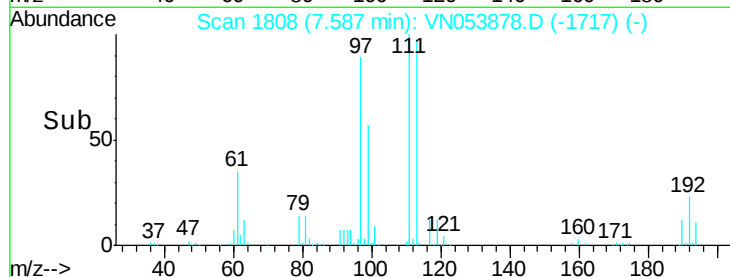
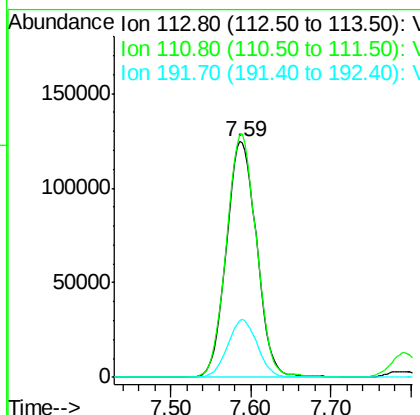
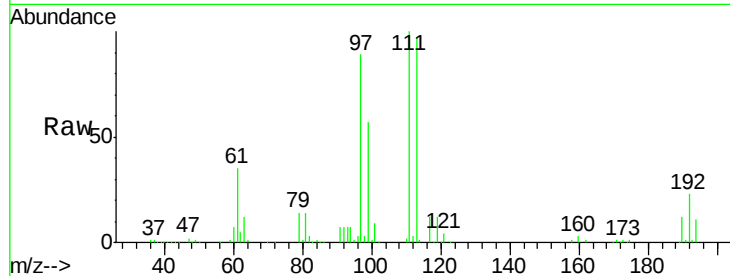
#35
 Dibromofluoromethane
 Concen: 49.010 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	81.1	121.7	
192	23.9	18.8	28.2	

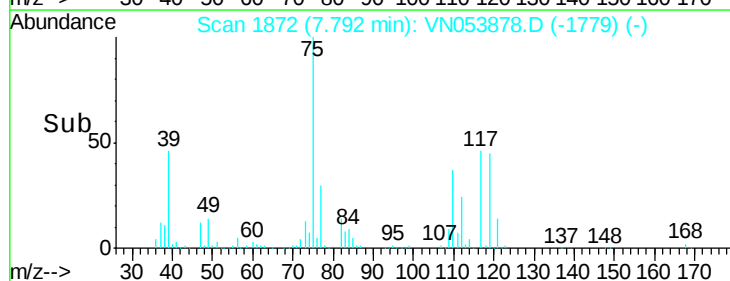
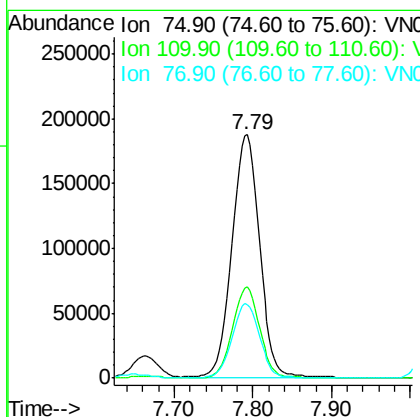
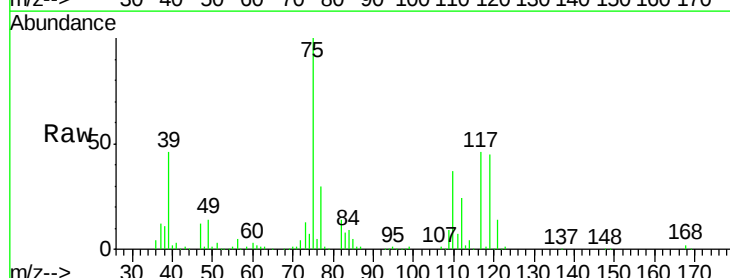
Manual Integrations
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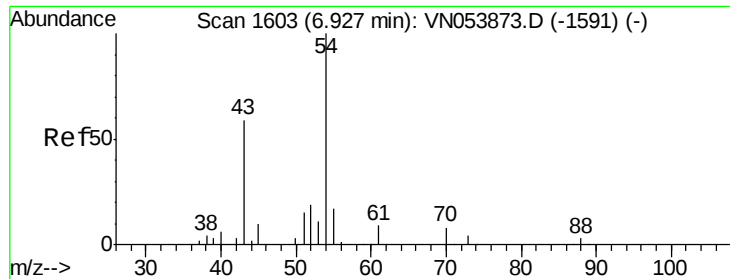
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#36
 1,1-Dichloropropene
 Concen: 50.011 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.7	19.0	57.0	
77	30.9	25.4	38.0	





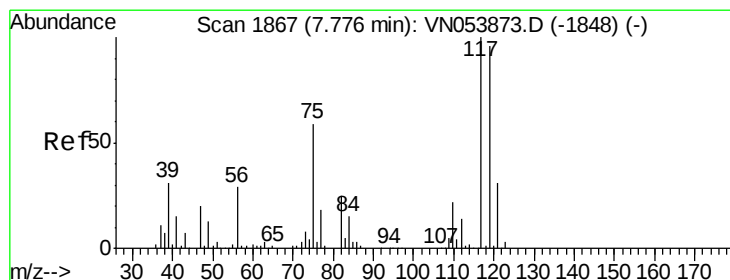
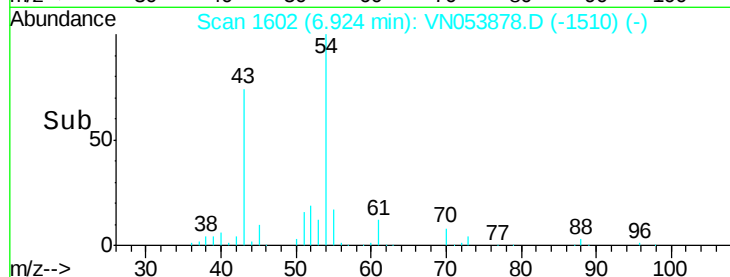
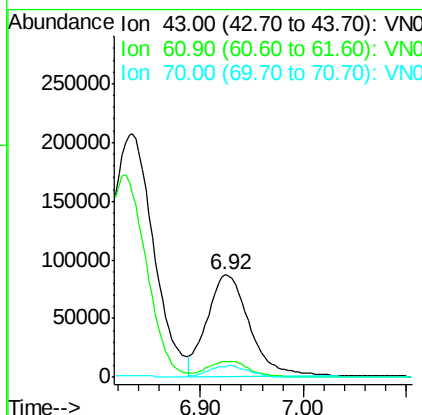
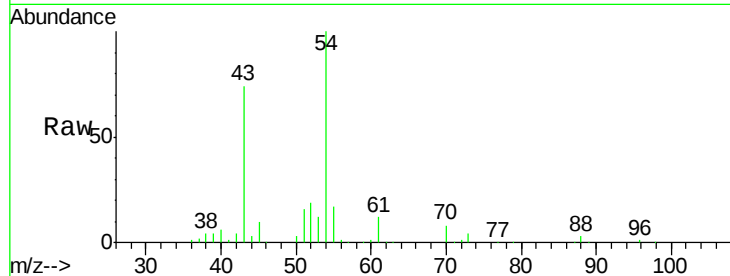
#37
Ethyl Acetate
Concen: 44.771 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.0	18.0
70	10.8	8.7	13.1

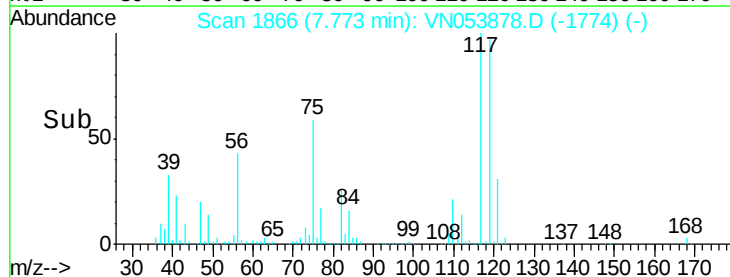
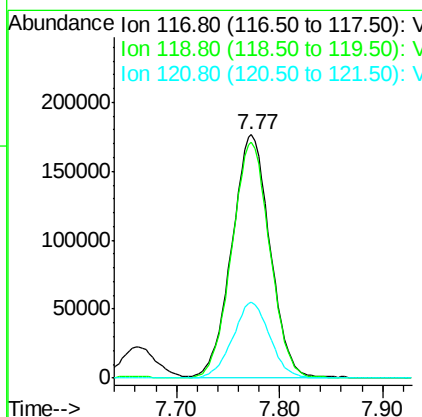
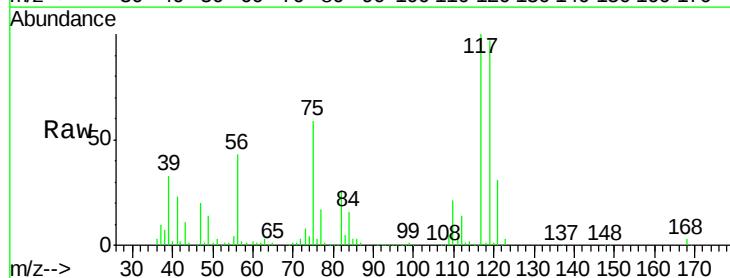
Manual Integrations
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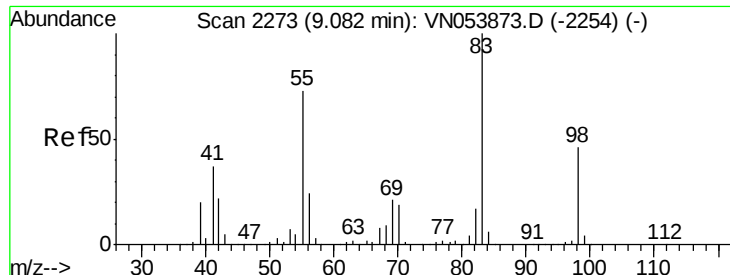
MMDadoda
2/22/2019 10:30:36 AM



#38
Carbon Tetrachloride
Concen: 49.026 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.2	114.2
121	31.4	24.6	36.8





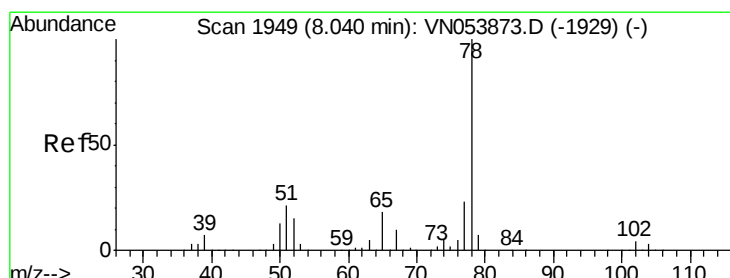
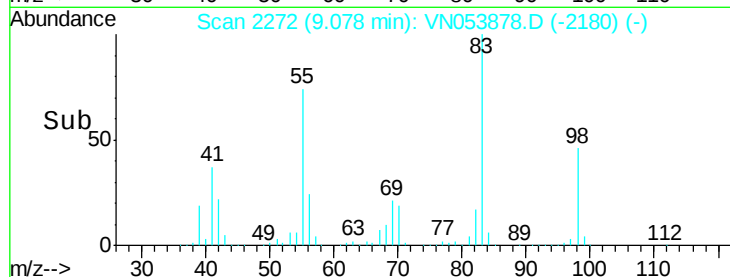
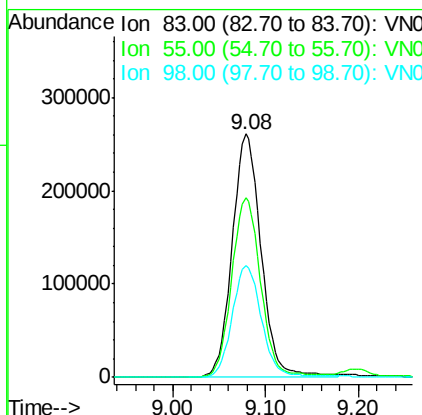
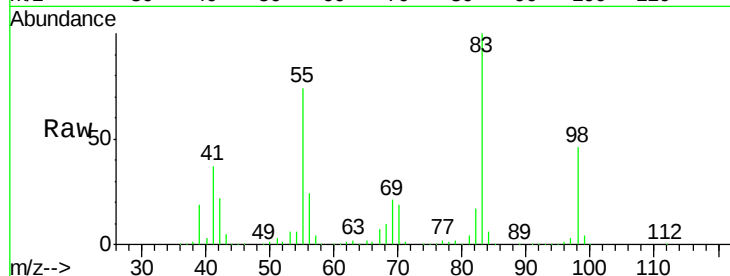
#39
Methvlcvclohexane
Concen: 53.529 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.6	58.2	87.4
98	45.8	37.2	55.8

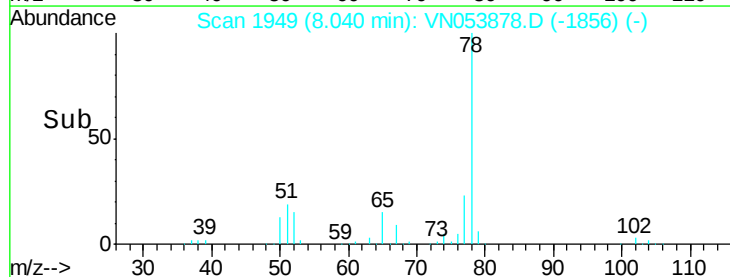
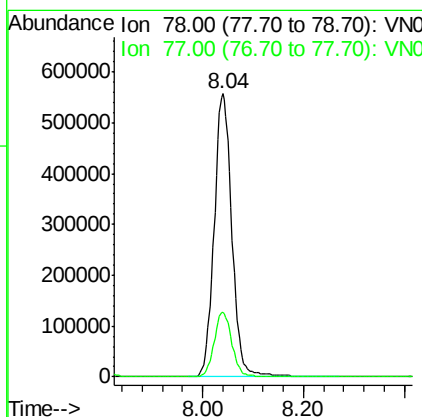
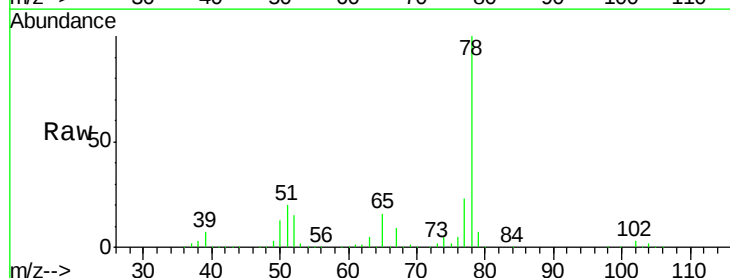
Manual Integrations
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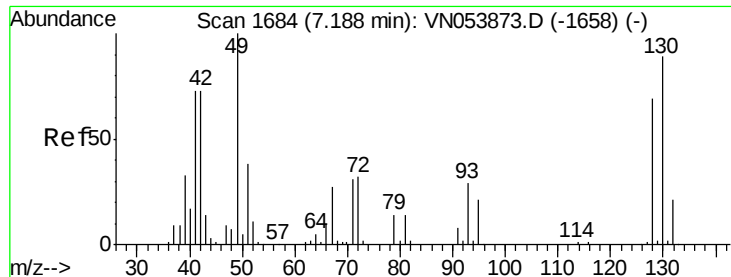
MMDadoda
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#40
Benzene
Concen: 50.120 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2





#41

Methacrylonitrile

Concen: 37.788 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.02 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 114177

Ion Ratio Lower Upper

41 100

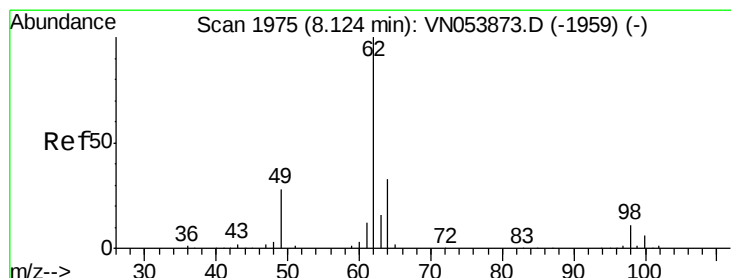
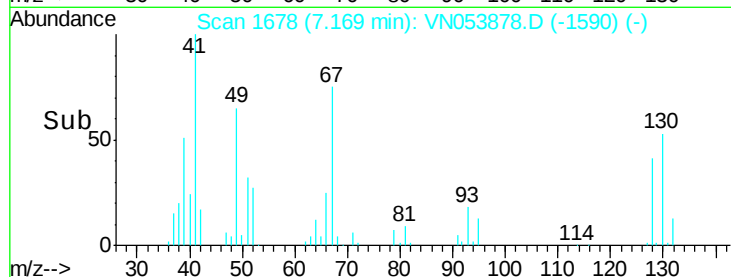
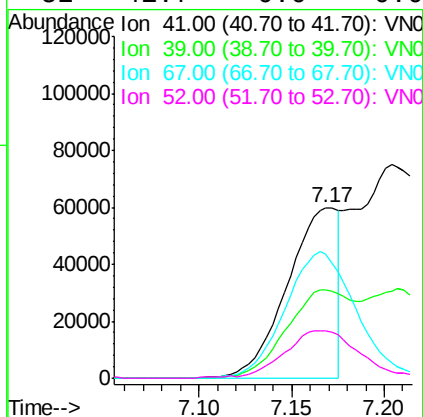
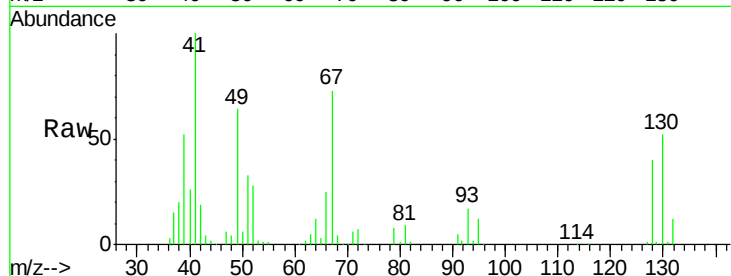
39 66.7 0.0 0.0#

67 105.1 0.0 0.0#

52 41.7 0.0 0.0#

Manual Integrations
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MMDadoda
2/22/2019 10:30:36 AM



#42

1,2-Dichloroethane

Concen: 48.975 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN053878.D

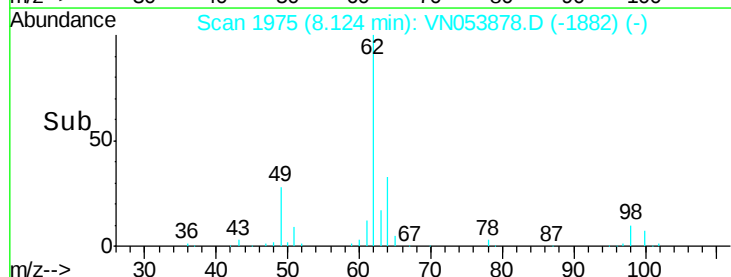
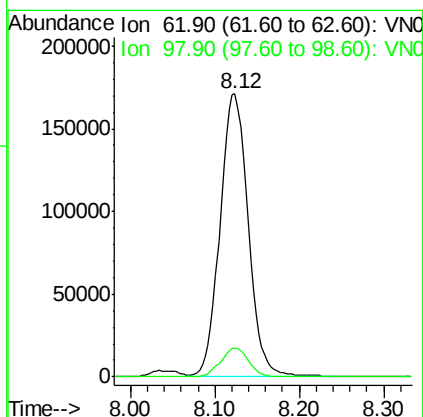
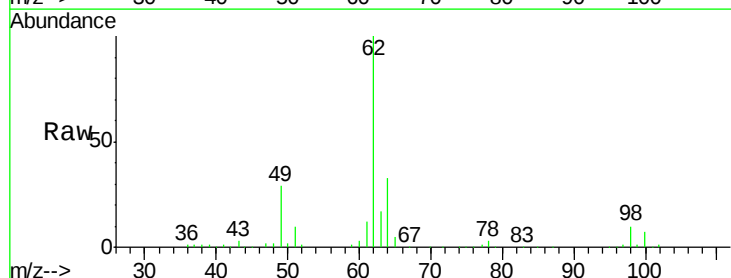
Acq: 21 Feb 2019 8:34

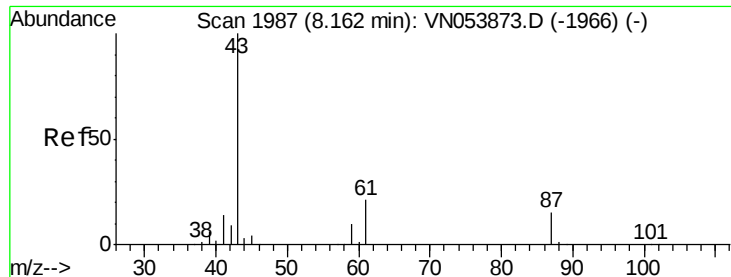
Tgt Ion: 62 Resp: 396604

Ion Ratio Lower Upper

62 100

98 10.0 0.0 20.8





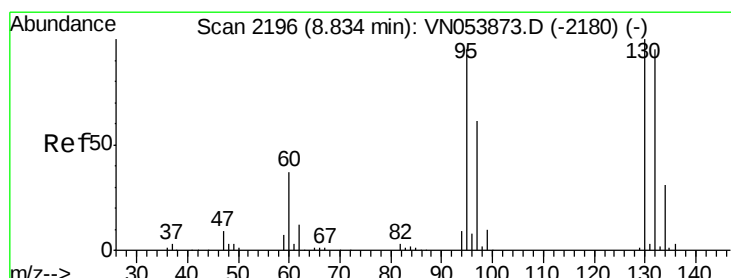
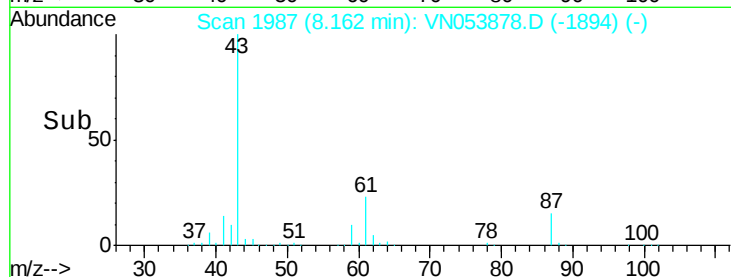
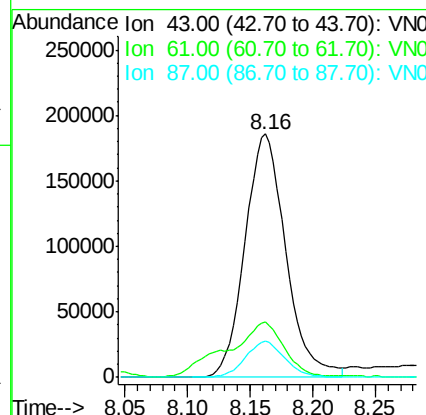
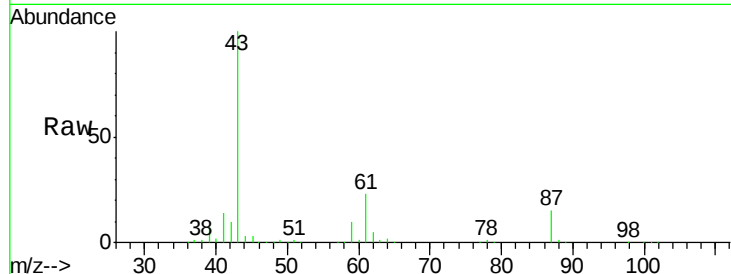
#43
Isopropyl Acetate
Concen: 42.847 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.6	17.4	26.0
87	14.5	11.5	17.3

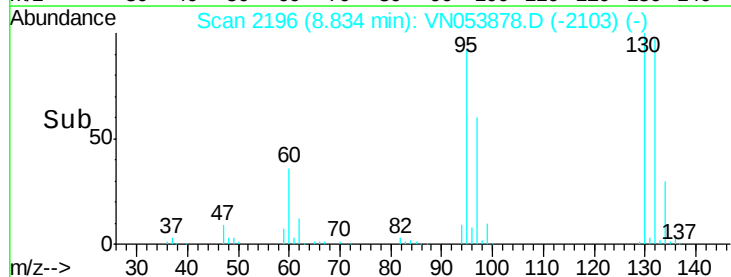
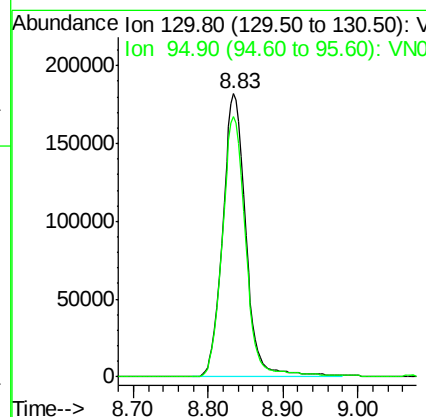
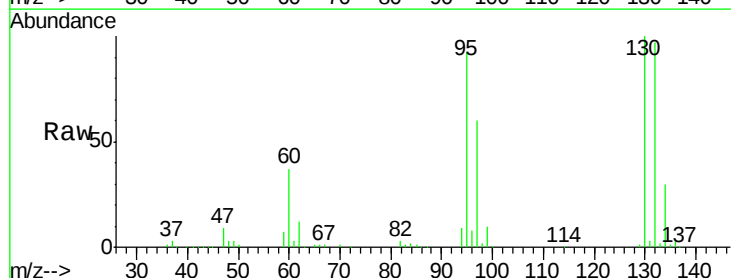
Manual Integrations
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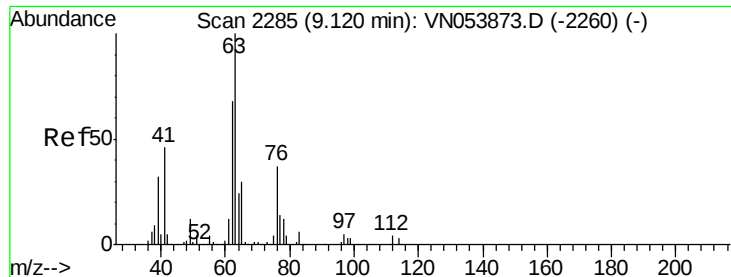
MMDadoda
2/22/2019 10:30:36 AM



#44
Trichloroethene
Concen: 51.454 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	190.0





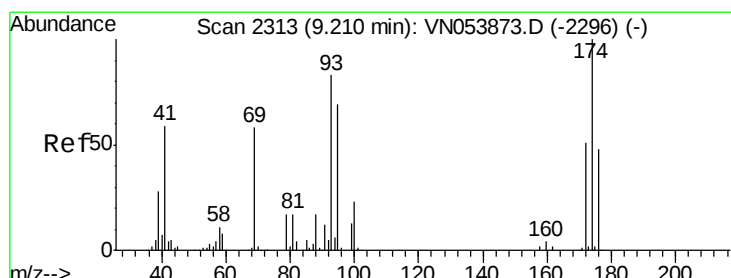
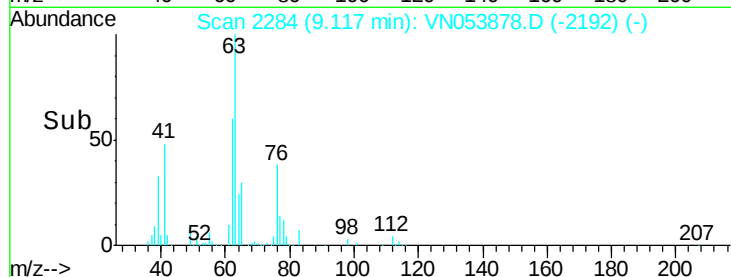
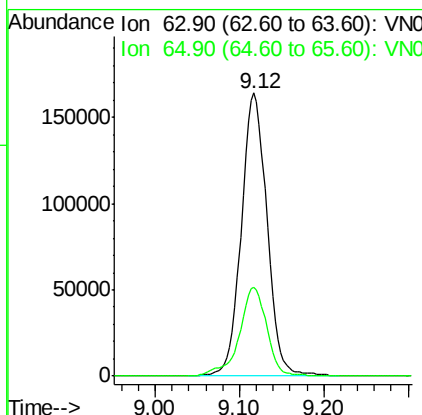
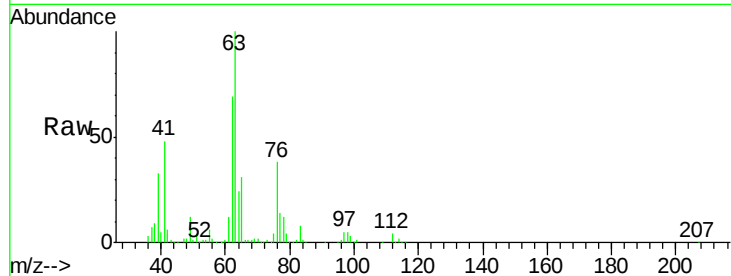
#45
 1,2-Dichloropropane
 Concen: 50.416 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.3	36.5

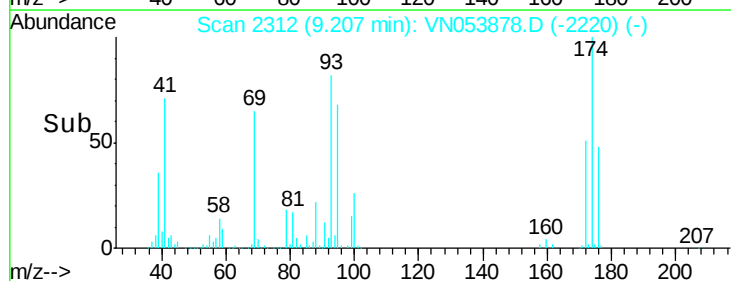
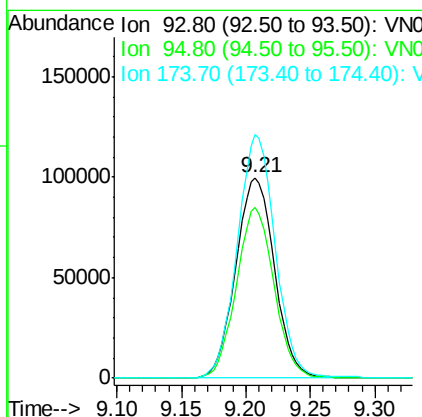
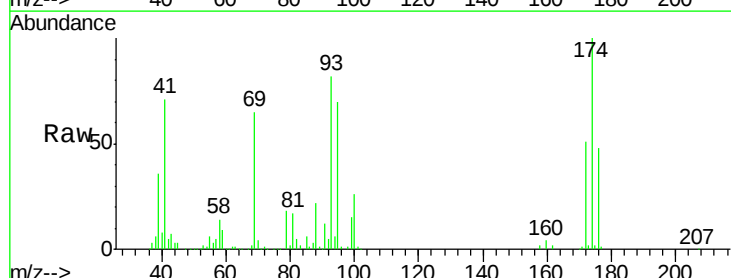
Manual Integrations
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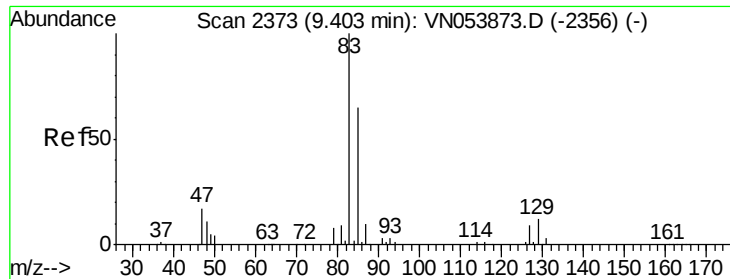
MMDadoda
 2/22/2019 10:30:36 AM



#46
 Dibromomethane
 Concen: 49.901 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	66.6	100.0
174	118.9	96.2	144.4





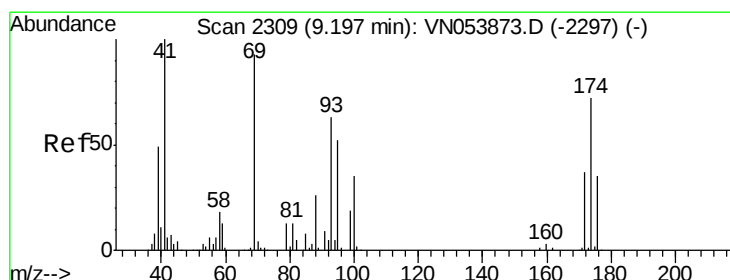
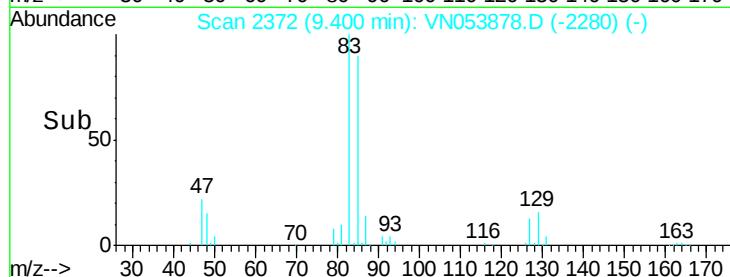
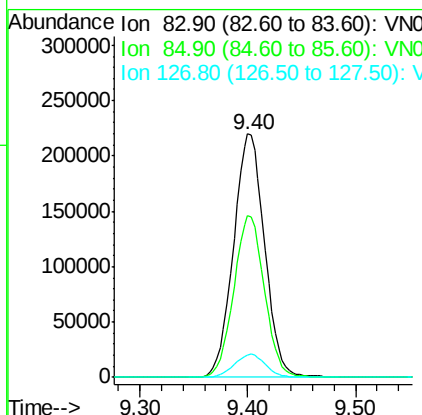
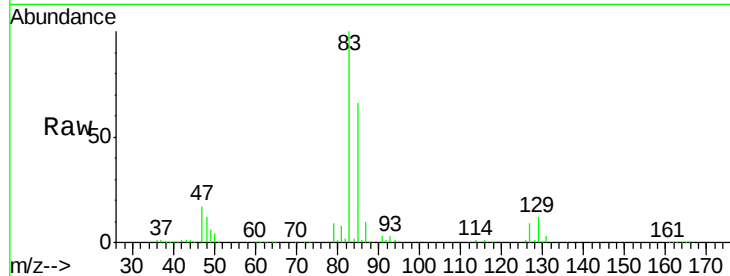
#47
Bromodichloromethane
Concen: 50.122 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	441528
Ion Ratio	100	Lower	Upper
83	100		
85	66.2	51.8	77.6
127	9.3	7.4	11.0

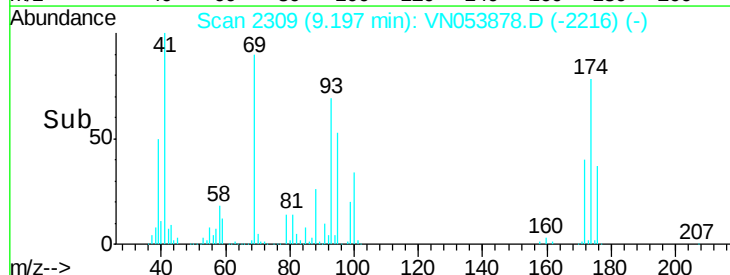
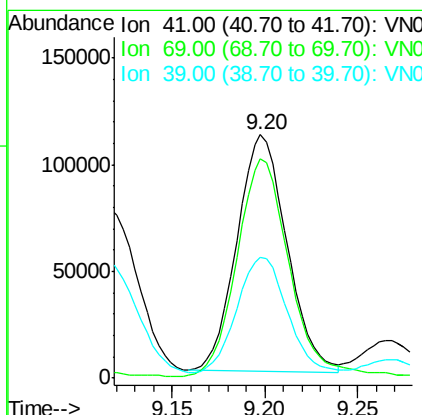
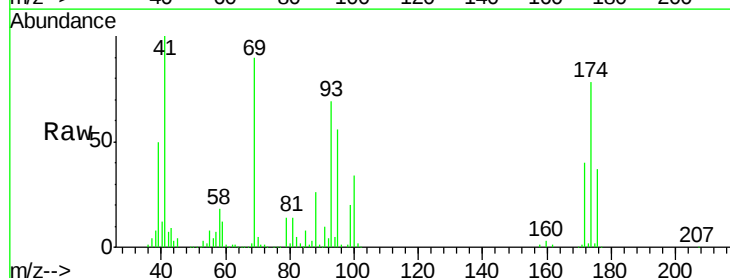
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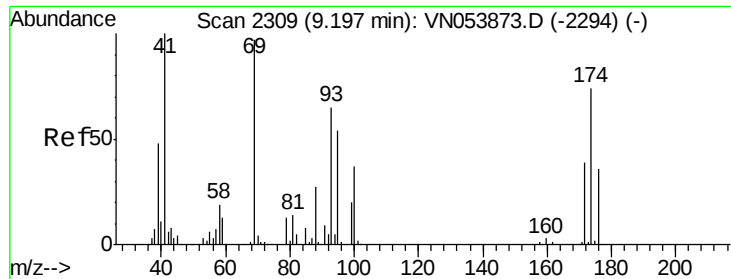
MMDadoda
2/22/2019 10:30:36 AM



#48
Methyl methacrylate
Concen: 49.562 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion	41	Resp	208272
Ion Ratio	100	Lower	Upper
41	100		
69	99.4	74.8	112.2
39	54.0	39.0	58.6





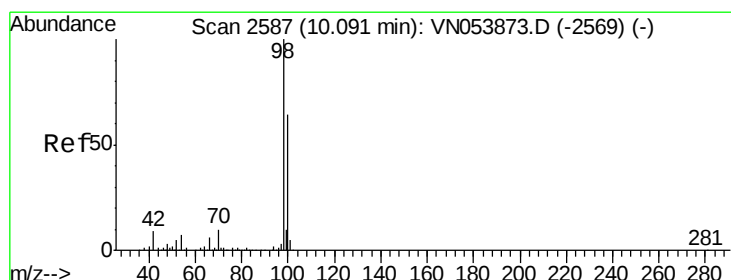
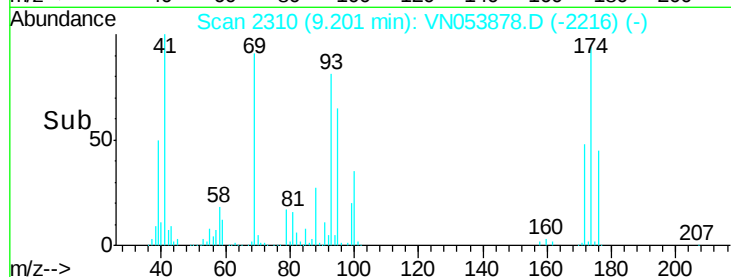
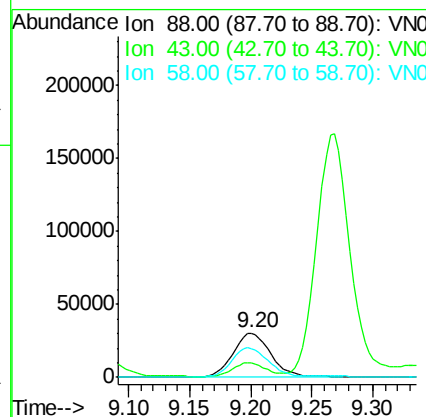
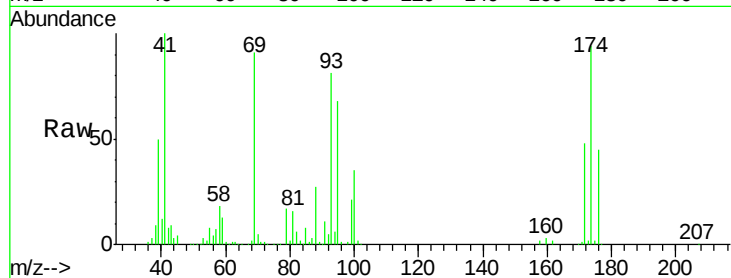
#49
1,4-Dioxane
Concen: 965.365 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.3	21.2	31.8
58	66.3	54.2	81.2

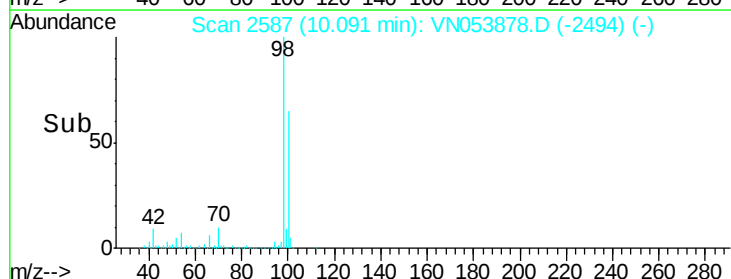
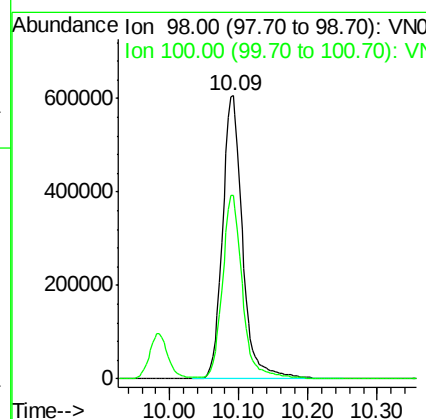
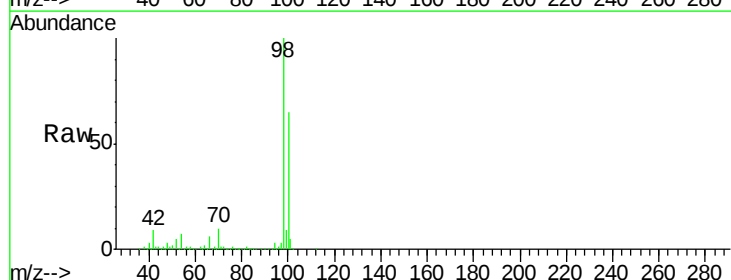
Manual Integrations
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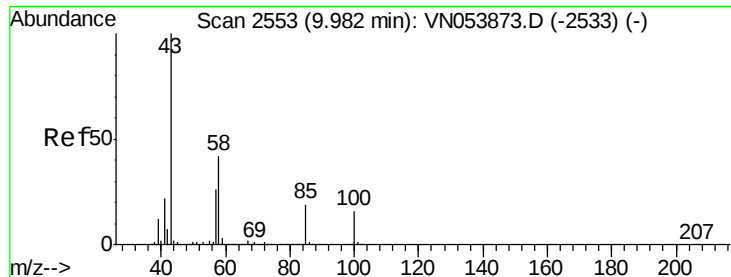
MMDadoda
2/22/2019 10:30:36 AM



#50
Toluene-d8
Concen: 51.175 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 227.992 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1145128

Ion Ratio Lower Upper

43 100

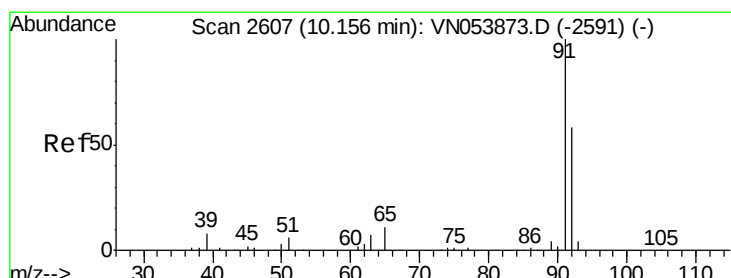
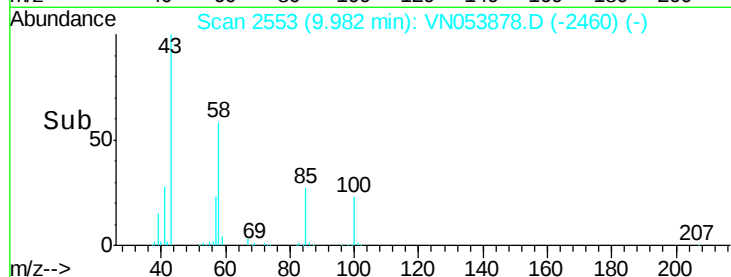
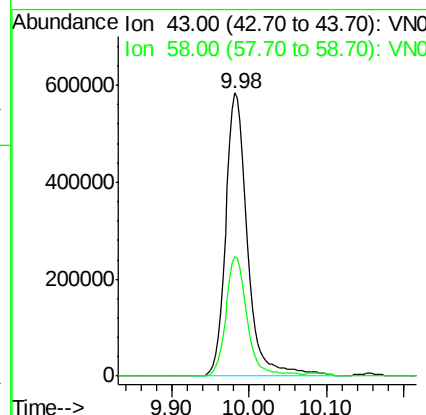
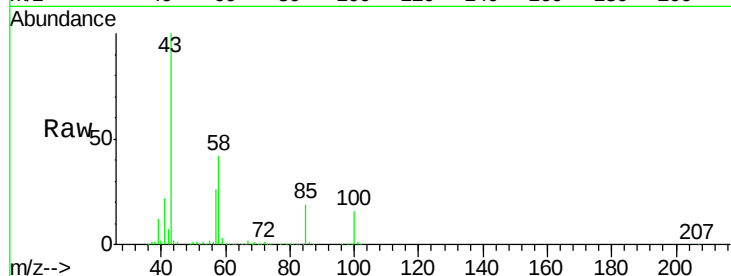
58 41.4 32.7 49.1

Manual Integrations

APPROVED

MMDadoda

2/22/2019 10:30:36 AM



#52

Toluene

Concen: 51.536 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053878.D

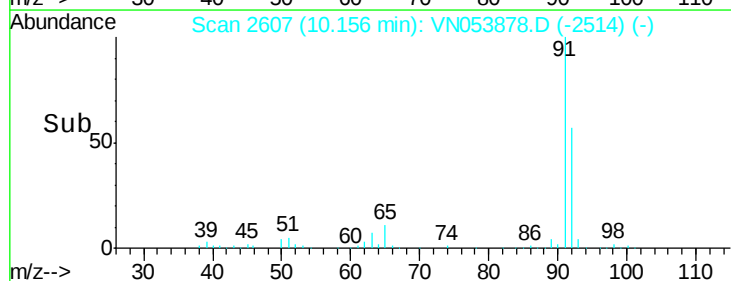
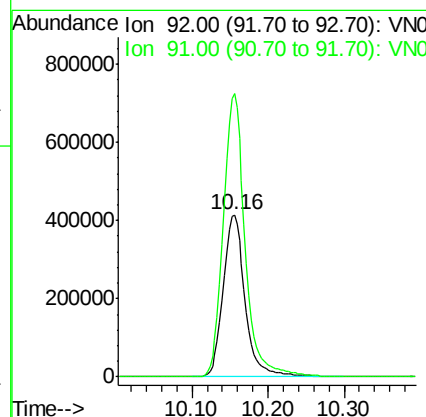
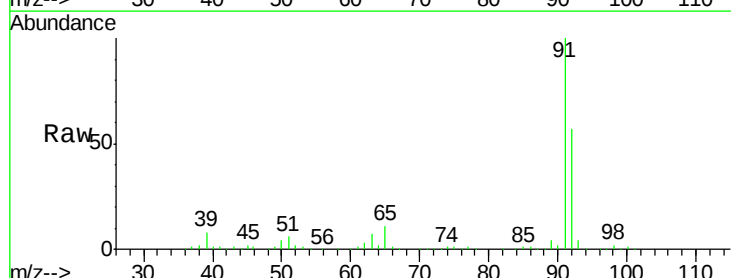
Acq: 21 Feb 2019 8:34

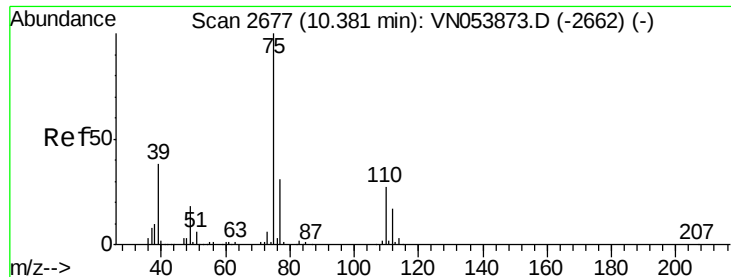
Tgt Ion: 92 Resp: 829610

Ion Ratio Lower Upper

92 100

91 174.2 138.4 207.6





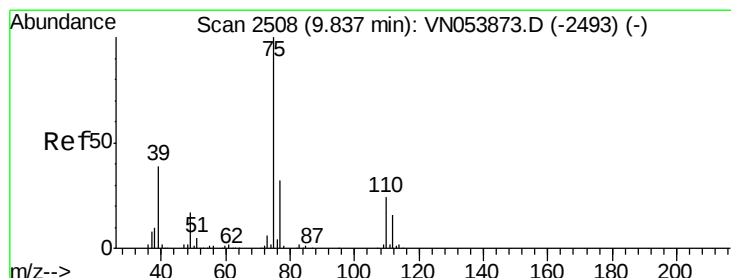
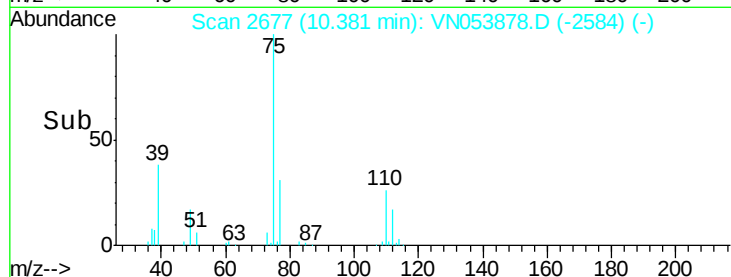
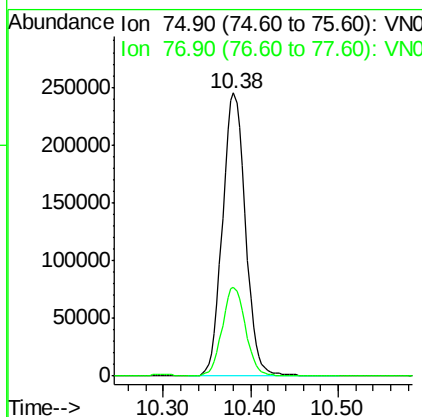
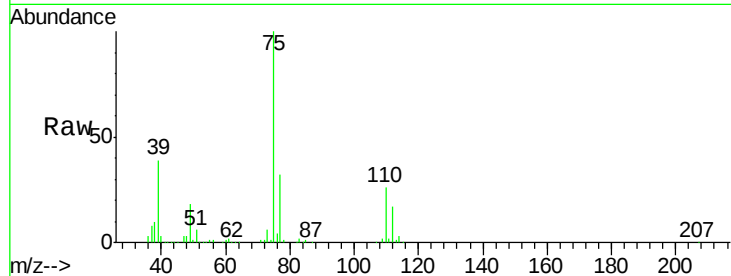
#53
t-1,3-Dichloropropene
Concen: 52.336 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 447683
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6

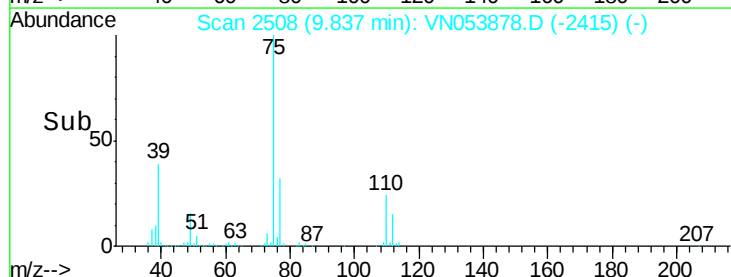
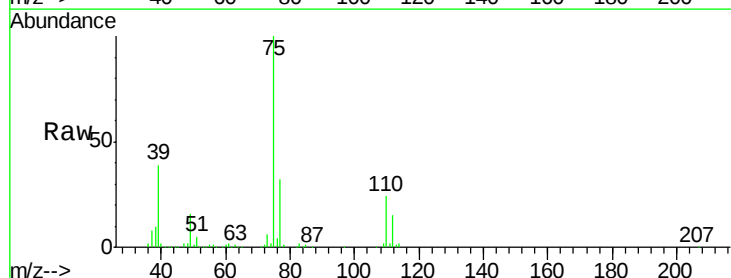
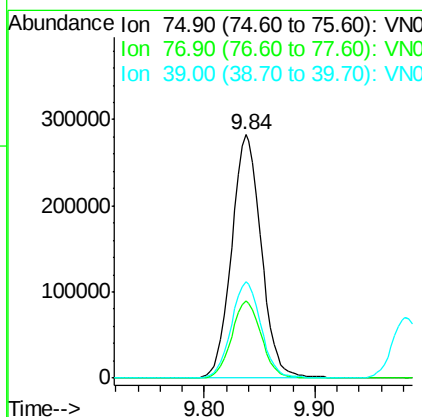
Manual Integrations
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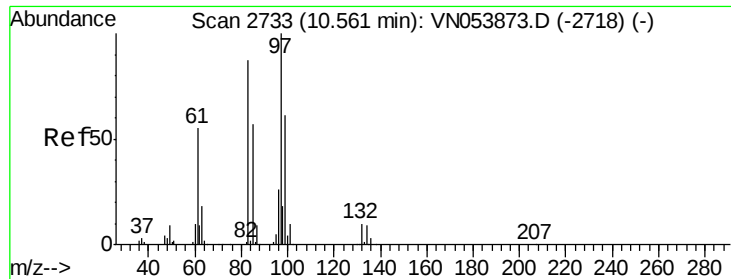
MMDadoda
2/22/2019 10:30:36 AM



#54
cis-1,3-Dichloropropene
Concen: 52.046 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion: 75 Resp: 524735
Ion Ratio Lower Upper
75 100
77 31.5 25.8 38.6
39 39.4 31.4 47.0





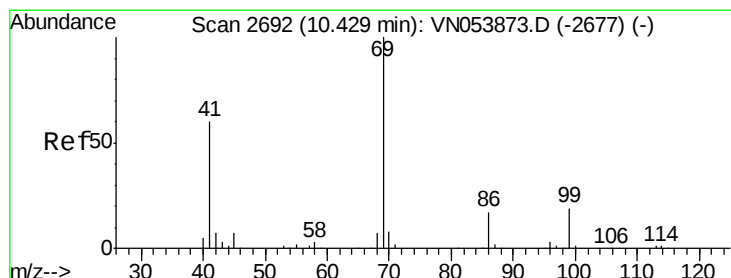
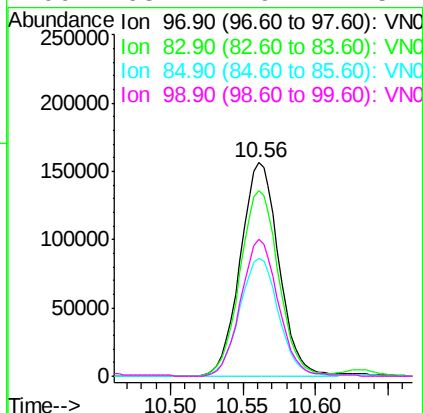
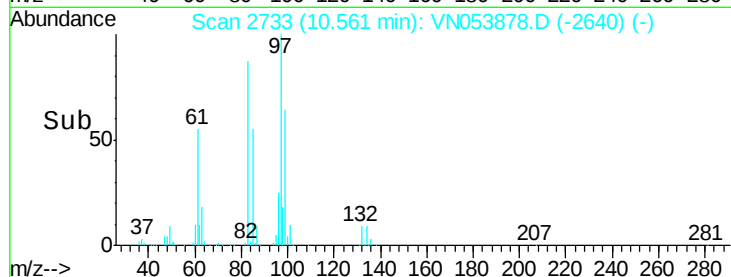
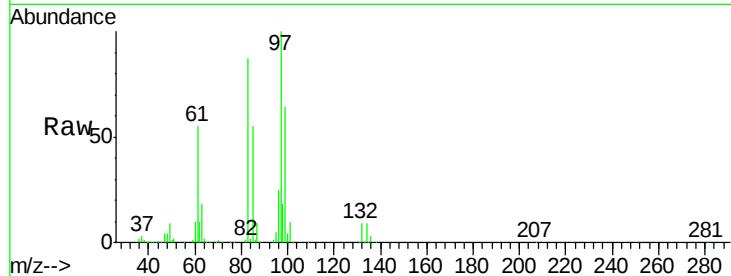
#55
 1,1,2-Trichloroethane
 Concen: 49.180 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		289406		
83	87.1	69.5	104.3		
85	55.2	45.9	68.9		
99	63.7	49.1	73.7		

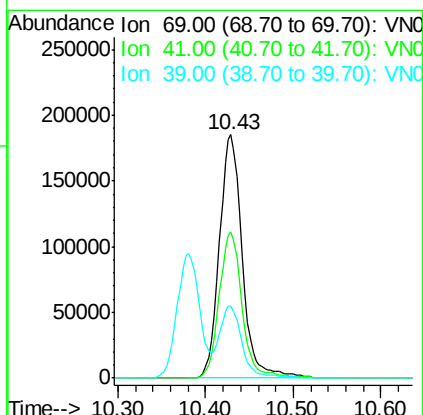
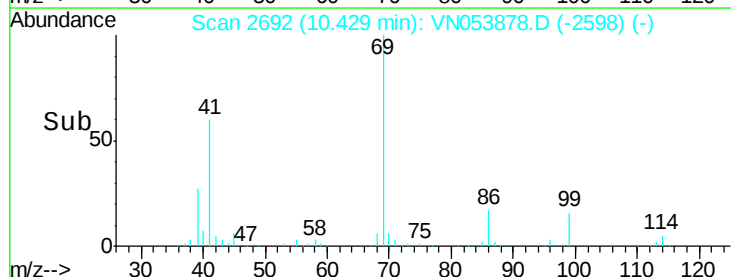
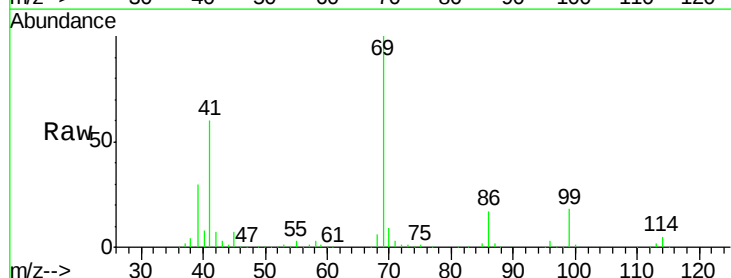
Manual Integrations
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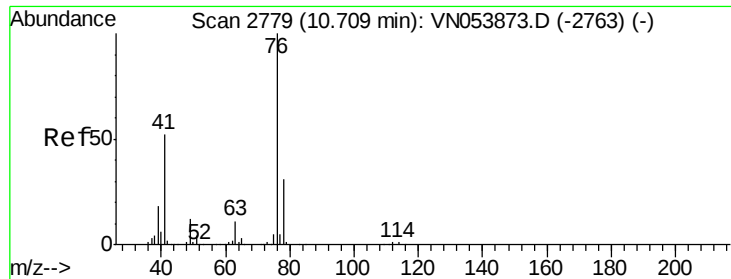
MMDadoda
 2/22/2019 10:30:36 AM



#56
 Ethyl methacrylate
 Concen: 44.753 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		336651		
41	59.3	47.5	71.3		
39	29.0	23.4	35.0		





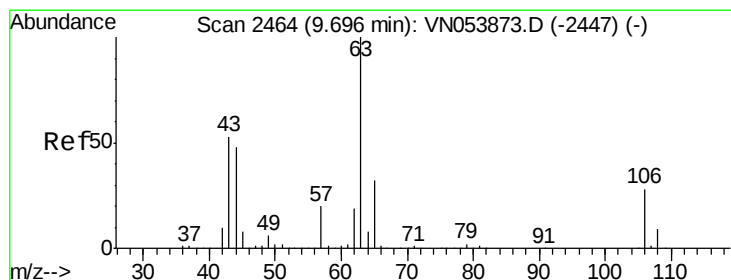
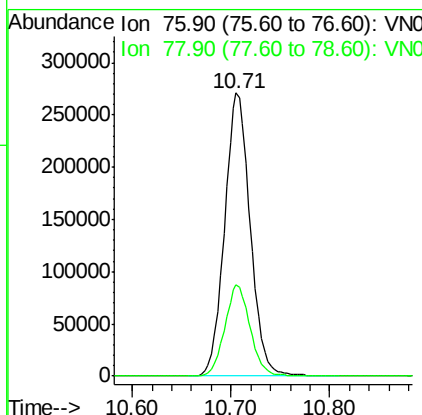
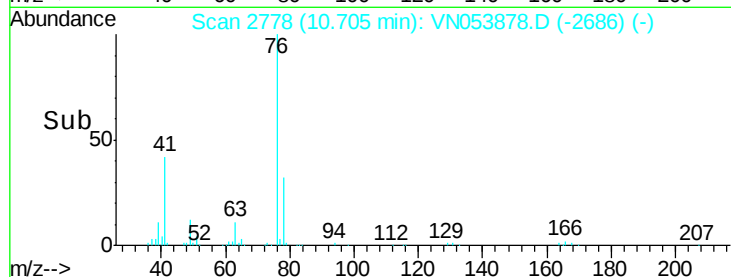
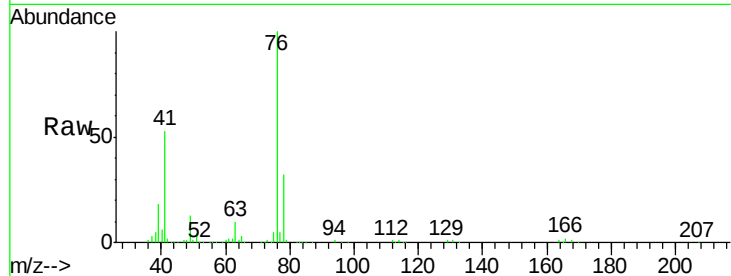
#57
 1,3-Dichloropropane
 Concen: 49.718 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 492619
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8

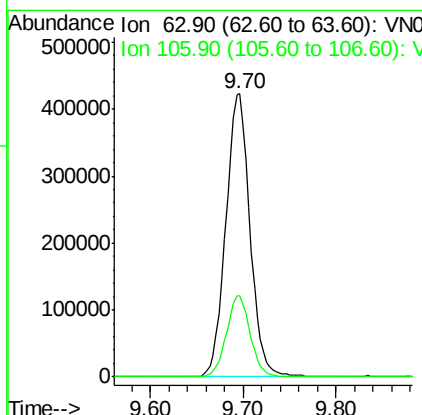
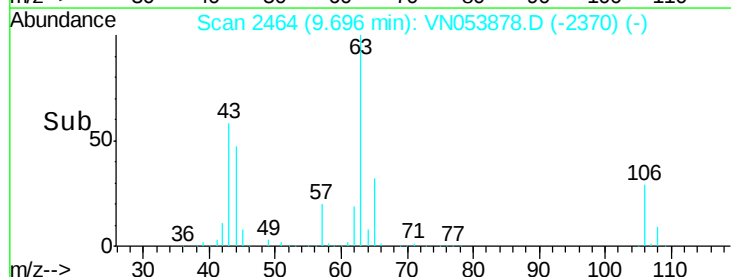
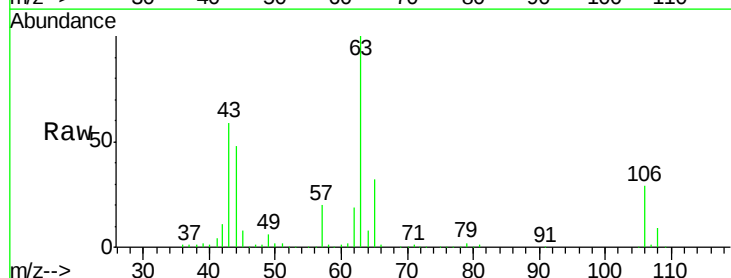
Manual Integrations
 APPROVED

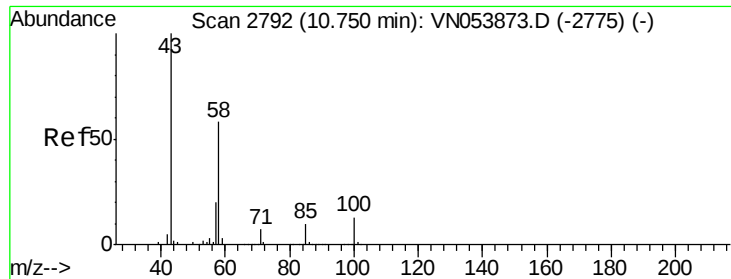
MMDadoda
 2/22/2019 10:30:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.297 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion: 63 Resp: 764854
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.2 33.2





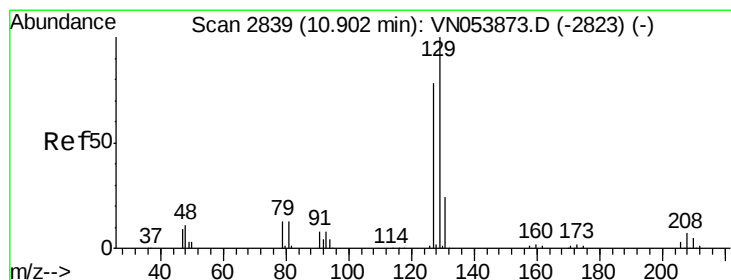
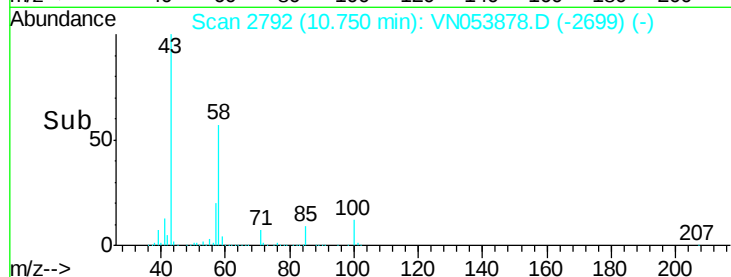
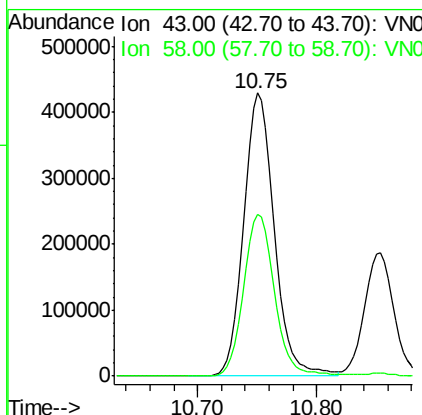
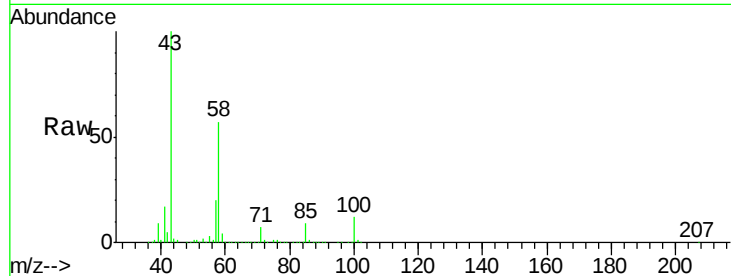
#59
2-Hexanone
Concen: 248.078 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.1	29.1	87.4

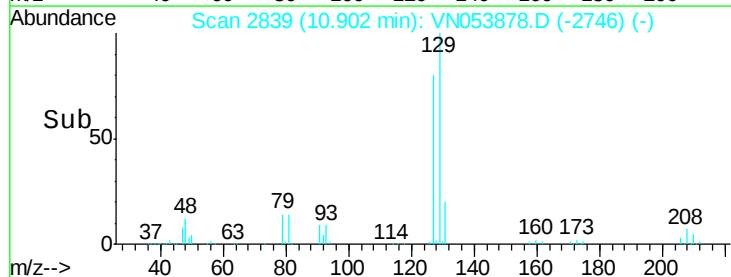
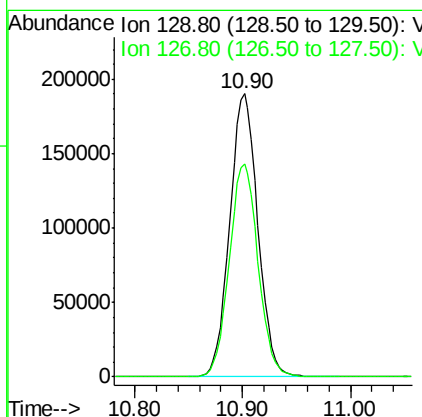
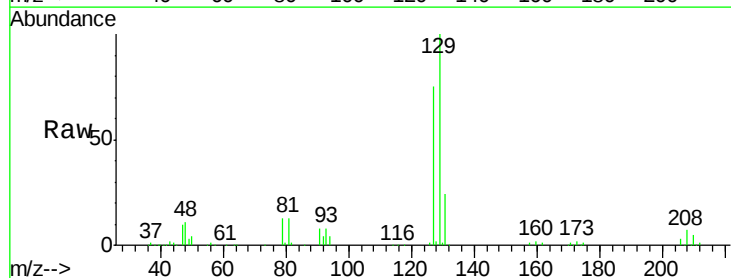
Manual Integrations
APPROVED

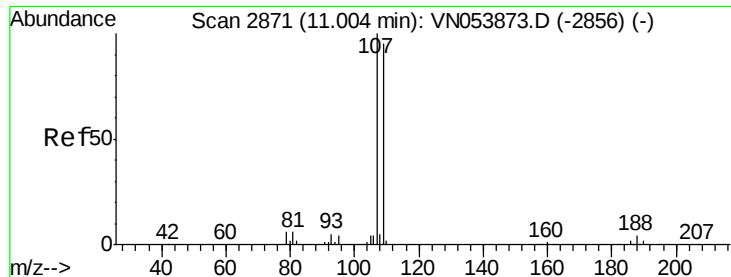
MMDadoda
2/22/2019 10:30:36 AM



#60
Dibromochloromethane
Concen: 50.381 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.8	116.3





#61

1,2-Dibromoethane

Concen: 48.669 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 284533

Ion Ratio Lower Upper

107 100

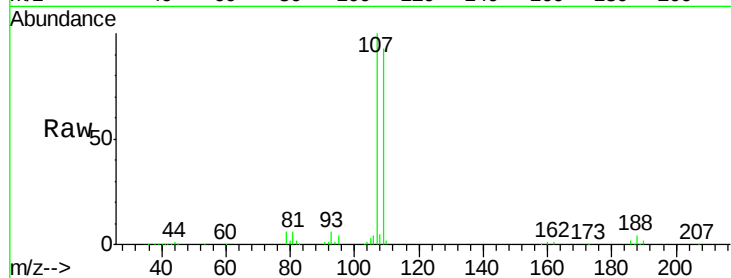
109 94.4 76.3 114.5

Manual Integrations

APPROVED

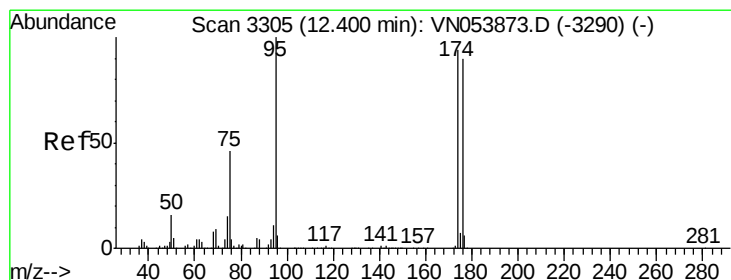
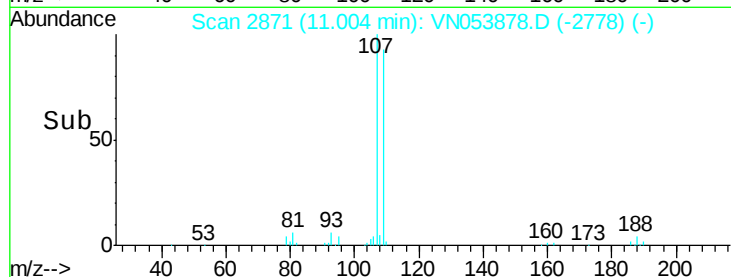
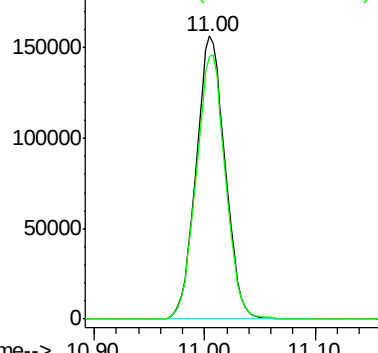
MMDadoda

2/22/2019 10:30:36 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.139 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

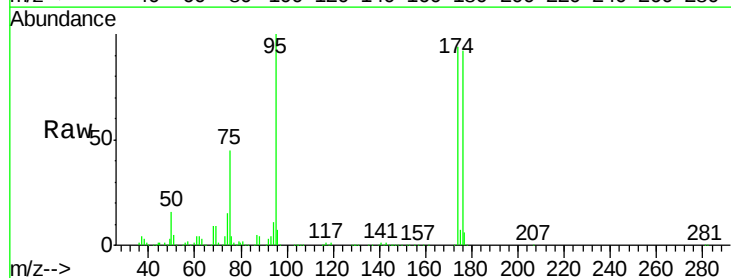
Tgt Ion: 95 Resp: 416856

Ion Ratio Lower Upper

95 100

174 94.9 0.0 188.8

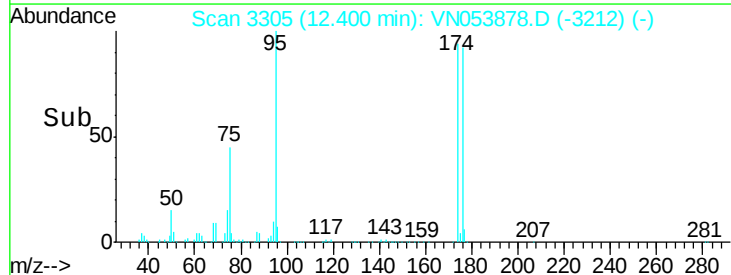
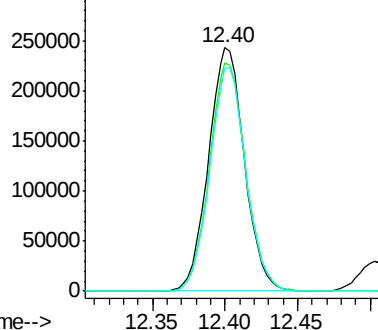
176 92.2 0.0 182.6

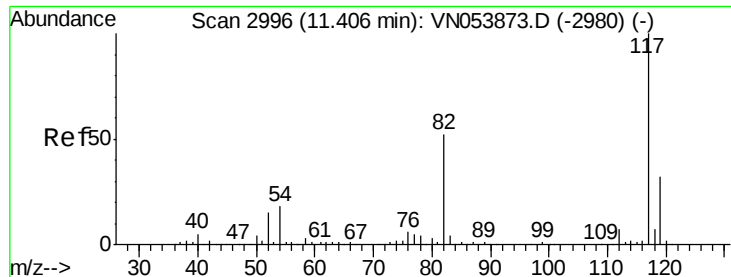


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





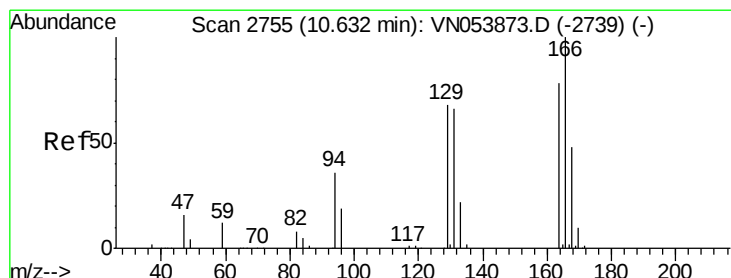
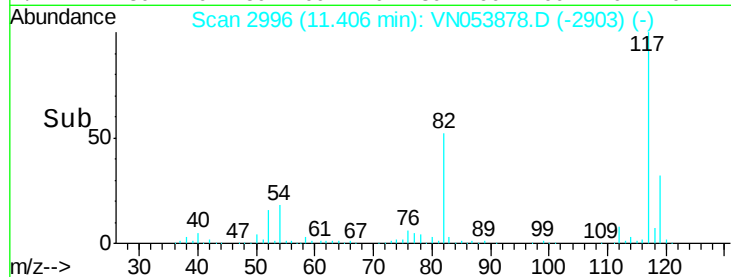
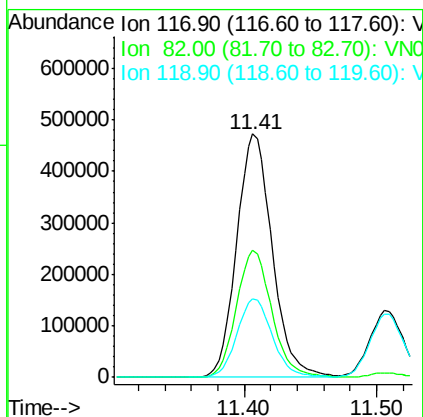
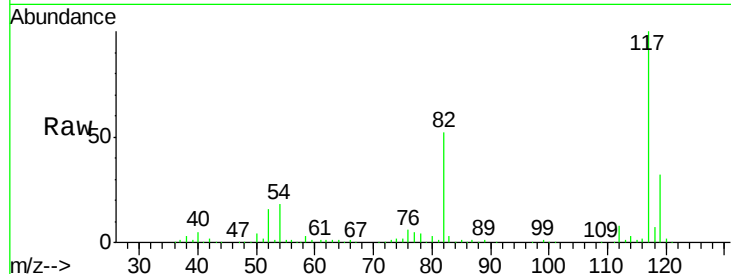
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.4	62.2
119	32.3	25.3	37.9

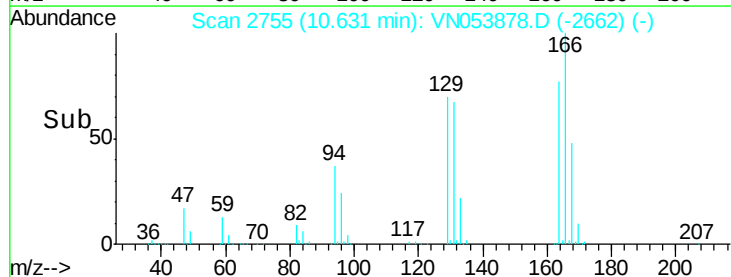
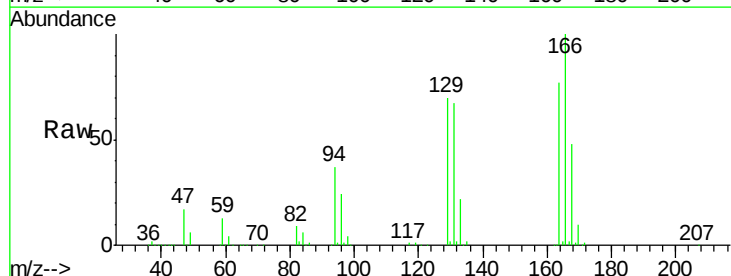
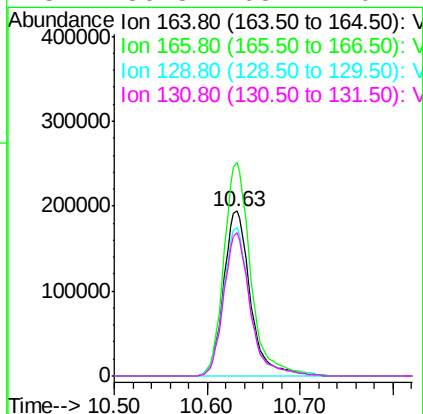
Manual Integrations
APPROVED

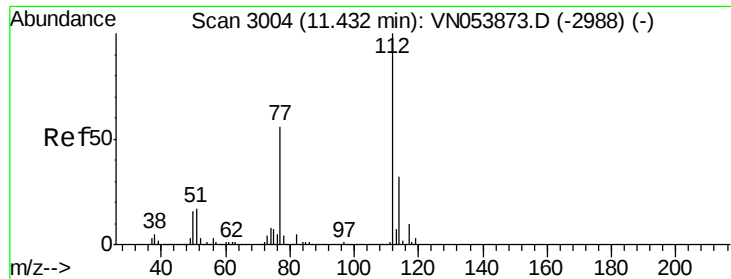
MMDadoda
2/22/2019 10:30:36 AM



#64
Tetrachloroethene
Concen: 49.289 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	102.6	153.8
129	90.3	69.4	104.0
131	86.8	68.1	102.1





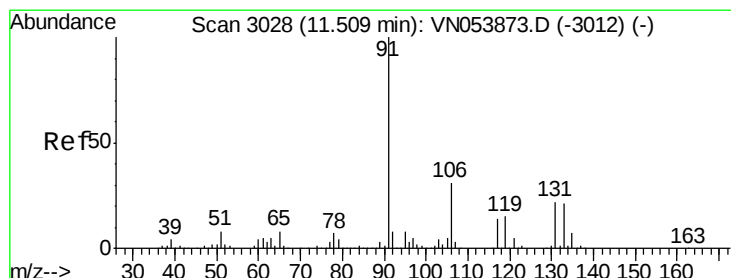
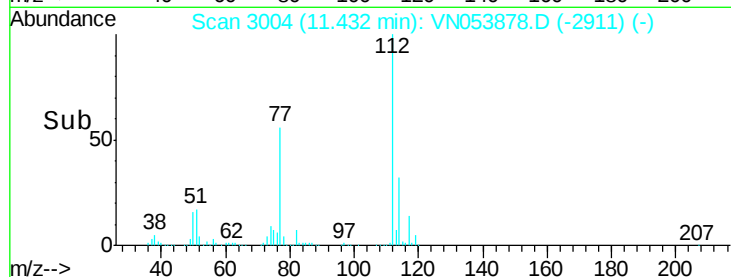
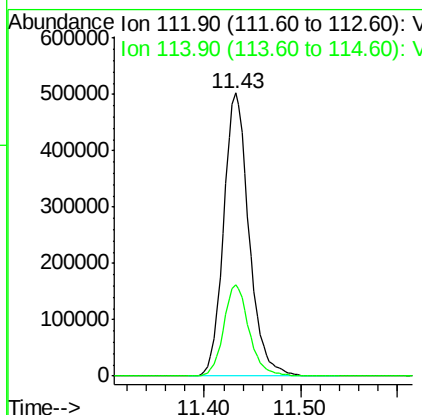
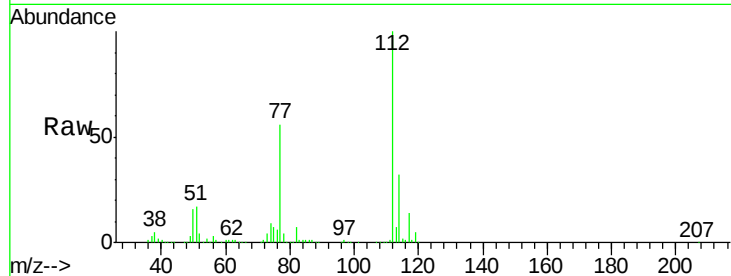
#65
Chlorobenzene
Concen: 49.512 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 914088
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

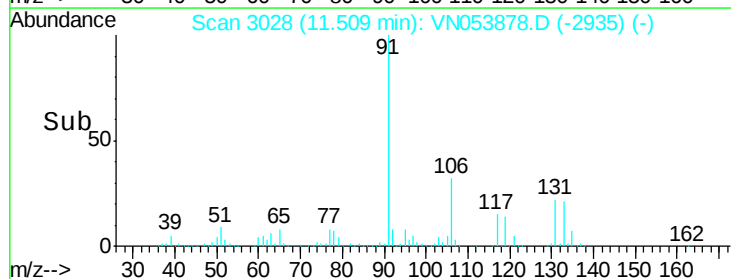
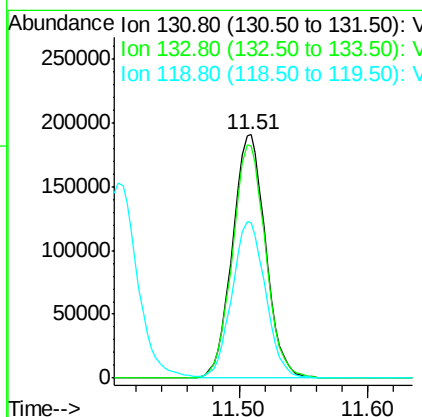
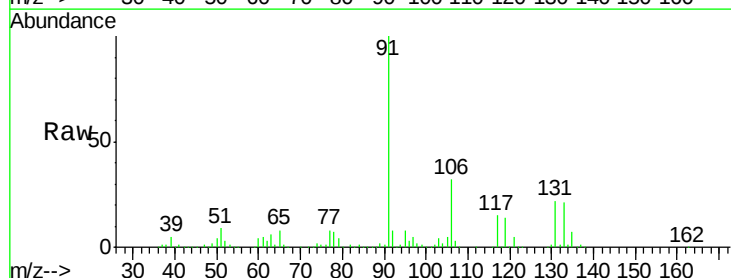
Manual Integrations
APPROVED

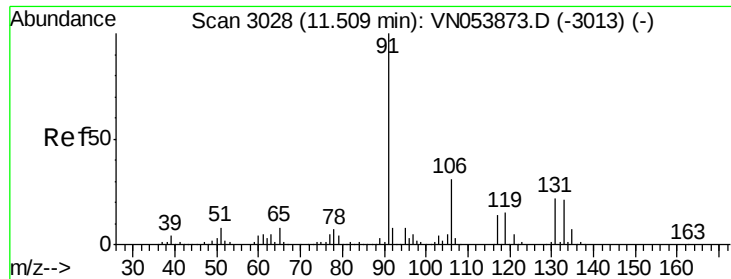
MMDadoda
2/22/2019 10:30:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.463 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion:131 Resp: 339975
Ion Ratio Lower Upper
131 100
133 95.9 47.7 143.1
119 65.0 33.1 99.3





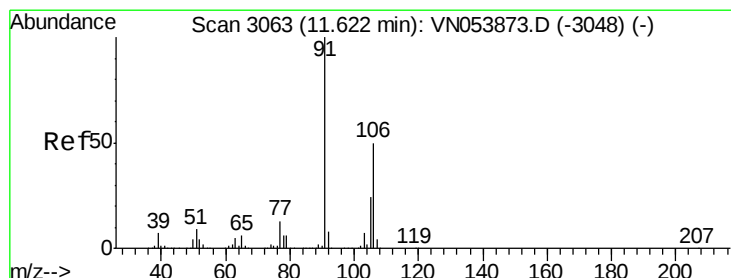
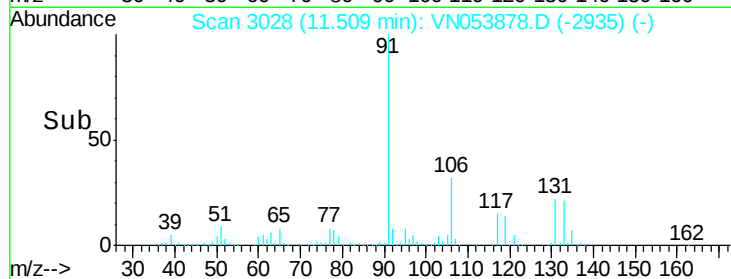
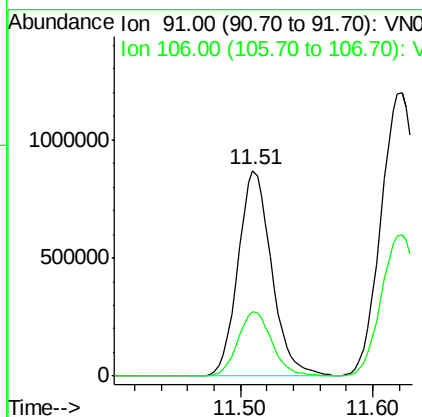
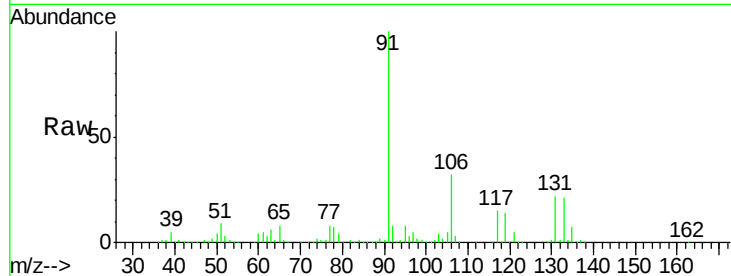
#67
Ethyl Benzene
Concen: 51.318 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1533318
Ion Ratio Lower Upper
91 100
106 31.6 25.2 37.8

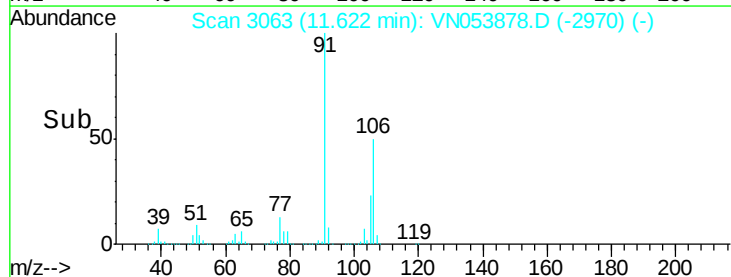
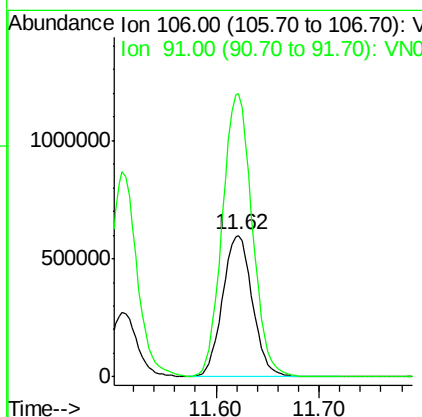
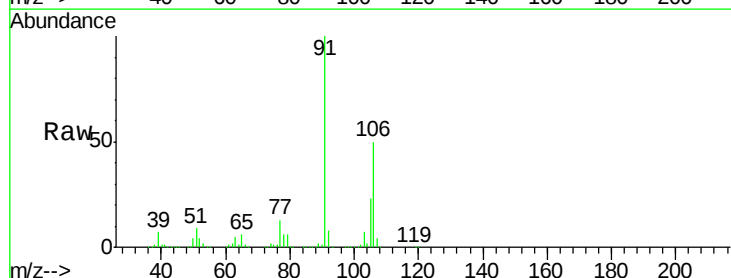
Manual Integrations
APPROVED

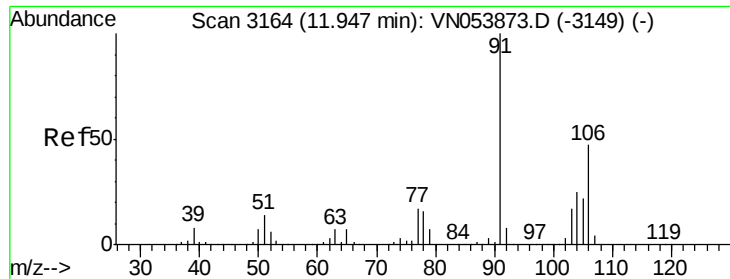
MMDadoda
2/22/2019 10:30:36 AM



#68
m/p-Xylenes
Concen: 104.531 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion: 106 Resp: 1209310
Ion Ratio Lower Upper
106 100
91 200.1 158.9 238.3





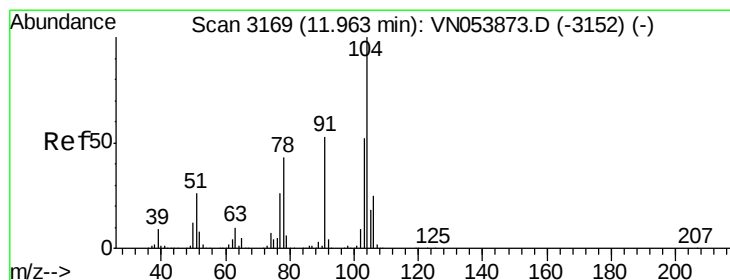
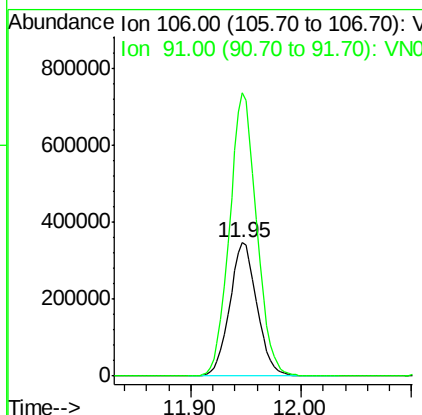
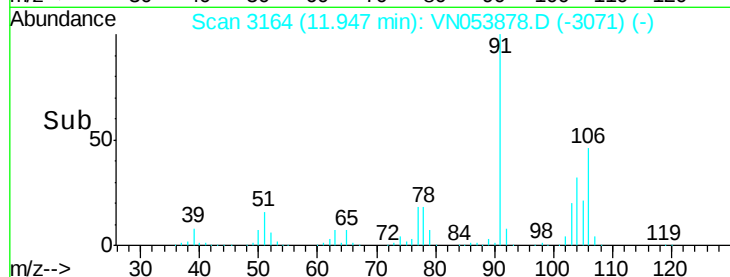
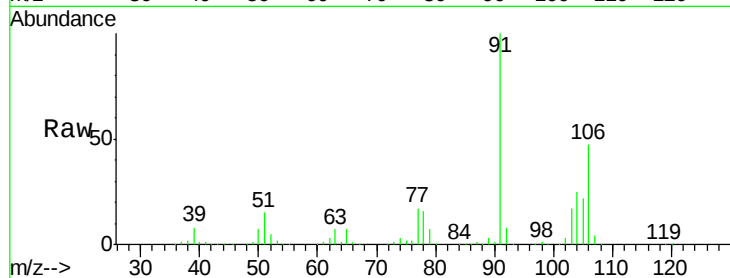
#69
o-Xylene
Concen: 53.463 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 595450
Ion Ratio Lower Upper
106 100
91 210.8 106.0 318.0

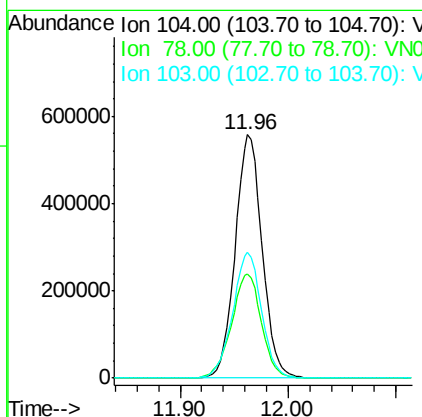
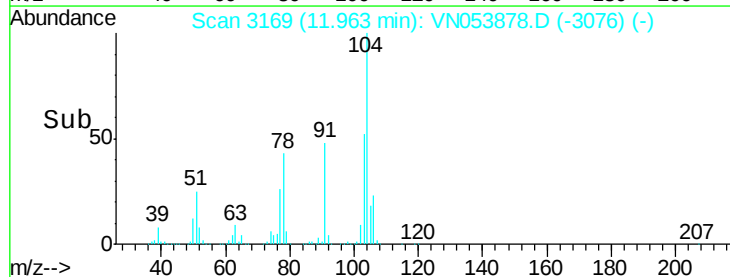
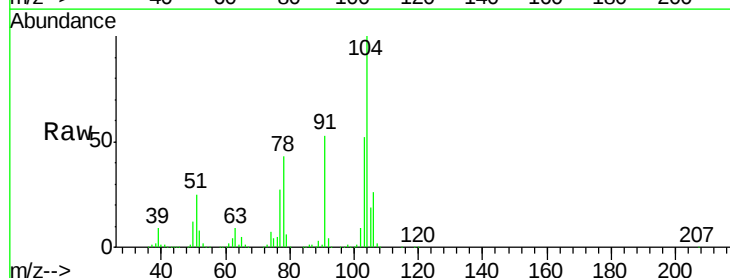
Manual Integrations
APPROVED

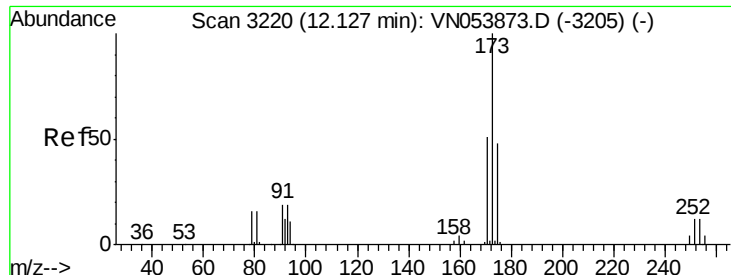
MMDadoda
2/22/2019 10:30:36 AM



#70
Styrene
Concen: 55.668 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion:104 Resp: 972935
Ion Ratio Lower Upper
104 100
78 47.2 38.1 57.1
103 55.5 44.6 67.0





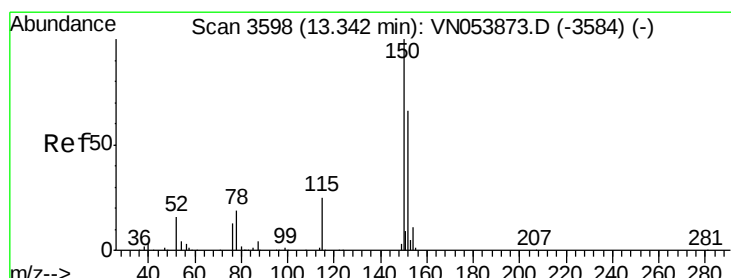
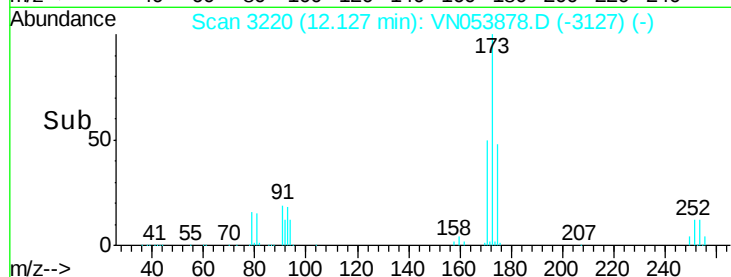
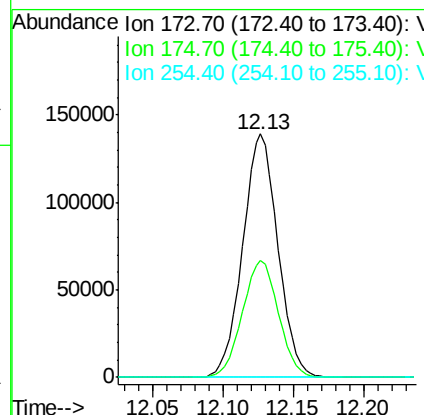
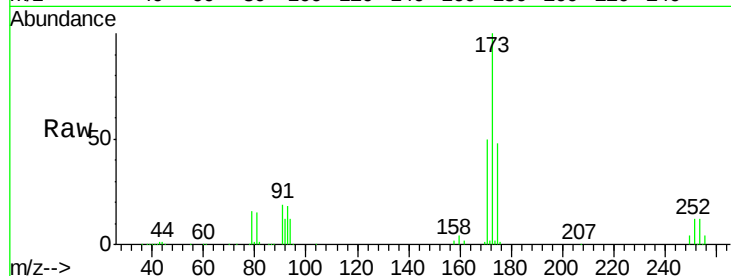
#71
Bromoform
Concen: 50.876 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.1	0.2	0.2

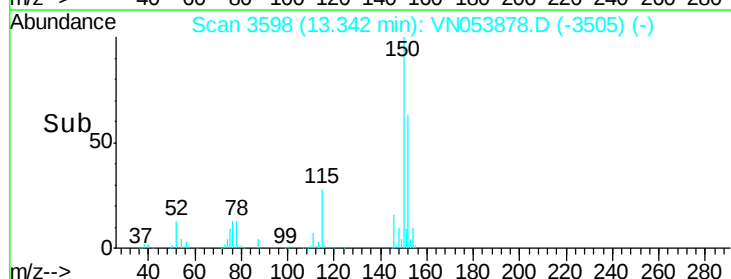
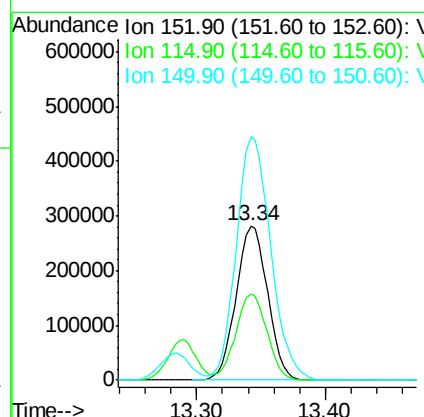
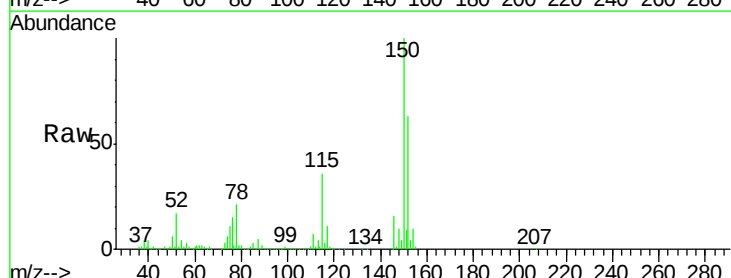
Manual Integrations
APPROVED

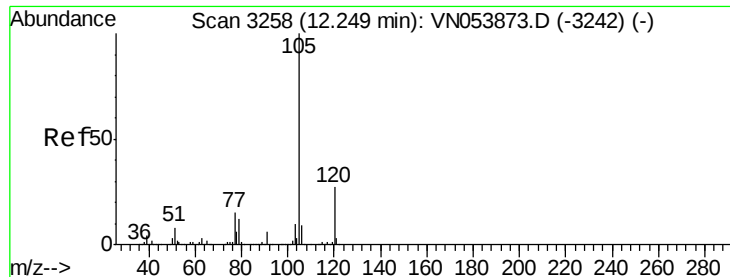
MMDadoda
2/22/2019 10:30:36 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.2	81.6
150	173.4	0.0	348.2





#73

Isopropylbenzene

Concen: 46.556 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1563976

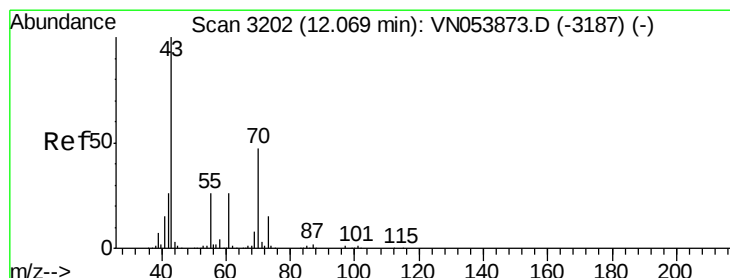
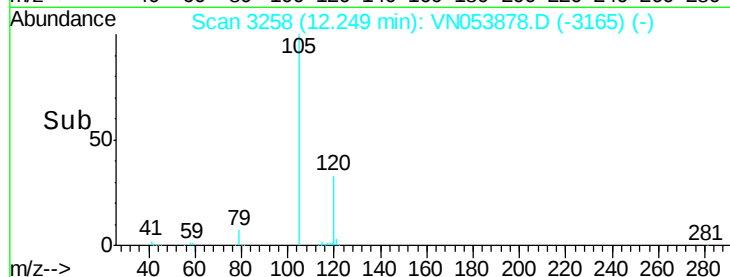
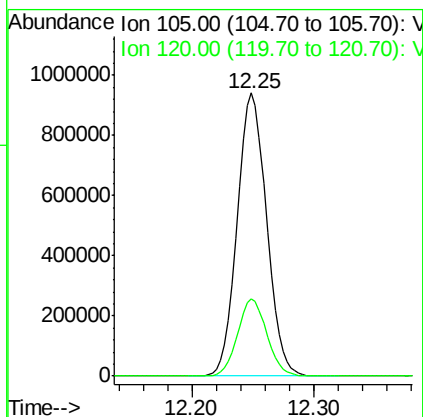
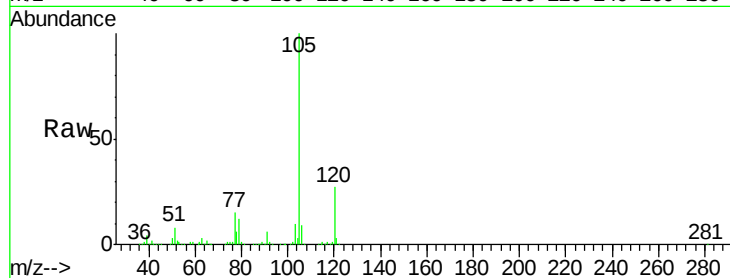
Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5

Manual Integrations
APPROVED

MMDadoda
2/22/2019 10:30:36 AM



#74

N-ethyl acetate

Concen: 44.607 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Tgt Ion: 43 Resp: 344117

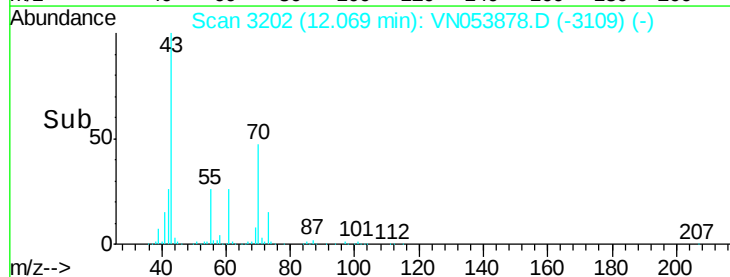
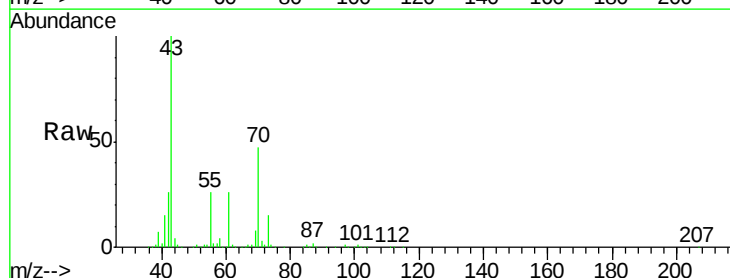
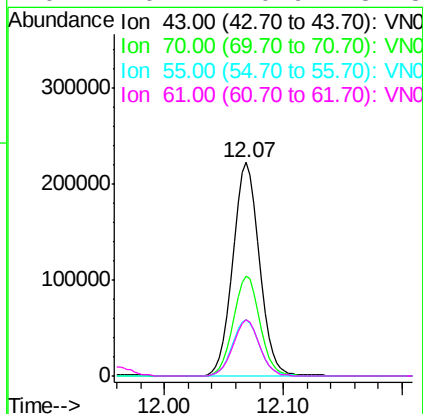
Ion Ratio Lower Upper

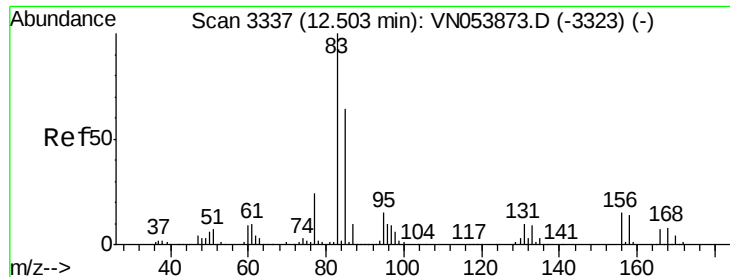
43 100

70 47.0 37.4 56.2

55 27.0 21.4 32.0

61 26.4 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 42.854 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

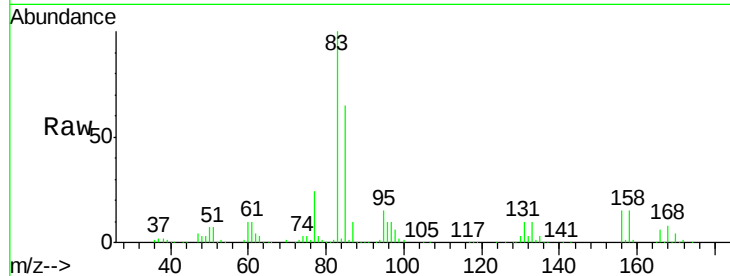
ClientSampleId :

VSTDCCC050

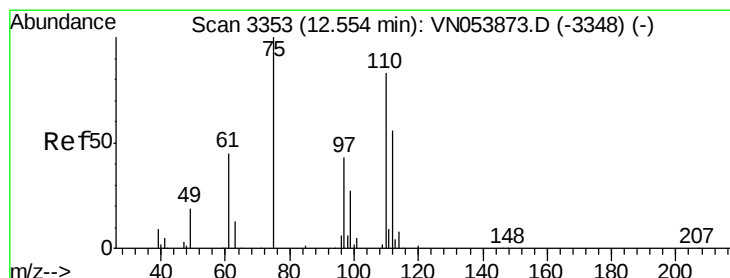
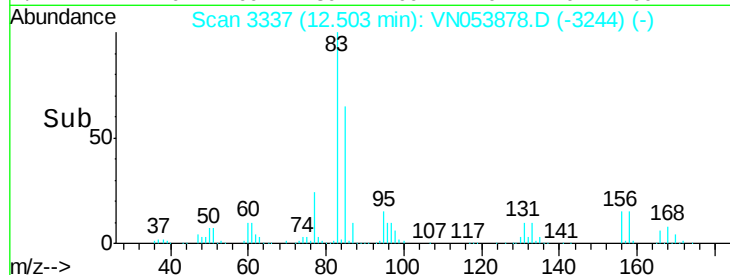
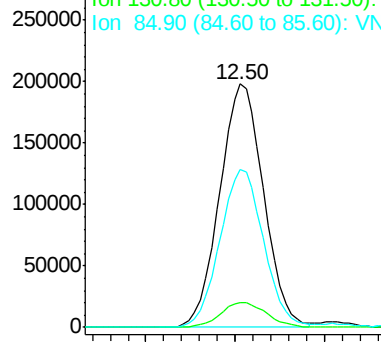
Tot Ion:	83	Resp:	340362
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	64.6	31.9	95.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN053878.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 40.170 ug/l m

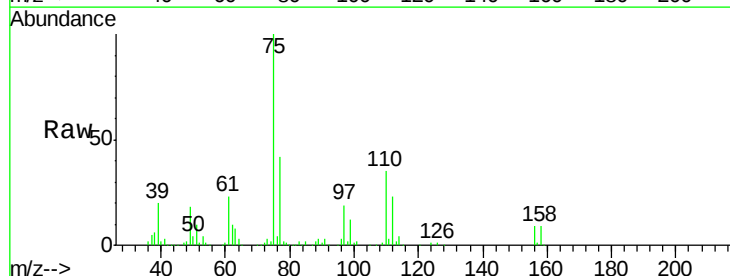
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

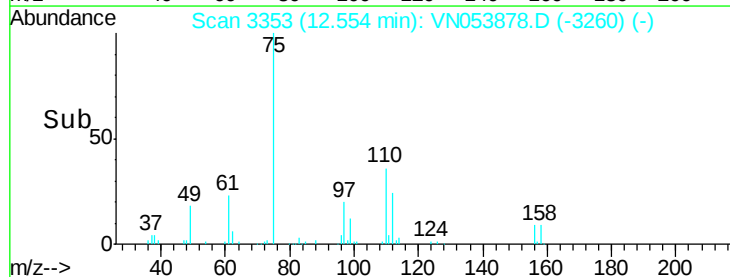
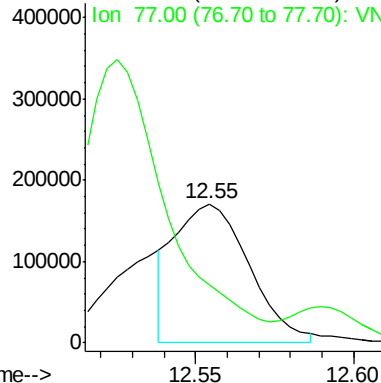
Lab File: VN053878.D

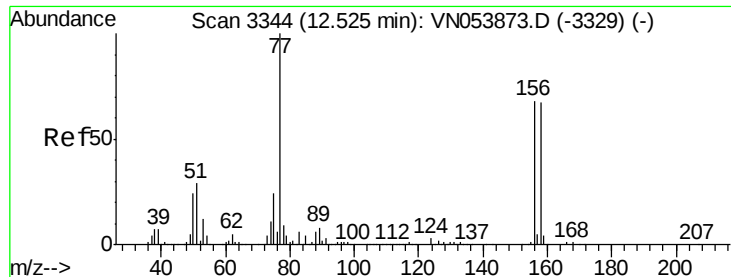
Acq: 21 Feb 2019 8:34

Tgt Ion:	75	Resp:	281203
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053878.D (-3348) (-)





#77

Bromobenzene

Concen: 45.865 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

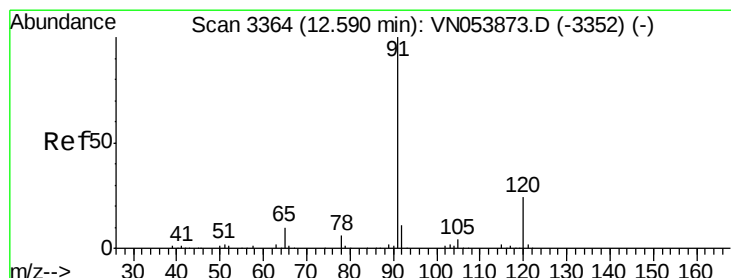
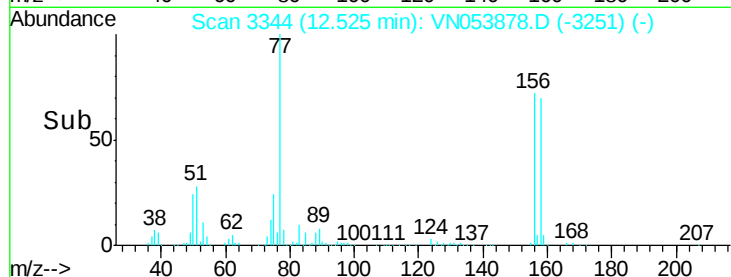
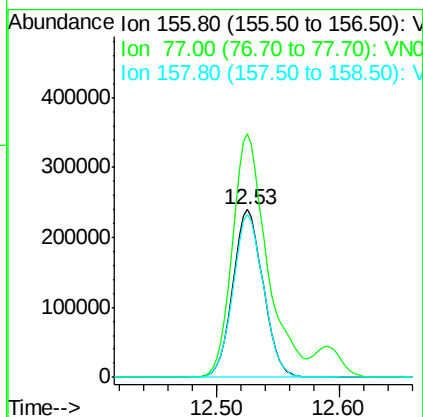
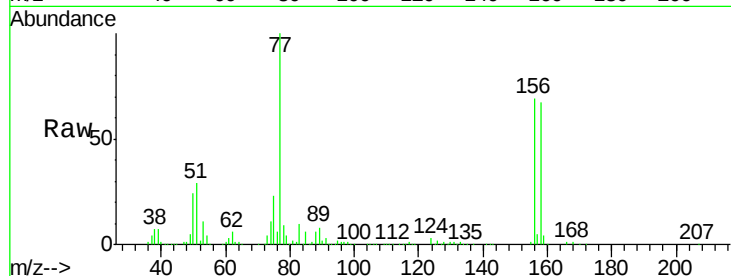
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.3	84.0	252.2
158	97.5	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 49.253 ug/l

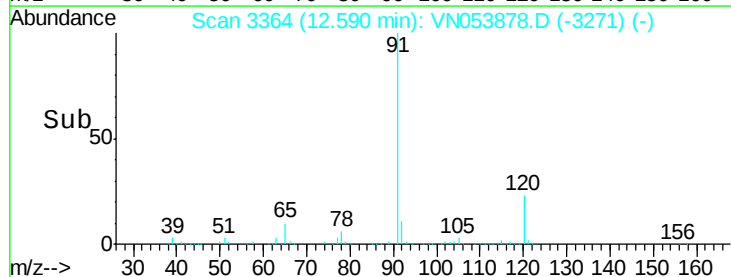
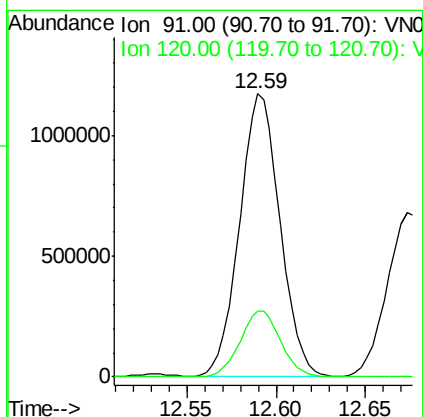
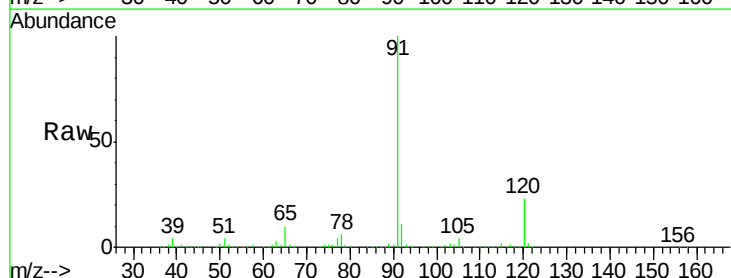
RT: 12.59 min Scan# 3364

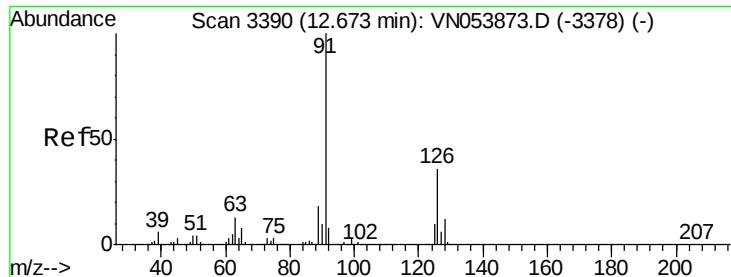
Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.9





#79

2-Chlorotoluene

Concen: 50.933 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1153681

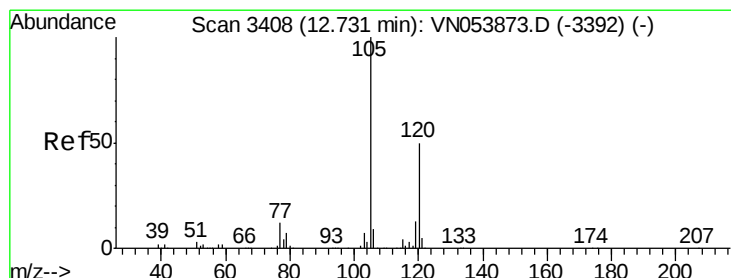
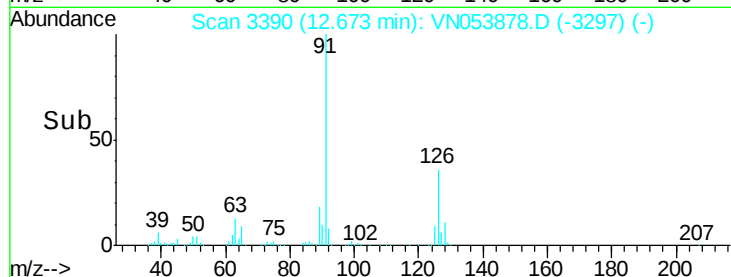
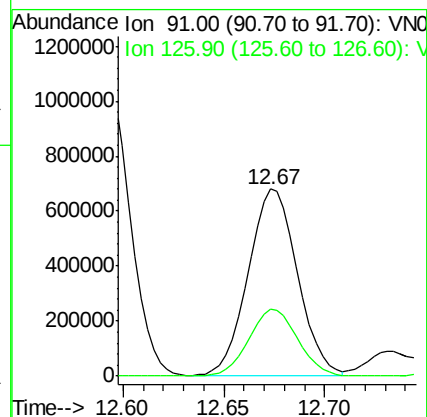
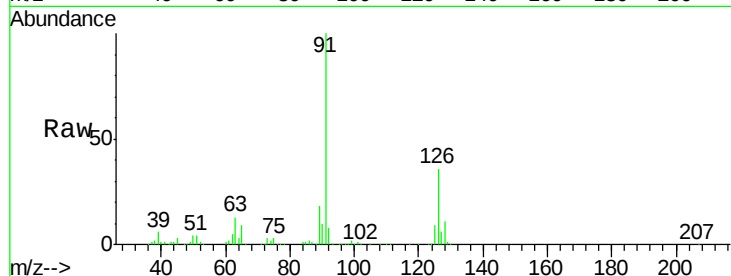
Ion Ratio Lower Upper

91 100

126 36.0 18.1 54.4

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 52.591 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053878.D

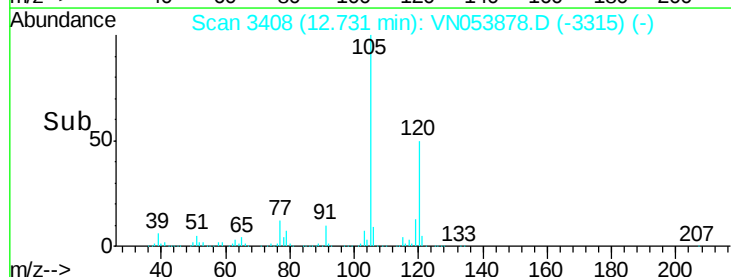
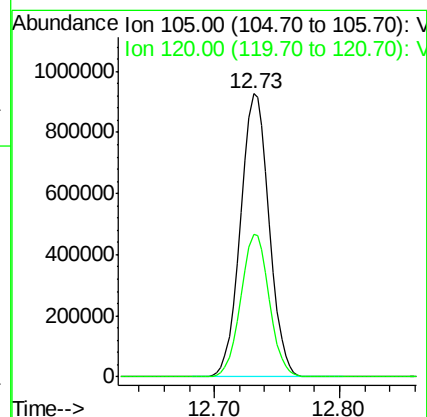
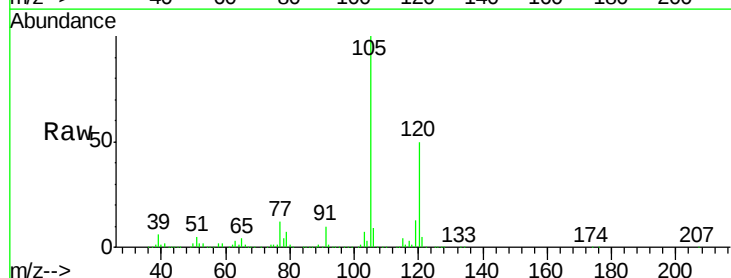
Acq: 21 Feb 2019 8:34

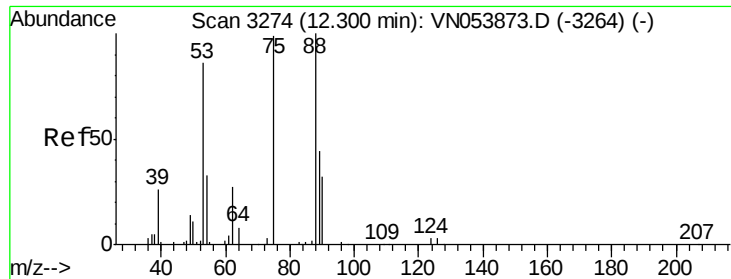
Tgt Ion: 105 Resp: 1466496

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 45.235 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

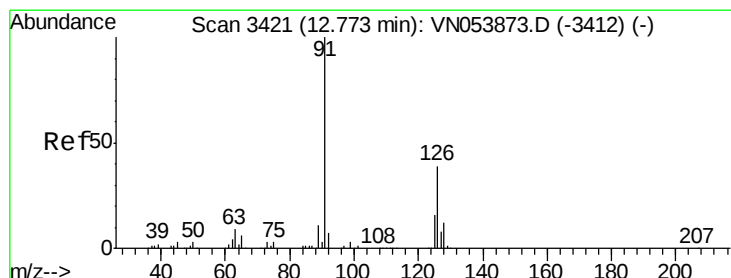
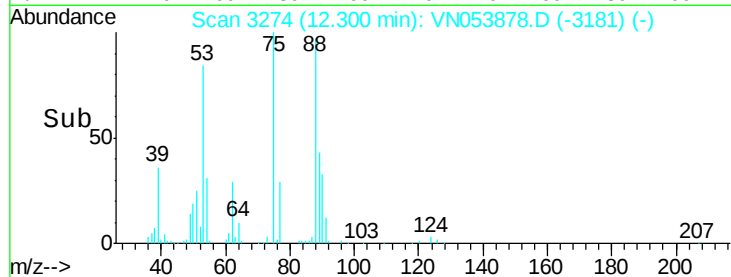
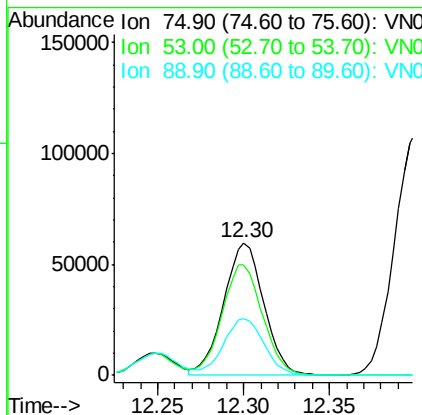
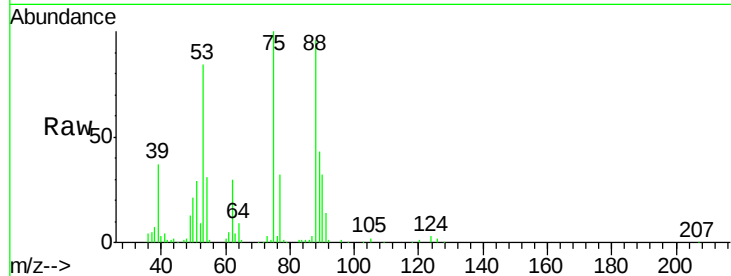
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	95920
Ion Ratio	Lower	Upper	
75	100		
53	85.1	68.6	102.8
89	44.0	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.248 ug/l

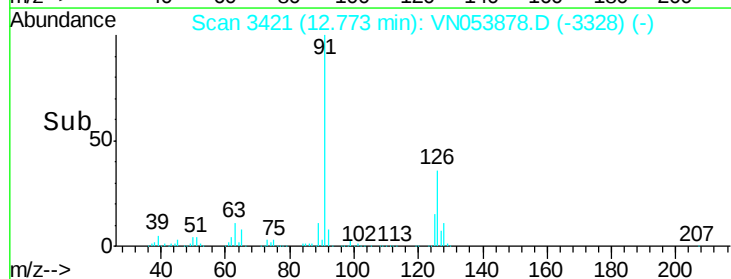
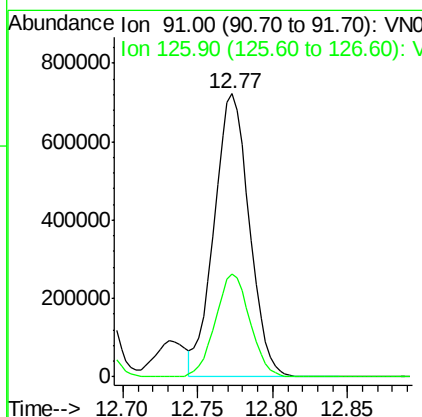
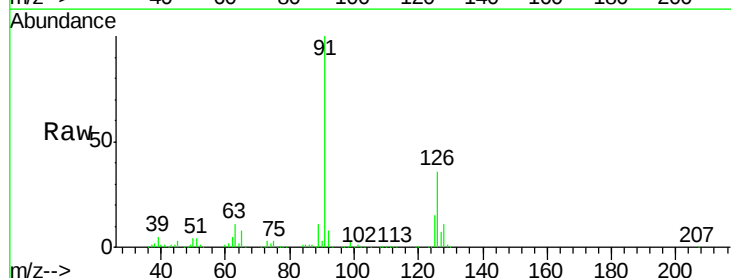
RT: 12.77 min Scan# 3421

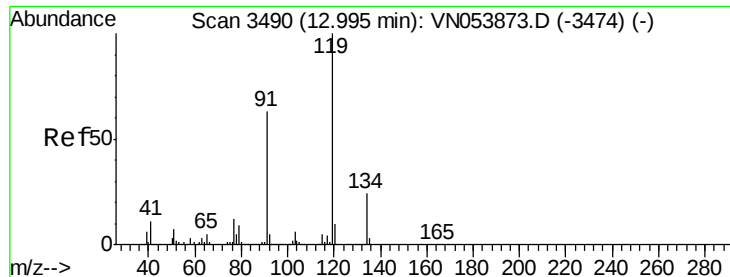
Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Tgt Ion:	91	Resp:	1179020
Ion Ratio	Lower	Upper	
91	100		
126	35.8	18.0	54.0





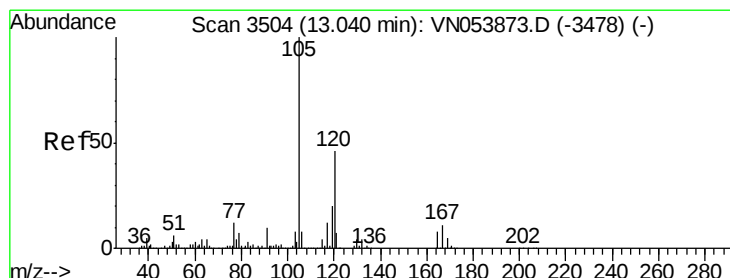
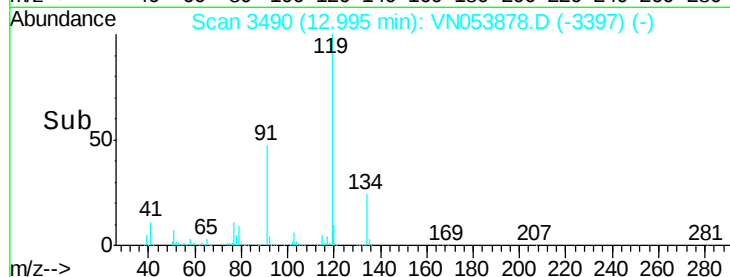
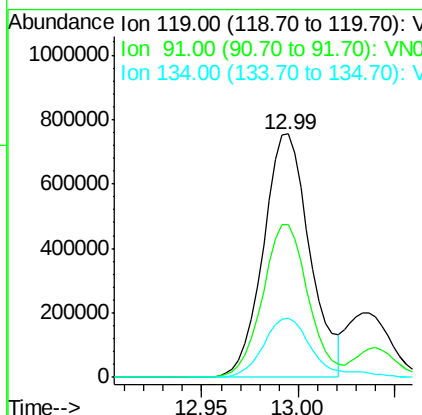
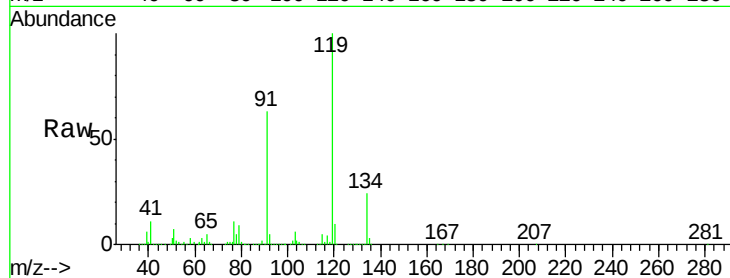
#83
tert-Butylbenzene
Concen: 50.552 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.6	30.6	91.8
134	25.9	13.0	39.0

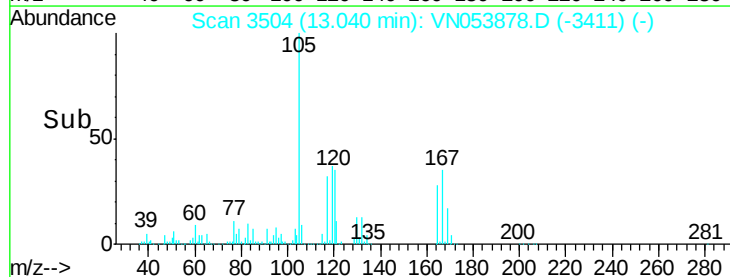
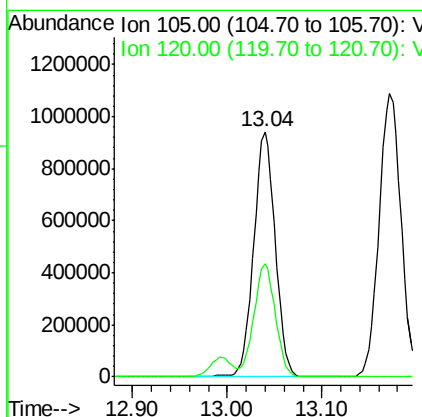
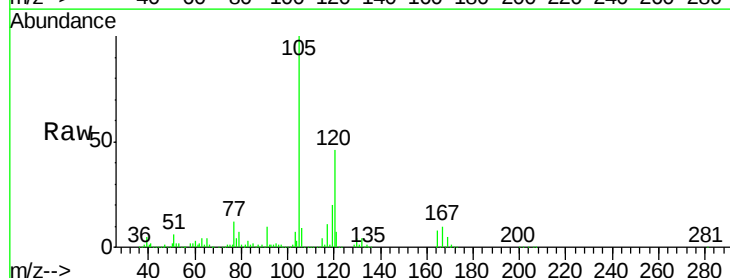
Manual Integrations
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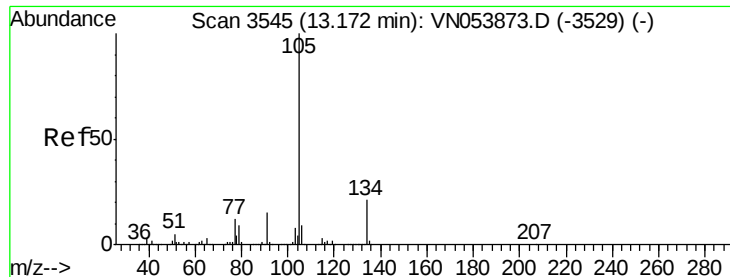
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 53.193 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.2	69.5





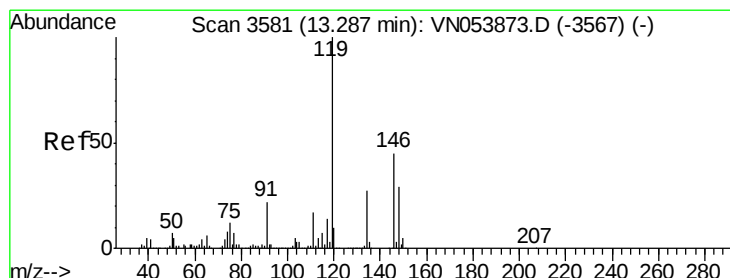
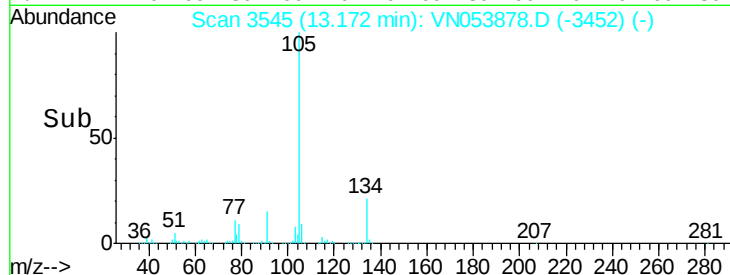
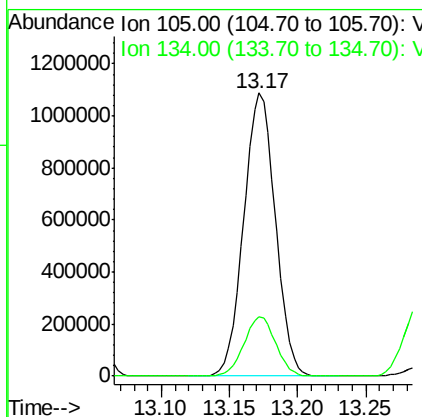
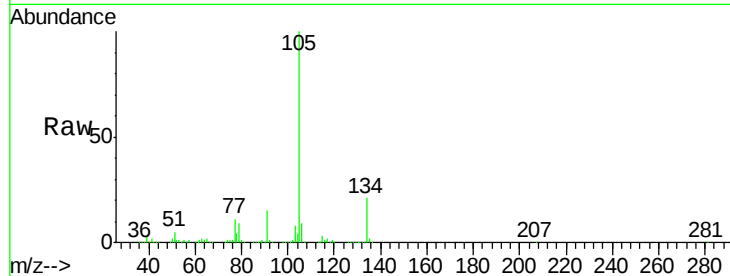
#85
 sec-Butylbenzene
 Concen: 51.772 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1745384
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.1

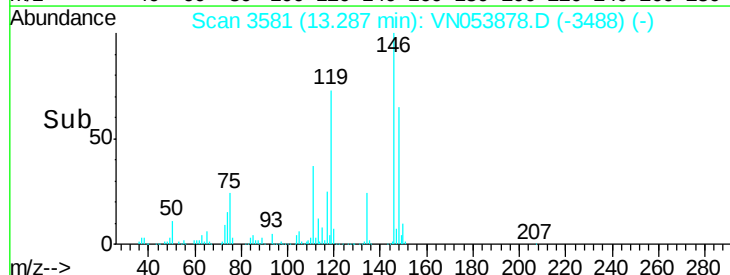
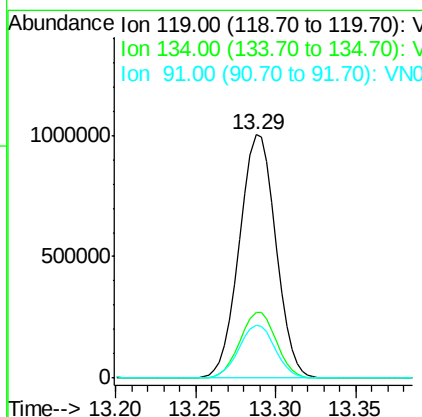
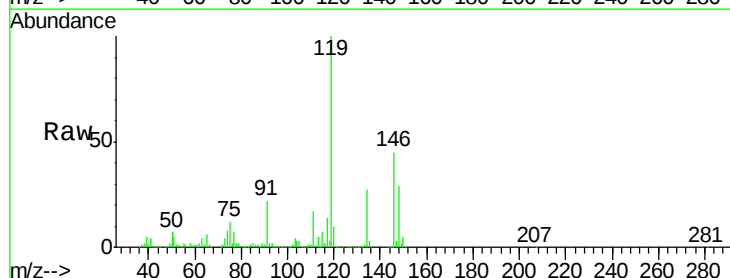
Manual Integrations
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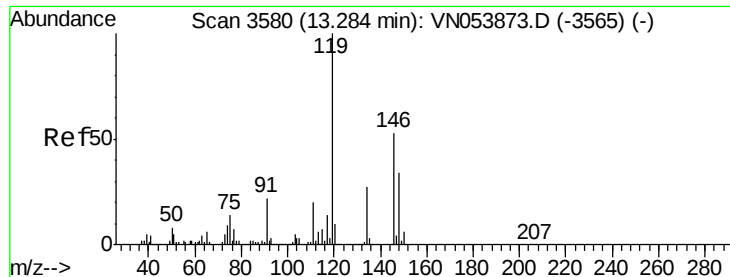
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#86
 p-Isopropyltoluene
 Concen: 53.032 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion:119 Resp: 1551658
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.5 40.4
 91 21.6 10.9 32.6





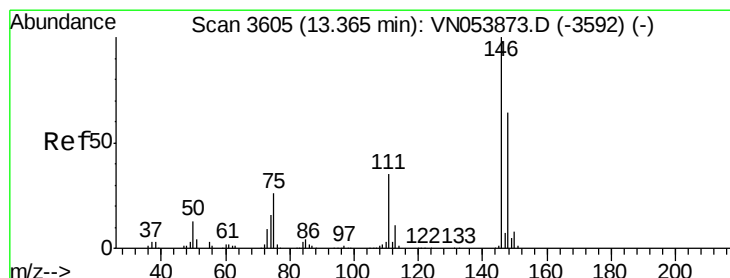
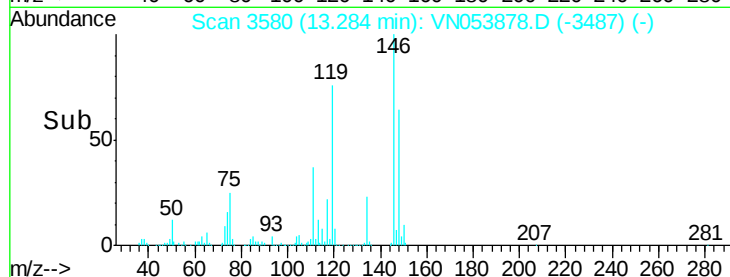
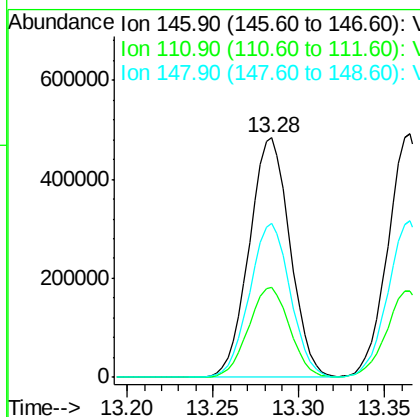
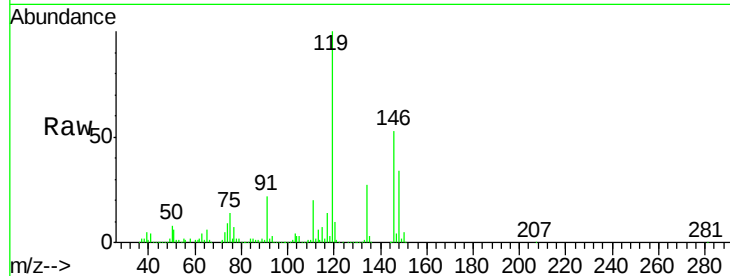
#87
 1,3-Dichlorobenzene
 Concen: 50.736 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.7	56.1
148	64.2	32.0	96.2

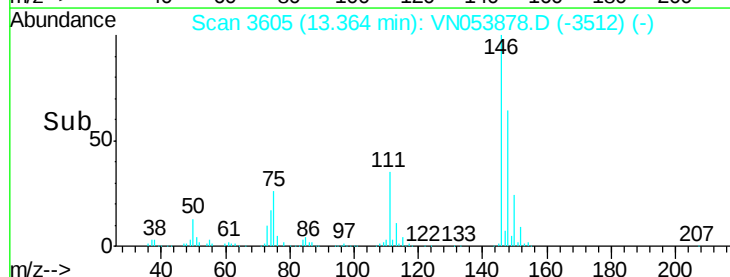
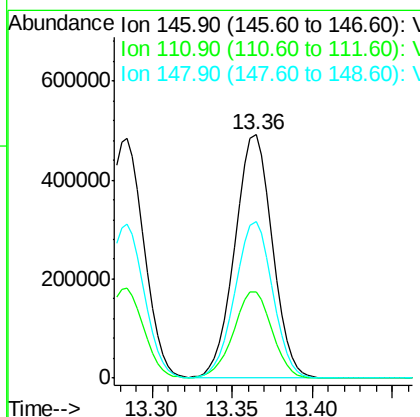
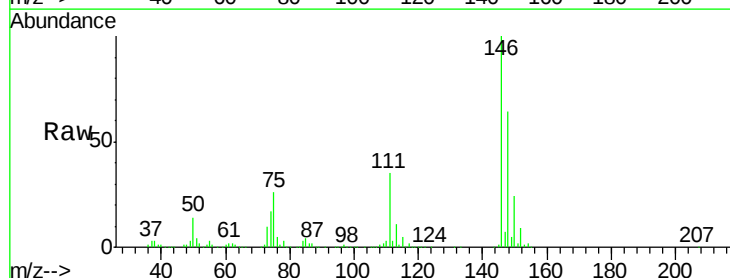
Manual Integrations
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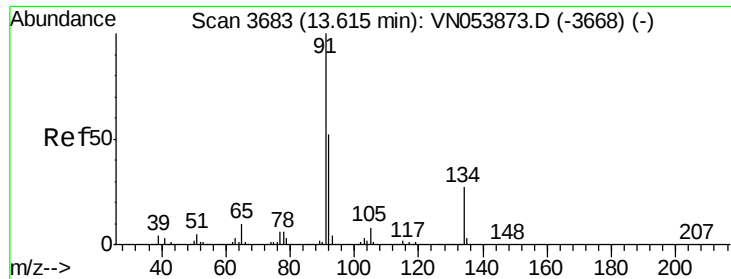
MMDadoda
 2/22/2019 10:30:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.589 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.0	54.0
148	64.7	32.1	96.5





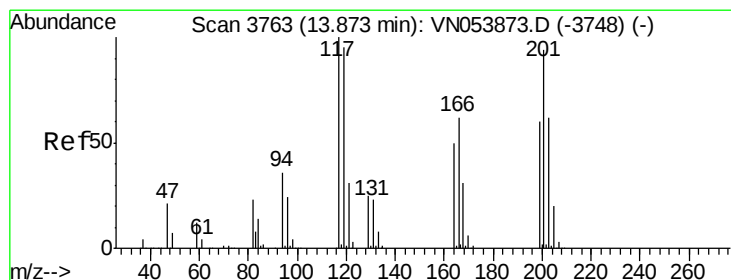
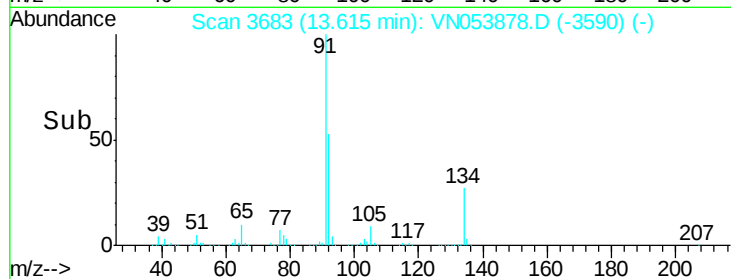
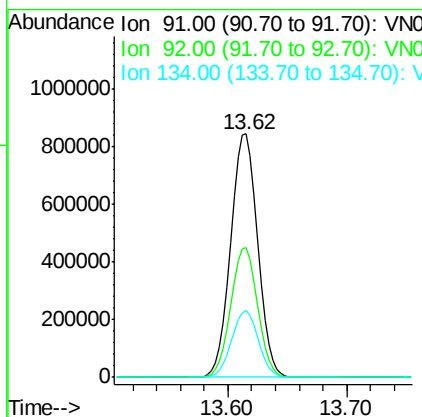
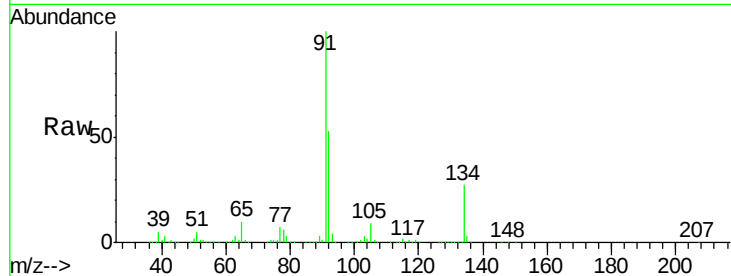
#89
n-Butylbenzene
Concen: 55.083 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1325327
Ion Ratio Lower Upper
91 100
92 52.8 26.1 78.2
134 27.1 13.6 40.8

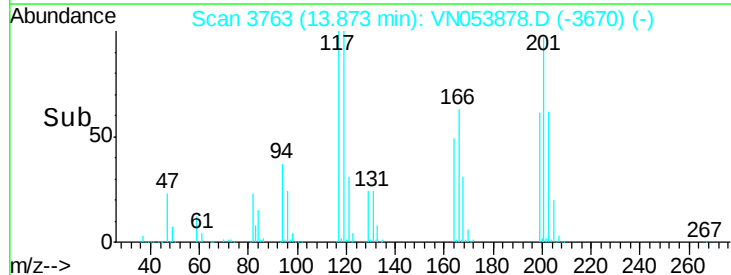
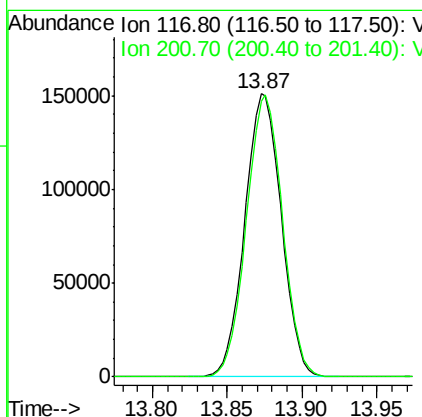
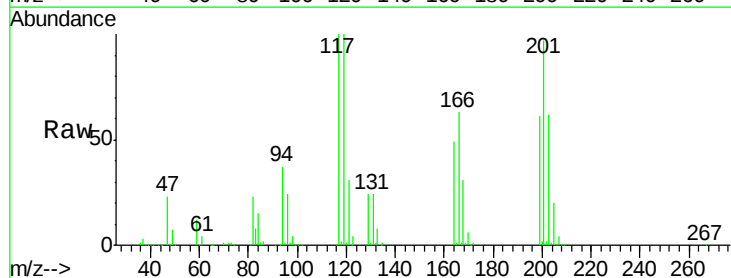
Manual Integrations
APPROVED

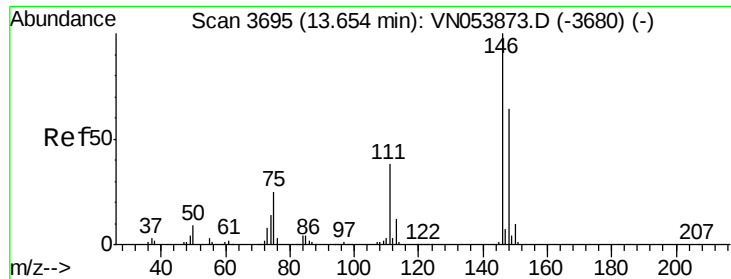
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#90
Hexachloroethane
Concen: 46.013 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion: 117 Resp: 257191
Ion Ratio Lower Upper
117 100
201 98.2 48.0 144.2





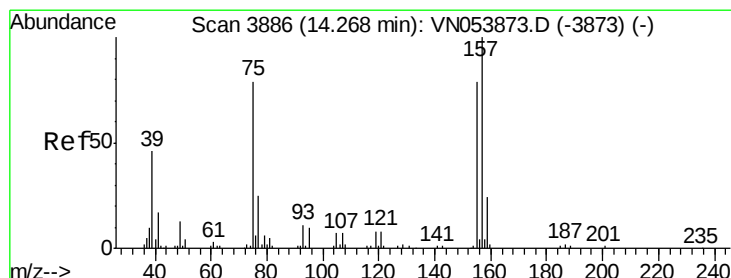
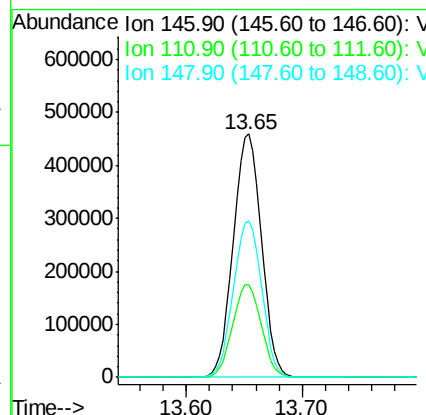
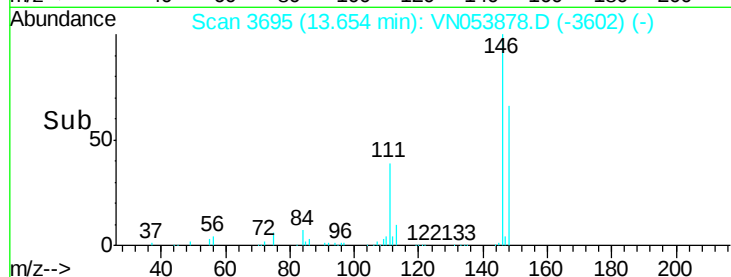
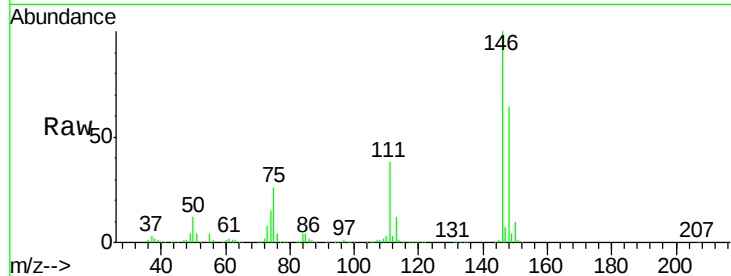
#91
 1,2-Dichlorobenzene
 Concen: 49.851 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.5
148	64.8	32.1	96.5

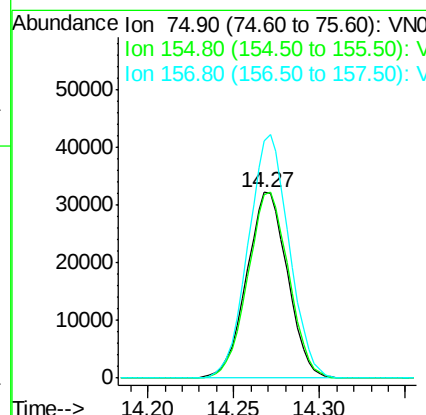
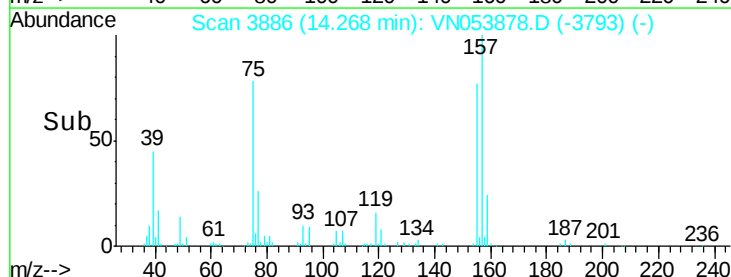
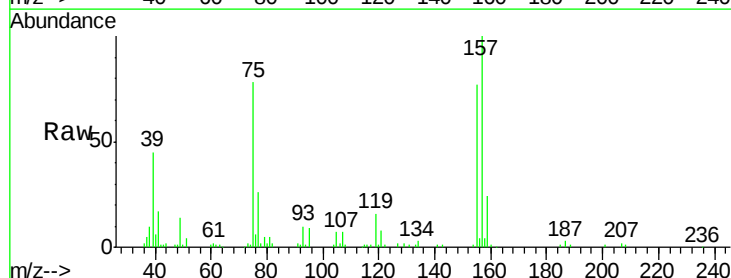
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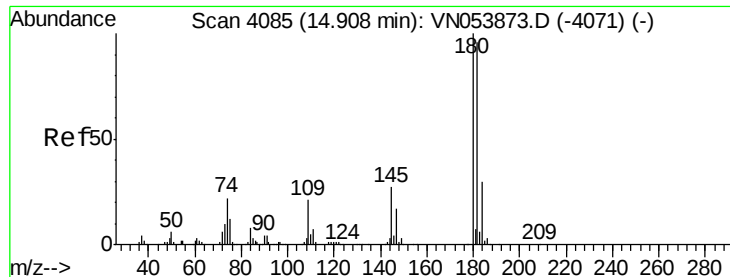
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.025 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.8	49.5	148.5
157	130.7	64.8	194.6





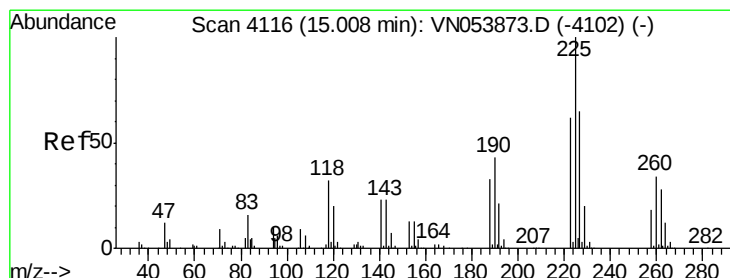
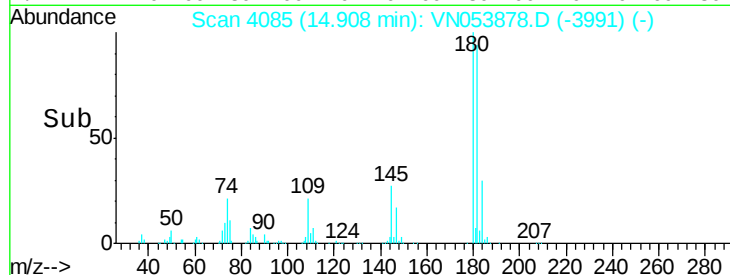
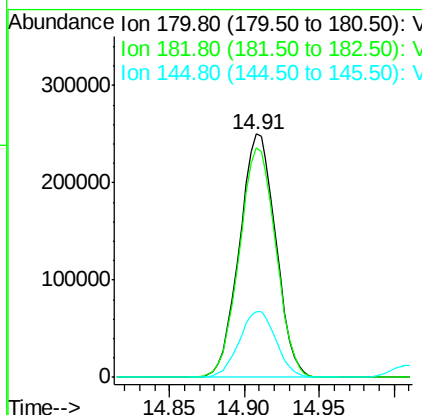
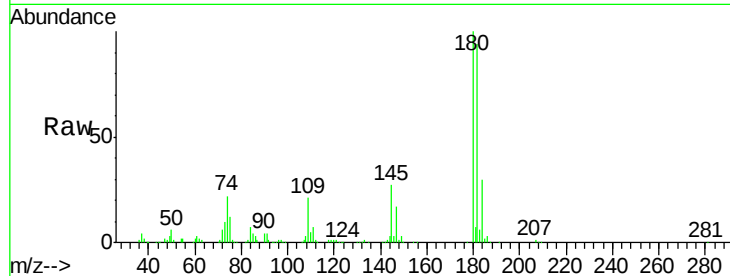
#93
 1,2,4-Trichlorobenzene
 Concen: 45.451 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	422158		
182	95.2	48.6	145.9	
145	27.5	13.8	41.3	

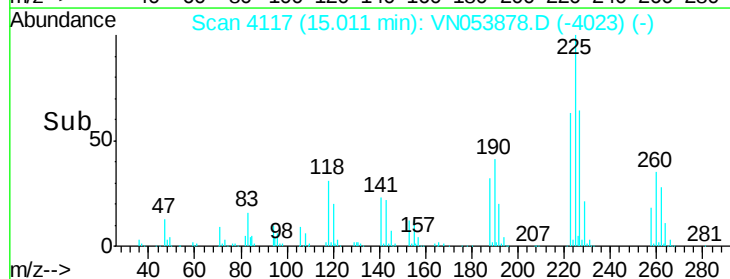
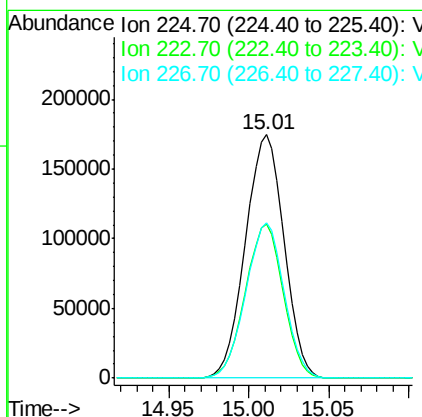
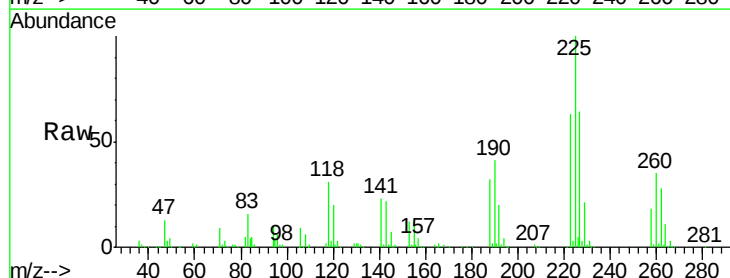
Manual Integrations
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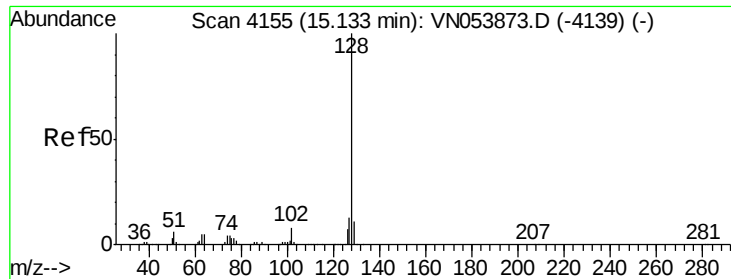
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 2/22/2019 10:30:36 AM



#94
 Hexachlorobutadiene
 Concen: 44.745 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	287892		
223	62.1	30.9	92.5	
227	63.2	32.5	97.4	





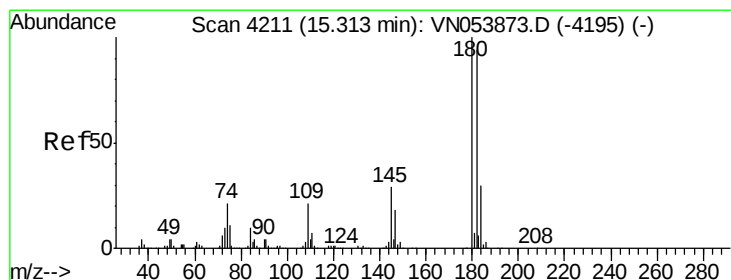
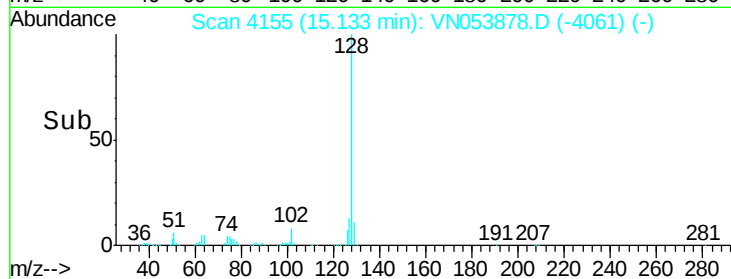
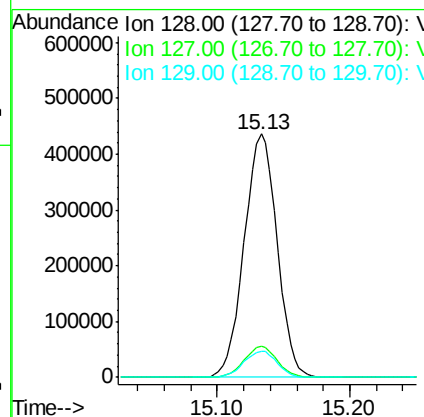
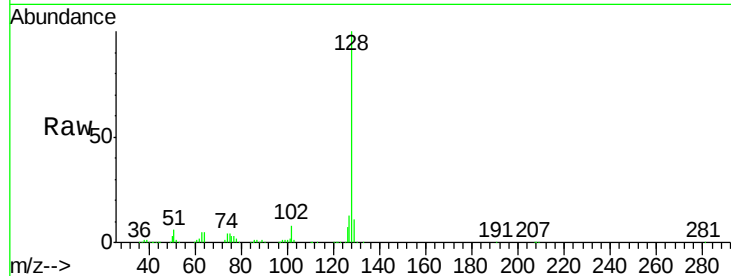
#95
Naphthalene
Concen: 40.683 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 44.996 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.3	141.8
145	28.7	14.4	43.0

