

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022019\
 Data File : VN053873.D
 Acq On : 20 Feb 2019 9:51
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 2/21/2019 10:52:00 AM

Quant Time: Feb 21 03:28:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:05:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	662955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1010000	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	982566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	474585	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	338513	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
35) Dibromofluoromethane	7.59	113	324326	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	10.09	98	1264383	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
62) 4-Bromofluorobenzene	12.40	95	434080	54.92	ug/l	0.00
Spiked Amount			Recovery	=	109.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	288645	50.114	ug/l	100
3) Chloromethane	2.06	50	369747	51.636	ug/l	100
4) Vinyl Chloride	2.19	62	382102	49.710	ug/l	100
5) Bromomethane	2.57	94	269803	47.931	ug/l	100
6) Chloroethane	2.71	64	240722	48.456	ug/l	100
7) Trichlorofluoromethane	3.02	101	522037	47.827	ug/l	100
8) Diethyl Ether	3.41	74	179618	46.812	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	303853	46.191	ug/l	100
10) Methyl Iodide	3.96	142	494785	50.722	ug/l	100
11) Tert butyl alcohol	4.78	59	98007	231.719	ug/l	100
12) 1,1-Dichloroethene	3.74	96	297616	48.375	ug/l	100
13) Acrolein	3.61	56	109658	362.738	ug/l	100
14) Allyl chloride	4.33	41	465569	50.002	ug/l	100
15) Acrylonitrile	4.99	53	544570	255.579	ug/l	100
16) Acetone	3.81	43	438431	235.293	ug/l	100
17) Carbon Disulfide	4.06	76	925559	48.573	ug/l	100
18) Methyl Acetate	4.32	43	201666	47.325	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	804746	51.556	ug/l	100
20) Methylene Chloride	4.55	84	334931	48.012	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	321562	49.801	ug/l	100
22) Diisopropyl ether	5.95	45	907090	52.261	ug/l	100
23) Vinyl Acetate	5.90	43	3291373	267.213	ug/l	100
24) 1,1-Dichloroethane	5.85	63	579496	49.312	ug/l	100
25) 2-Butanone	6.83	43	604270	251.316	ug/l	100
26) 2,2-Dichloropropane	6.82	77	443588	49.744	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	364639	50.410	ug/l	100
28) Bromochloromethane	7.19	49	259764	50.648	ug/l	100
29) Tetrahydrofuran	7.21	42	396498	254.984	ug/l	100
30) Chloroform	7.37	83	577184	48.881	ug/l	100
31) Cyclohexane	7.65	56	536915	43.807	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	496115	49.106	ug/l	100
36) 1,1-Dichloropropene	7.79	75	443457	47.901	ug/l	100
37) Ethyl Acetate	6.93	43	265986	52.060	ug/l	100
38) Carbon Tetrachloride	7.78	117	448030	45.278	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	548435	51.411	ug/l	100
40) Benzene	8.04	78	1370255	50.066	ug/l	100
41) Methacrylonitrile	7.19	41	162427m	49.798	ug/l	
42) 1,2-Dichloroethane	8.12	62	394698	48.375	ug/l	100
43) Isopropyl Acetate	8.16	43	453458	45.920	ug/l	100
44) Trichloroethene	8.83	130	385135	50.269	ug/l	100
45) 1,2-Dichloropropane	9.12	63	349841	50.068	ug/l	100
46) Dibromomethane	9.21	93	211804	50.343	ug/l	100
47) Bromodichloromethane	9.40	83	450296	50.735	ug/l	100
48) Methyl methacrylate	9.20	41	218224	48.062	ug/l	92
49) 1,4-Dioxane	9.20	88	64114	1023.882	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1284455	279.809	ug/l	100
52) Toluene	10.16	92	866955	53.454	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	463829	53.818	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	568342	55.949	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	311489	52.537	ug/l	100
56) Ethyl methacrylate	10.43	69	374518	56.108	ug/l	100
57) 1,3-Dichloropropane	10.71	76	556317	55.727	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	809970	276.979	ug/l	100
59) 2-Hexanone	10.75	43	879793	283.975	ug/l	100
60) Dibromochloromethane	10.90	129	380795	55.024	ug/l	100
61) 1,2-Dibromoethane	11.00	107	320474	54.407	ug/l	100
64) Tetrachloroethene	10.63	164	418372	47.617	ug/l	100
65) Chlorobenzene	11.43	112	990741	48.173	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	369478	49.231	ug/l	100
67) Ethyl Benzene	11.51	91	1658478	49.828	ug/l	100
68) m/p-Xylenes	11.62	106	1312332	101.829	ug/l	100
69) o-Xylene	11.95	106	626712	50.512	ug/l	100
70) Styrene	11.96	104	1025475	52.670	ug/l	100
71) Bromoform	12.13	173	265066	49.768	ug/l	100
73) Isopropylbenzene	12.25	105	1644685	49.193	ug/l	100
74) N-amyl acetate	12.07	43	391459	50.986	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	381528	48.267	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	335192m	54.066	ug/l	
77) Bromobenzene	12.53	156	442036	49.286	ug/l	100
78) n-propylbenzene	12.59	91	1905453	50.965	ug/l	100
79) 2-Chlorotoluene	12.67	91	1116002	49.505	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1410840	50.837	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	106688	50.554	ug/l	100
82) 4-Chlorotoluene	12.77	91	1136716	50.614	ug/l	100
83) tert-Butylbenzene	12.99	119	1243001	49.881	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1435564	51.576	ug/l	100
85) sec-Butylbenzene	13.17	105	1679234	50.048	ug/l	100
86) p-Isopropyltoluene	13.29	119	1489004	51.134	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	775678	49.562	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	763433	48.480	ug/l	100
89) n-Butylbenzene	13.62	91	1256693	52.481	ug/l	100
90) Hexachloroethane	13.87	117	256132	46.042	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	755446	49.199	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	55250	47.900	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	398694	50.600	ug/l	100
94) Hexachlorobutadiene	15.01	225	267702	41.806	ug/l	100
95) Naphthalene	15.13	128	775849	52.723	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	384083	50.235	ug/l	100

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

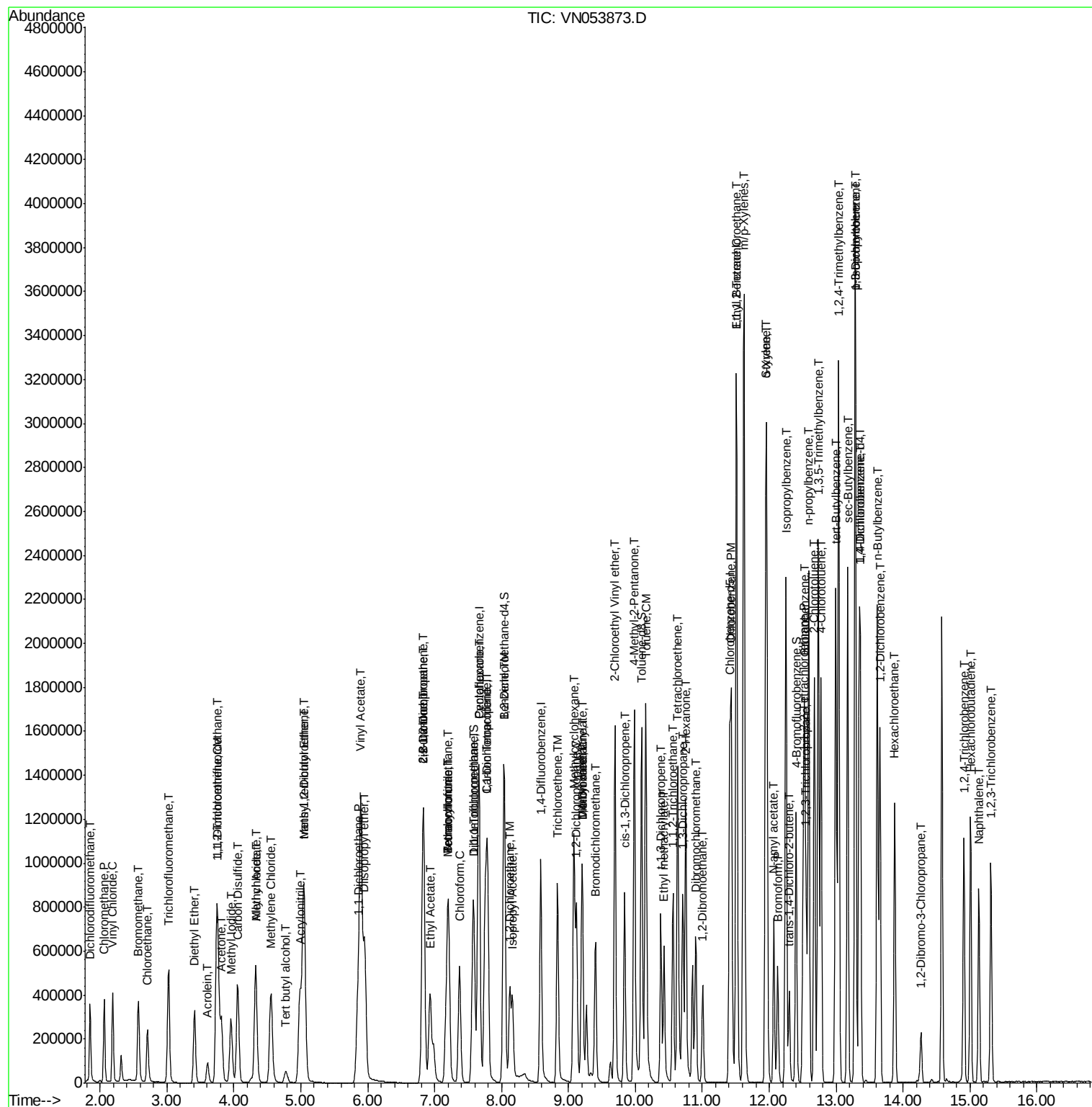
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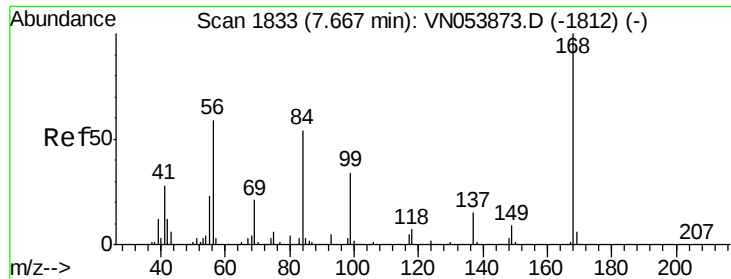
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 662955

Ion Ratio Lower Upper

168 100

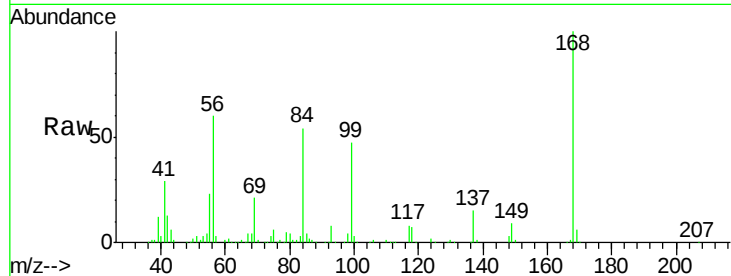
99 46.1 36.9 55.3

Manual Integrations

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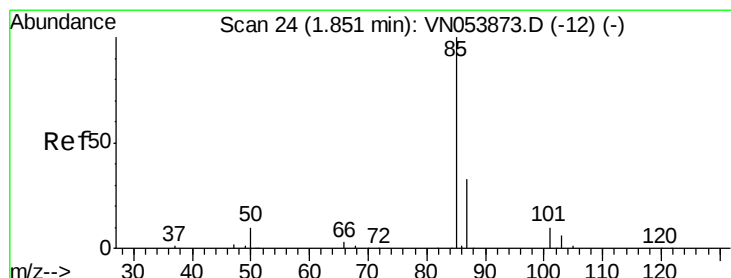
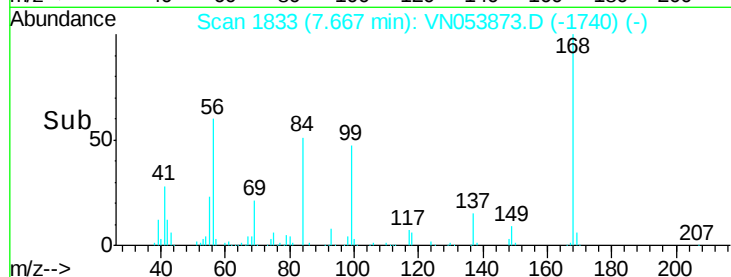
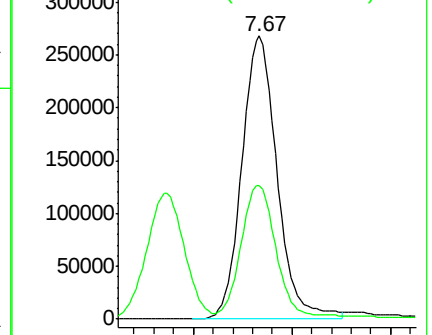
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2/21/2019 10:52:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.114 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053873.D

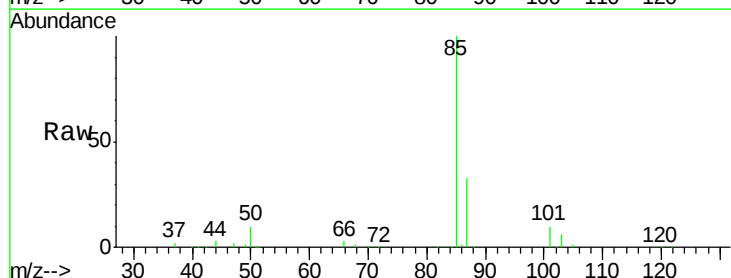
Acq: 20 Feb 2019 9:51

Tgt Ion: 85 Resp: 288645

Ion Ratio Lower Upper

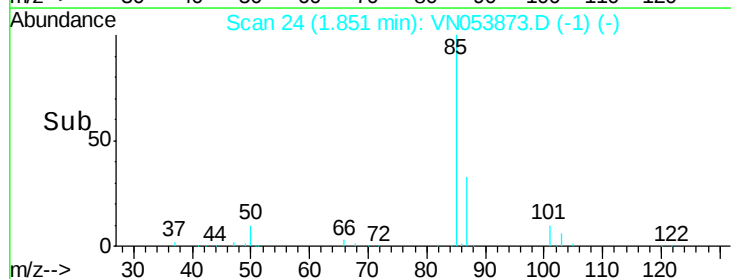
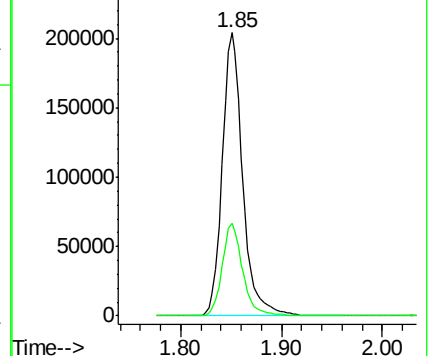
85 100

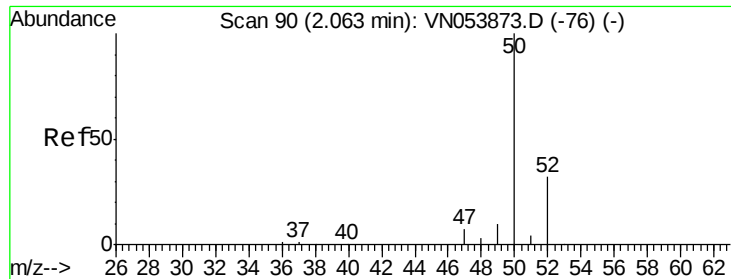
87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 51.636 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 369747

Ion Ratio Lower Upper

50 100

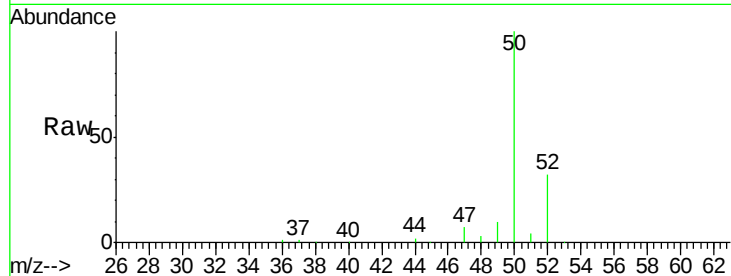
52 32.5 26.0 39.0

Manual Integrations

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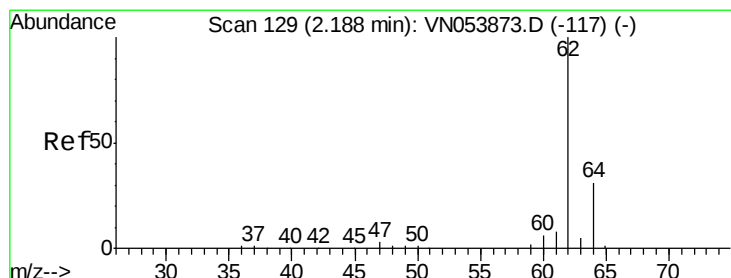
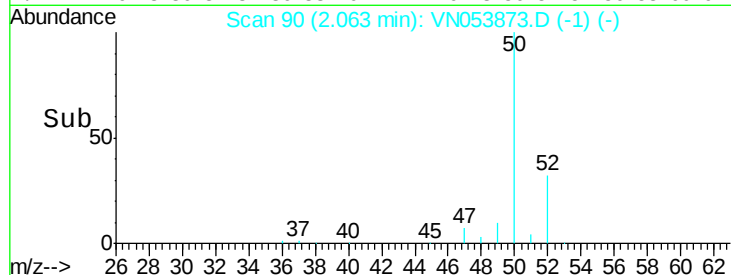
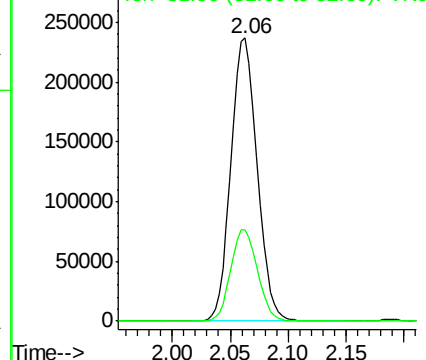
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2/21/2019 10:52:00 AM



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 49.710 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053873.D

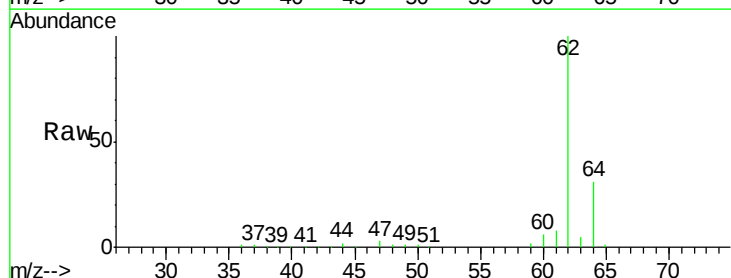
Acq: 20 Feb 2019 9:51

Tgt Ion: 62 Resp: 382102

Ion Ratio Lower Upper

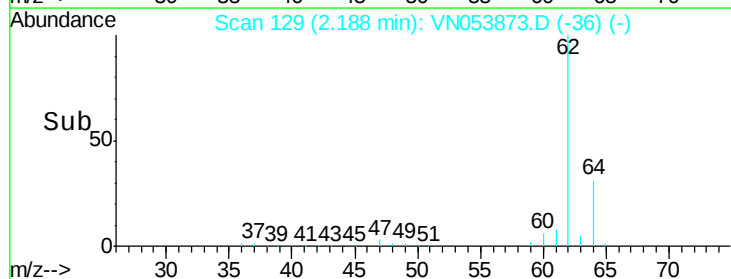
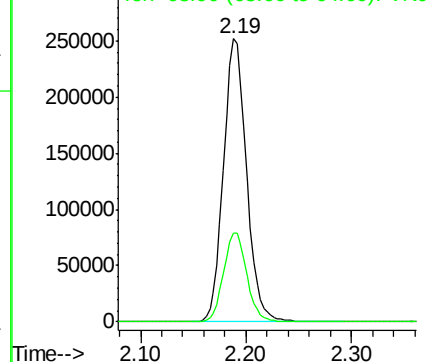
62 100

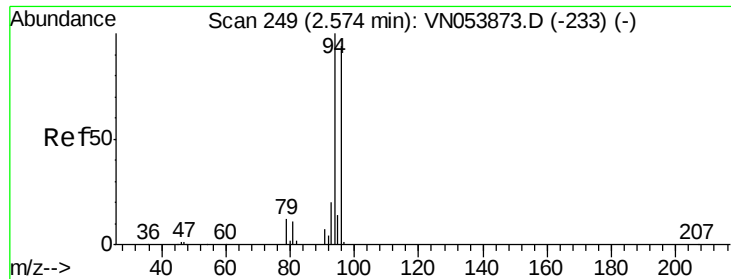
64 31.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 47.931 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 94 Resp: 269803

Ion Ratio Lower Upper

94 100

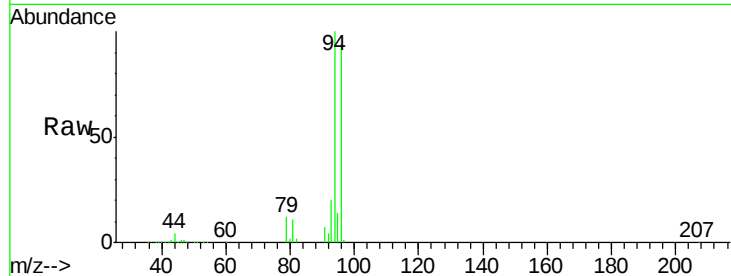
96 93.6 74.9 112.3

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

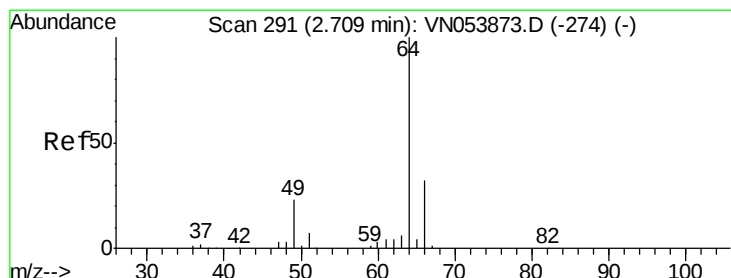
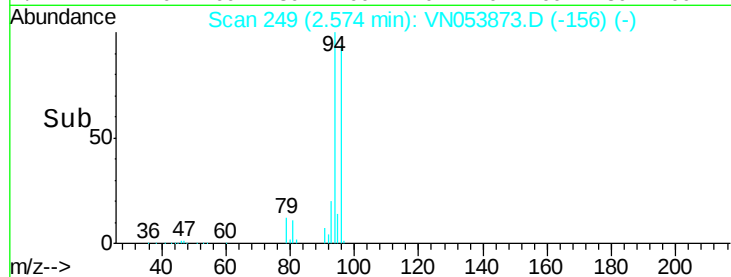
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50000

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Time-->



#6

Chloroethane

Concen: 48.456 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053873.D

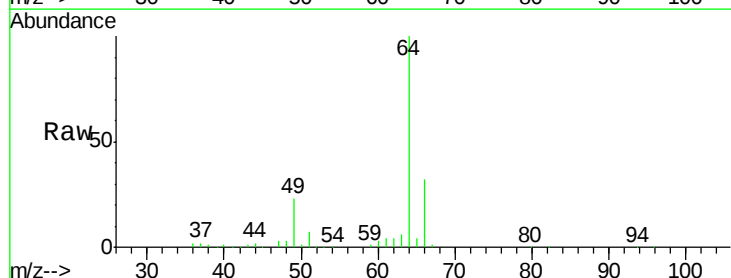
Acq: 20 Feb 2019 9:51

Tgt Ion: 64 Resp: 240722

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

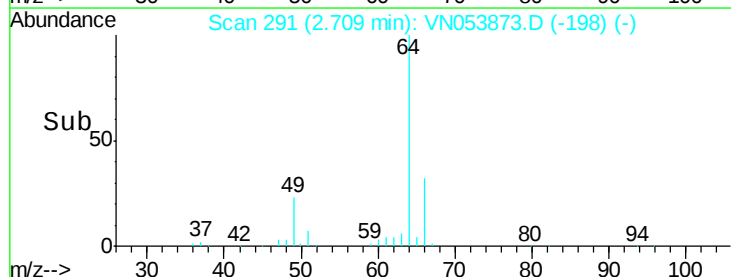
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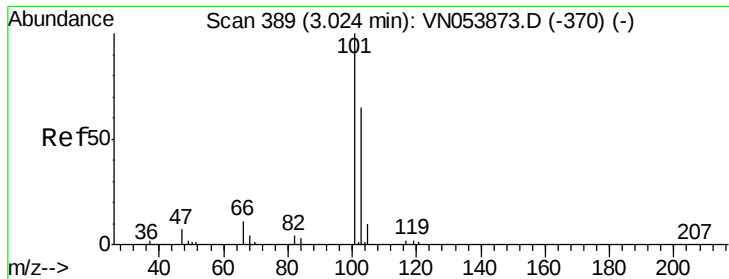
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50000

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Time-->





#7

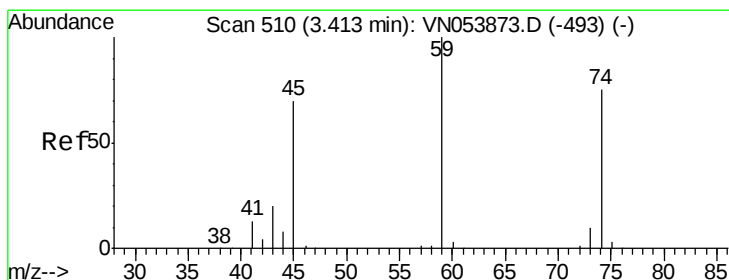
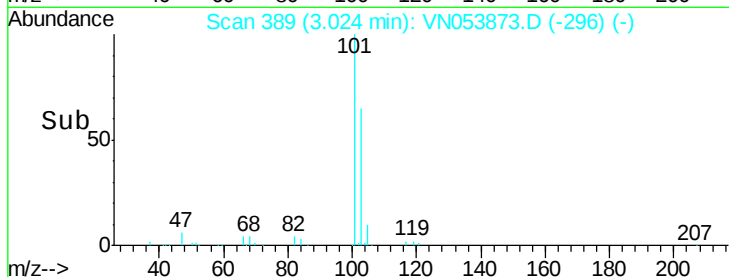
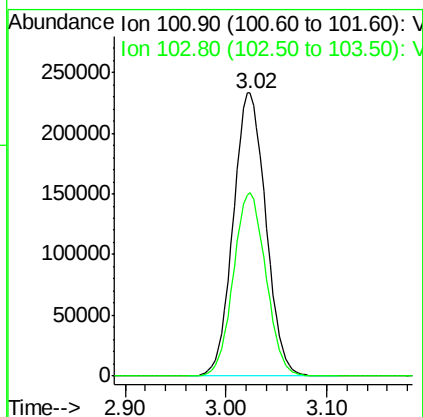
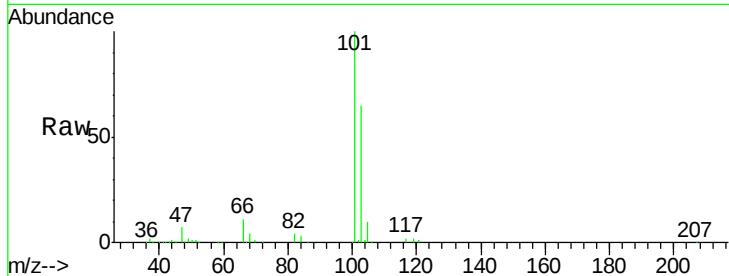
Trichlorofluoromethane
Concen: 47.827 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.9	77.9

Manual Integrations
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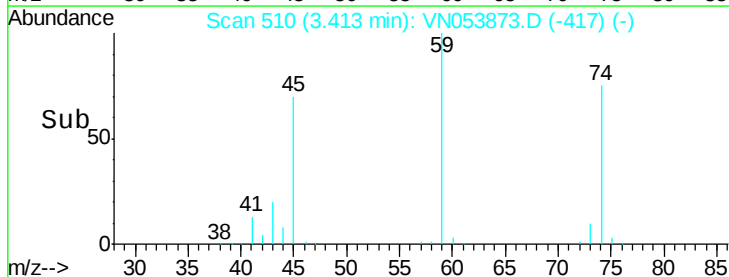
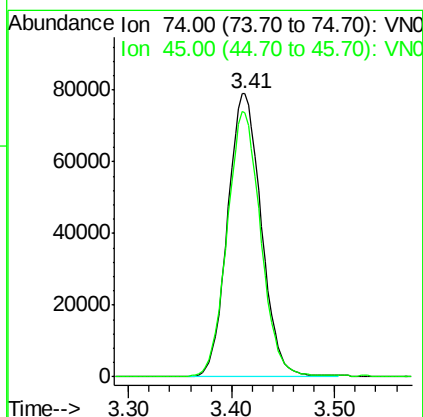
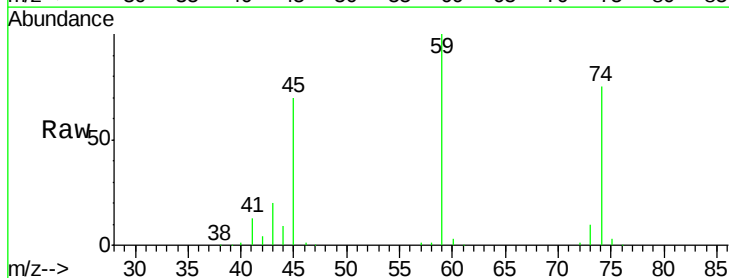
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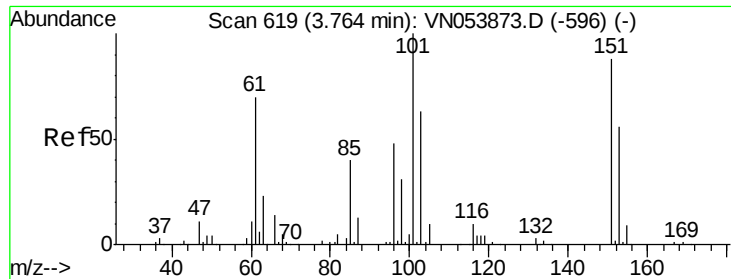


#8

Diethyl Ether
Concen: 46.812 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.7	46.9	140.6





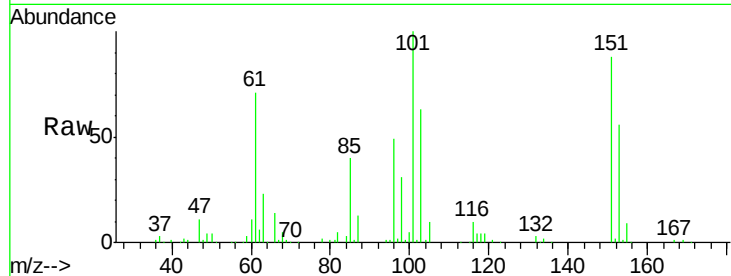
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.191 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

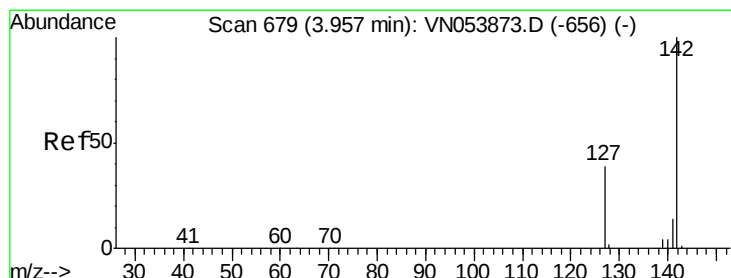
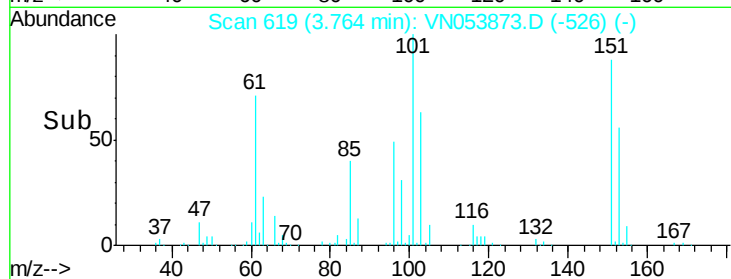
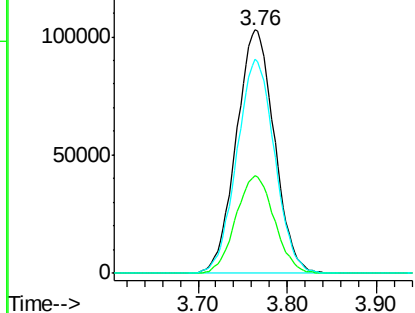
Tot Ion	Ratio	Resp	Lower	Upper
101	100	303853		
85	40.6	32.5	48.7	
151	87.7	70.2	105.2	

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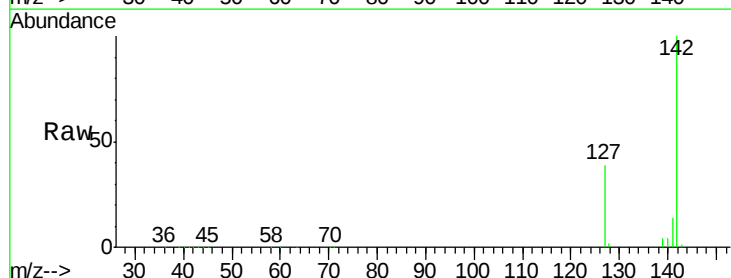


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

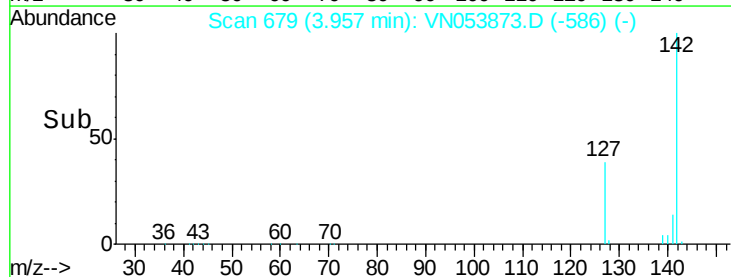
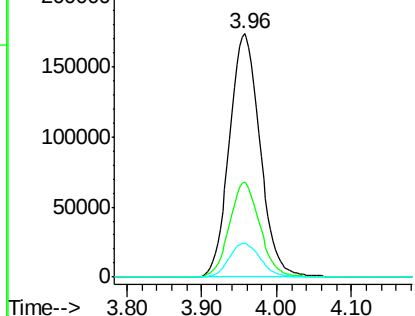


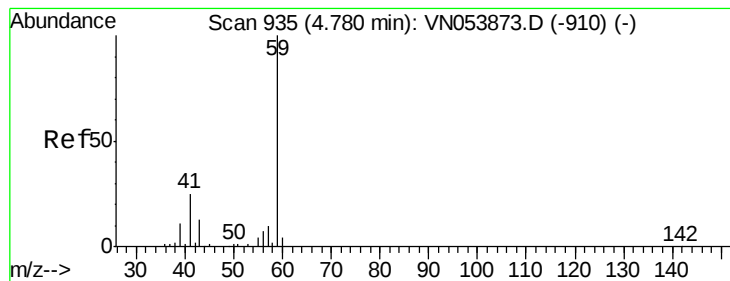
#10
 Methyl Iodide
 Concen: 50.722 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	494785		
127	38.7	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

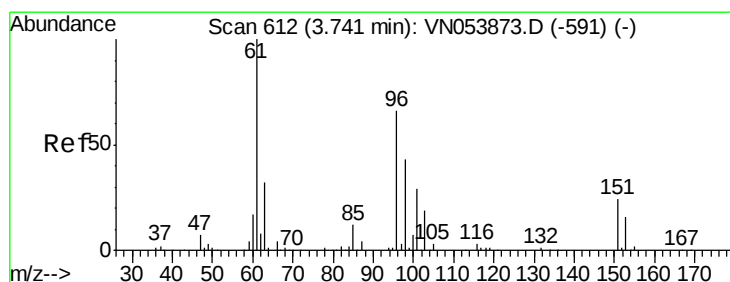
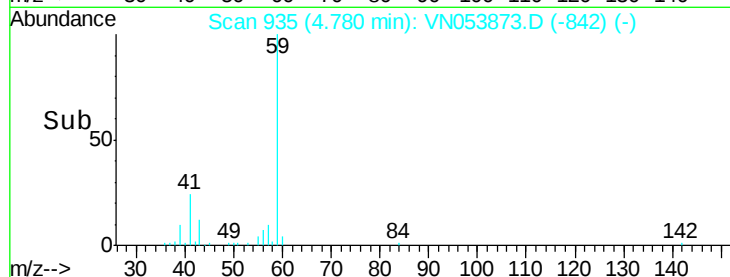
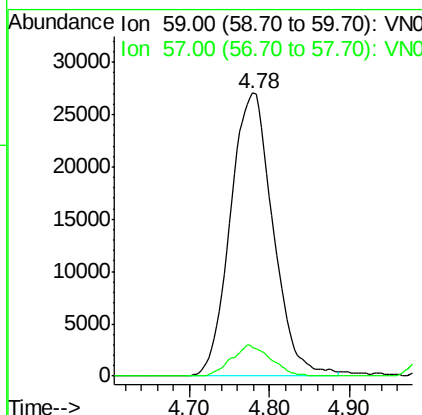
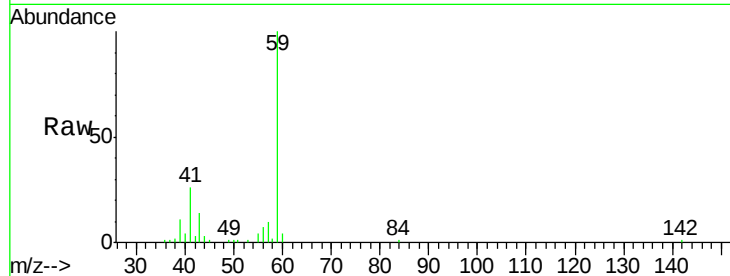
Tert butyl alcohol
 Concen: 231.719 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

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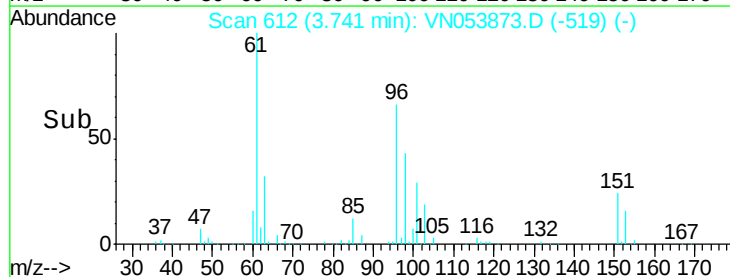
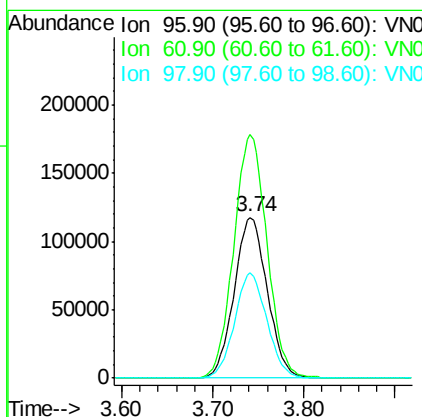
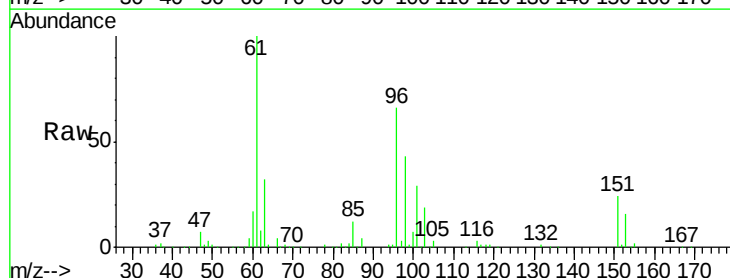
MMDadoda
 2/21/2019 10:52:00 AM

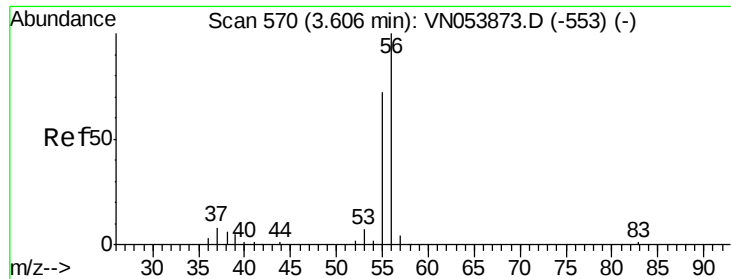


#12

1,1-Dichloroethene
 Concen: 48.375 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.2	121.0	181.4
98	65.2	52.2	78.2





#13

Acrolein

Concen: 362.738 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 109658

Ion Ratio Lower Upper

56 100

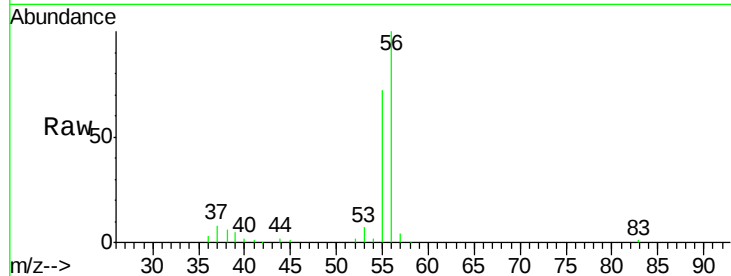
55 70.4 56.3 84.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.61

40000

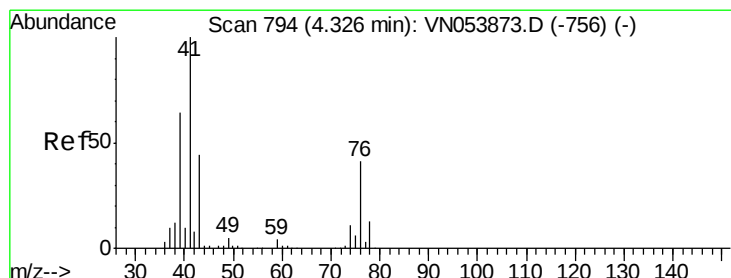
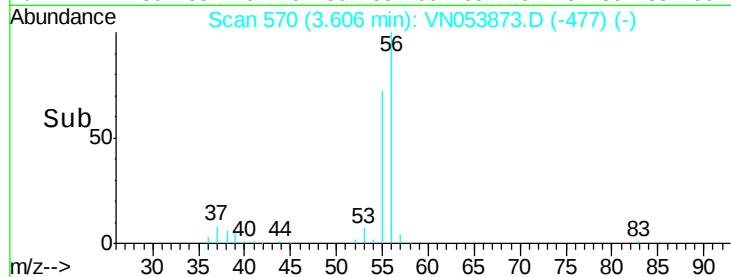
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 50.002 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

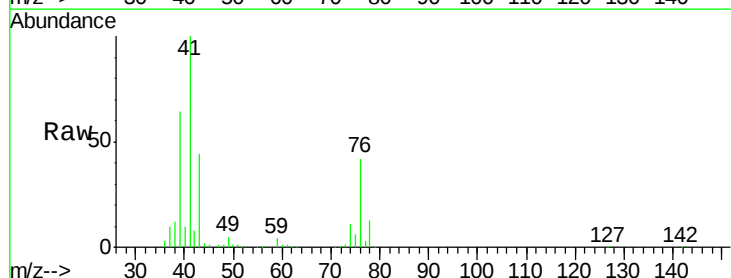
Tgt Ion: 41 Resp: 465569

Ion Ratio Lower Upper

41 100

39 61.0 48.8 73.2

76 38.6 30.9 46.3



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.33

200000

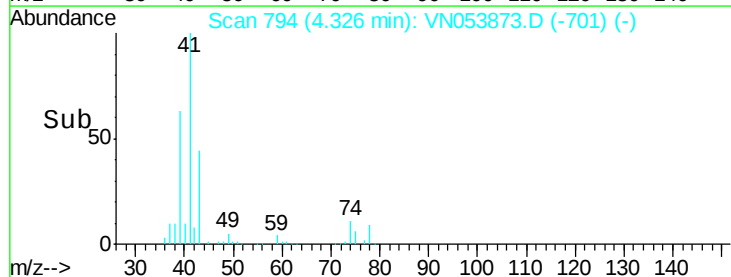
150000

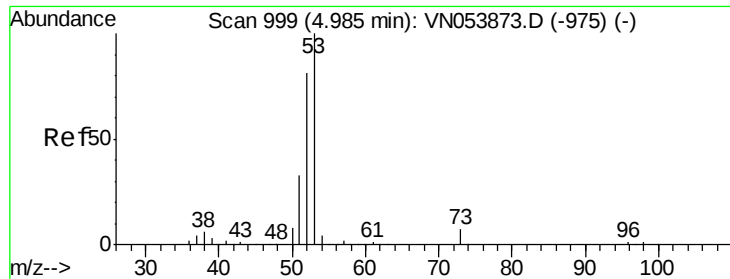
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 255.579 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Instrument :

MSVOA_N

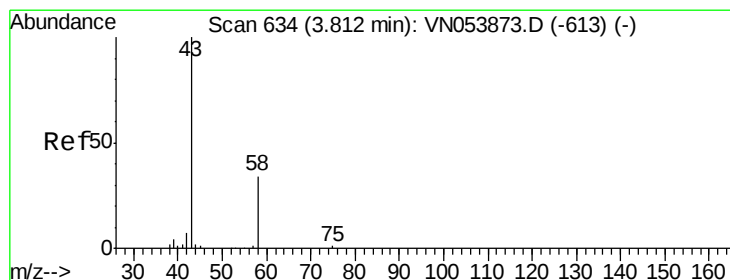
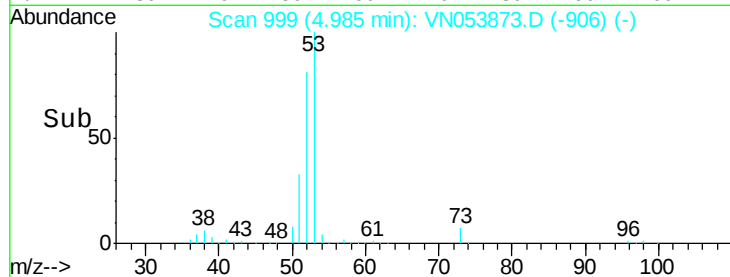
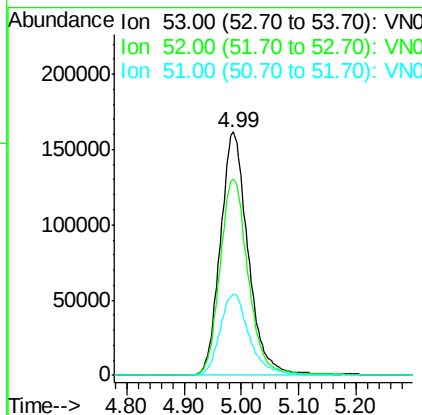
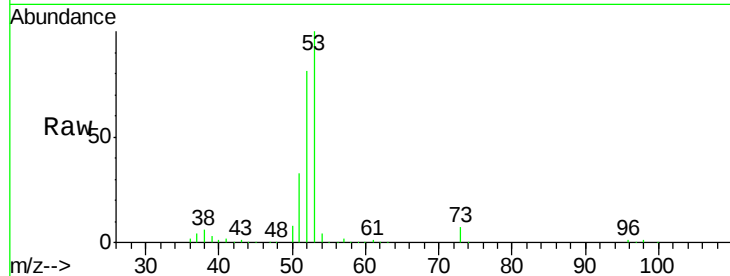
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	544570
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.1	97.7
51	35.3	28.2	42.4

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#16

Acetone

Concen: 235.293 ug/l

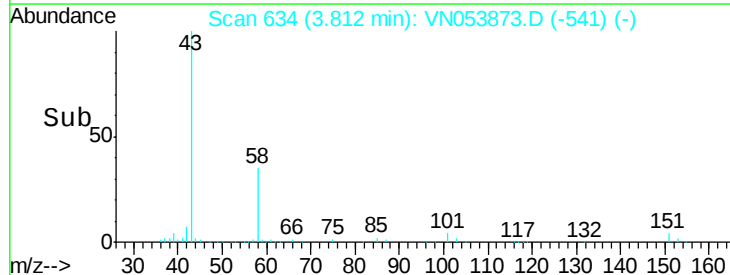
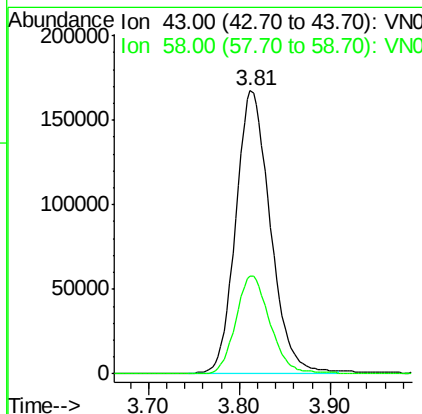
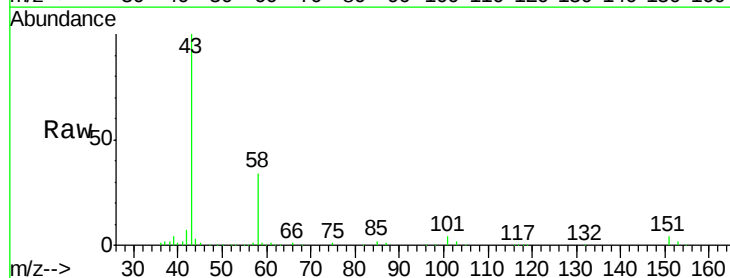
RT: 3.81 min Scan# 634

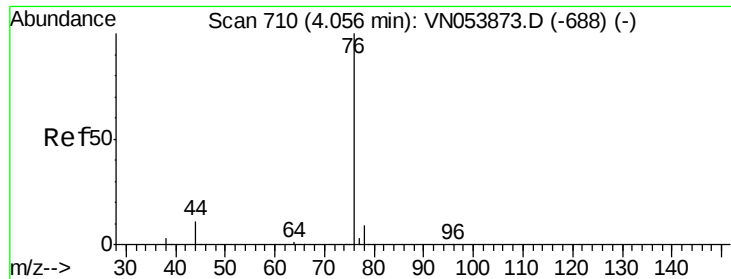
Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Tgt Ion:	43	Resp:	438431
Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.6	41.4





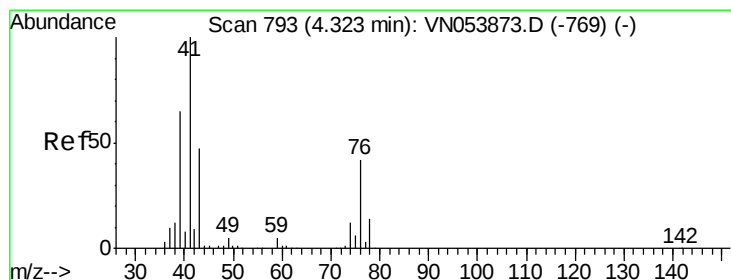
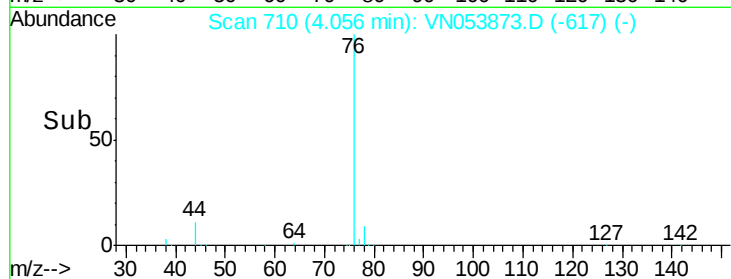
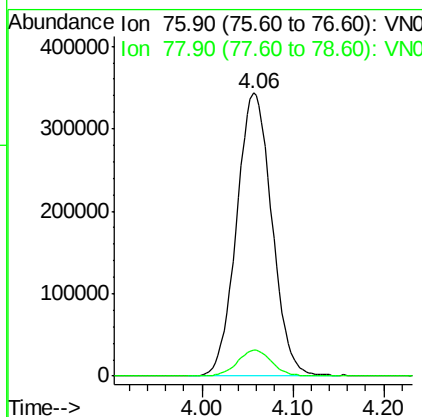
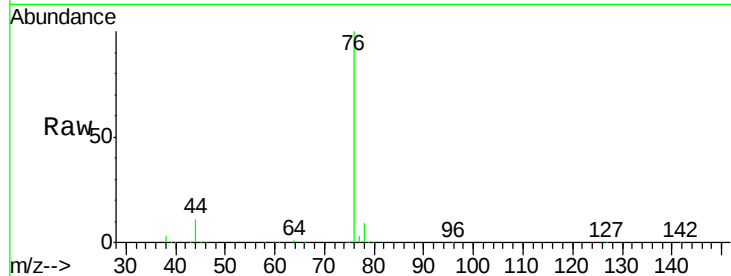
#17
Carbon Disulfide
Concen: 48.573 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

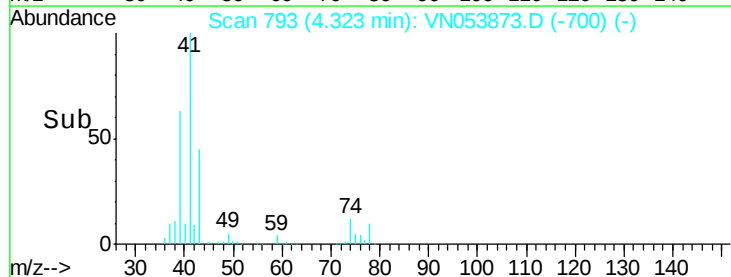
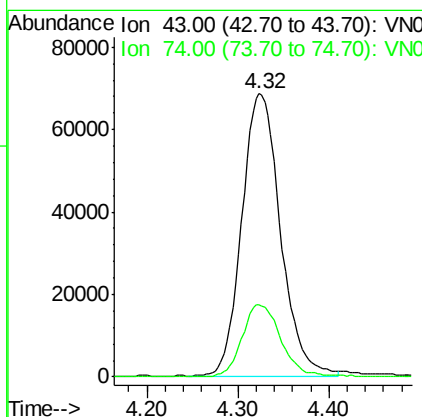
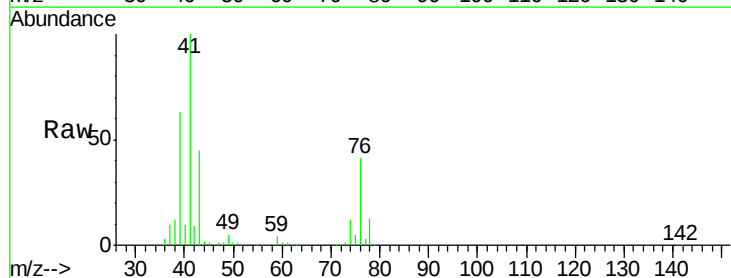
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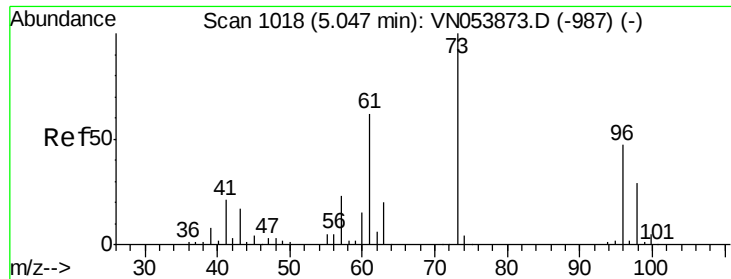
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#18
Methyl Acetate
Concen: 47.325 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	20.5	30.7





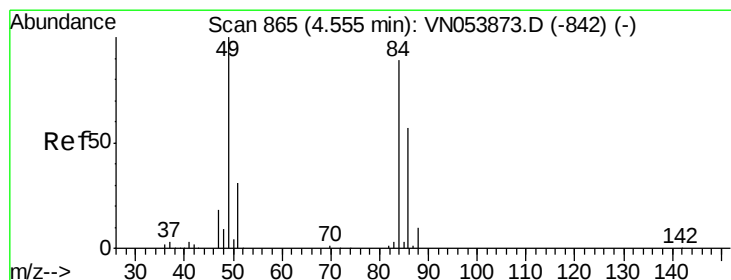
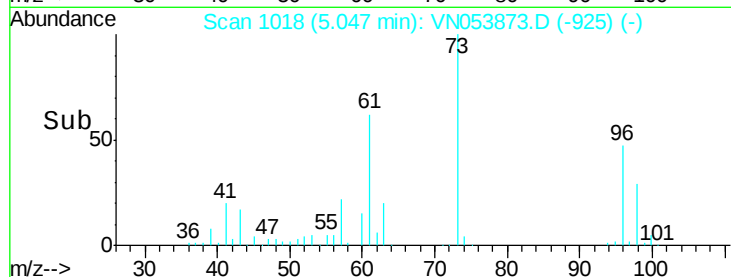
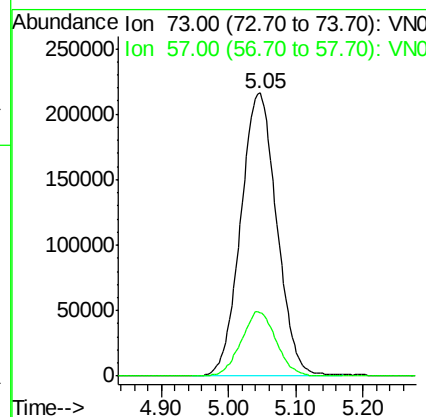
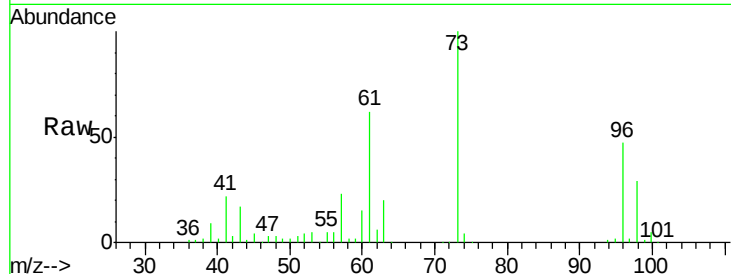
#19
Methvl tert-butvl Ether
Concen: 51.556 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 804746
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0

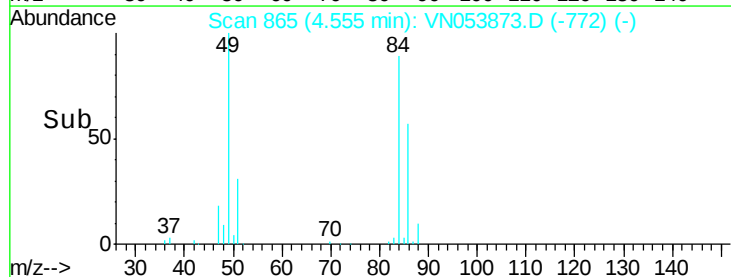
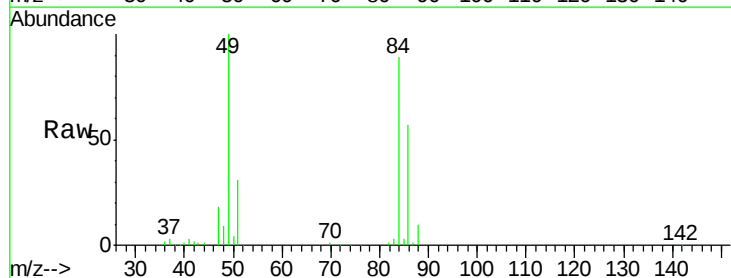
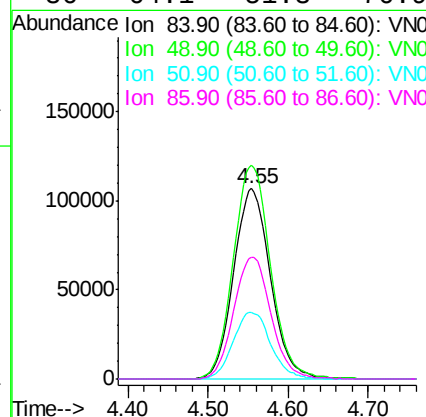
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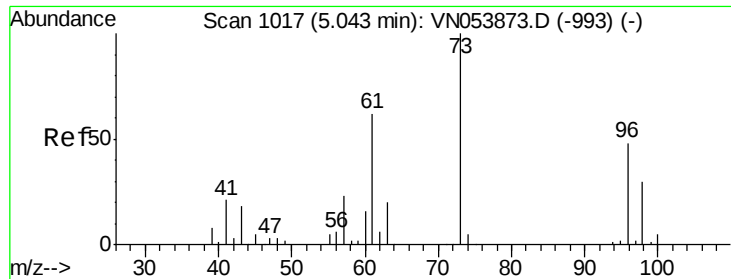
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#20
Methylene Chloride
Concen: 48.012 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion: 84 Resp: 334931
Ion Ratio Lower Upper
84 100
49 112.1 89.7 134.5
51 34.8 27.8 41.8
86 64.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 49.801 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 321562

Ion Ratio Lower Upper

96 100

61 130.6 104.5 156.7

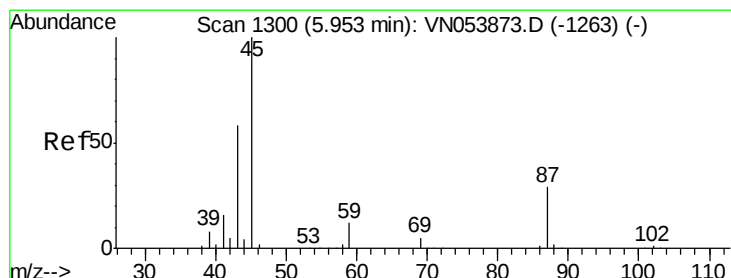
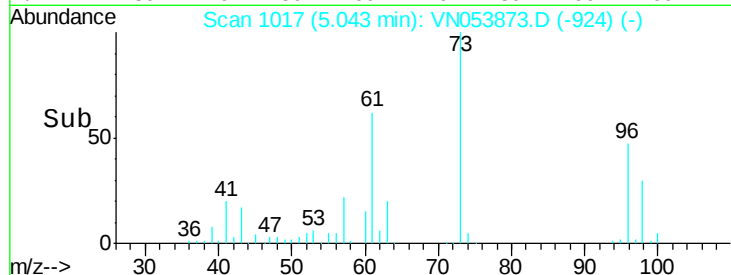
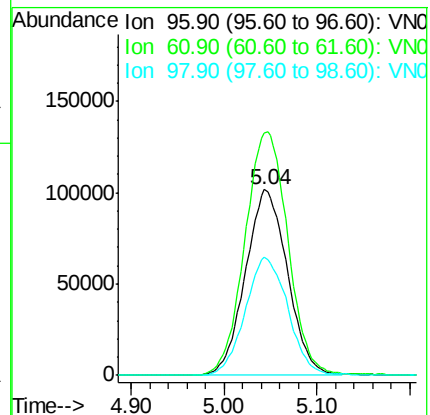
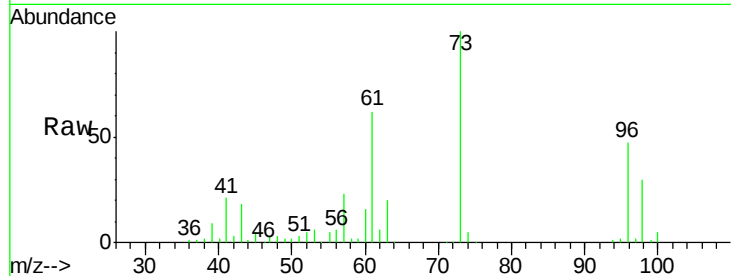
98 63.3 50.6 76.0

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#22

Diisopropyl ether

Concen: 52.261 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Tgt Ion: 45 Resp: 907090

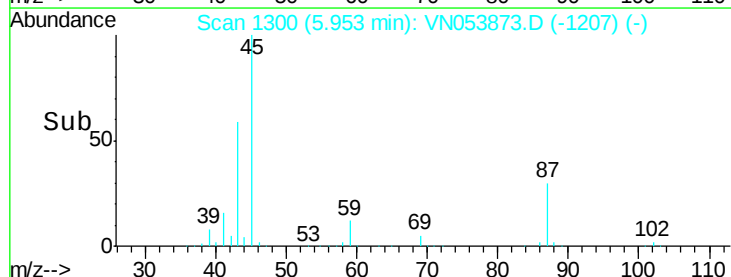
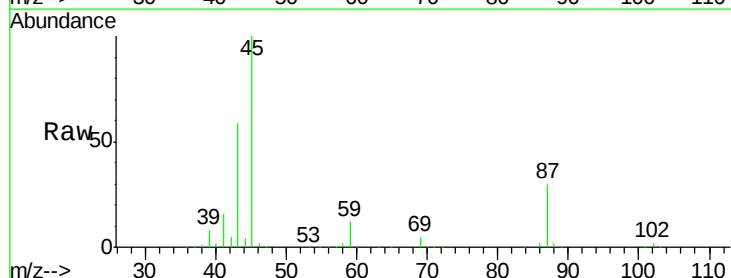
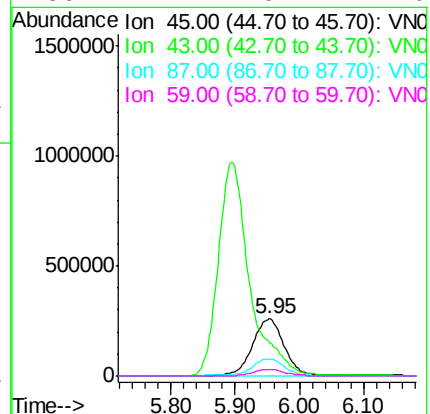
Ion Ratio Lower Upper

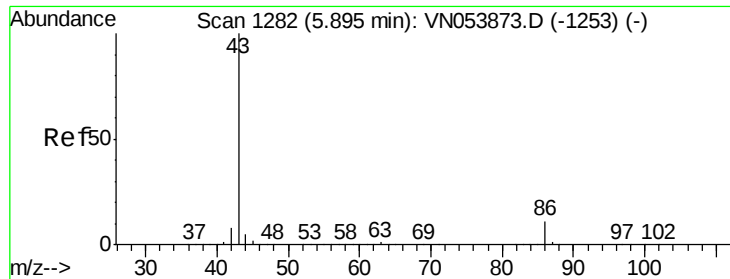
45 100

43 57.8 46.2 69.4

87 29.2 23.4 35.0

59 11.7 9.4 14.0





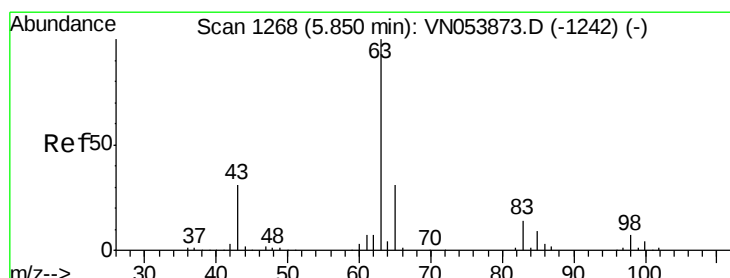
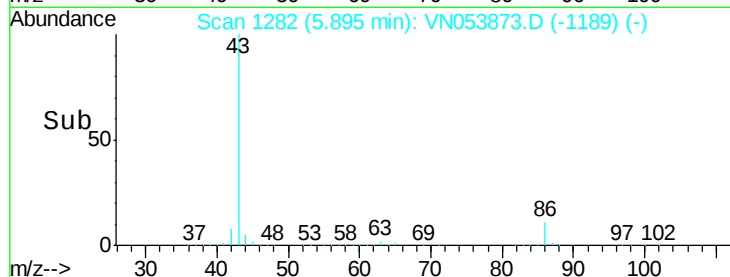
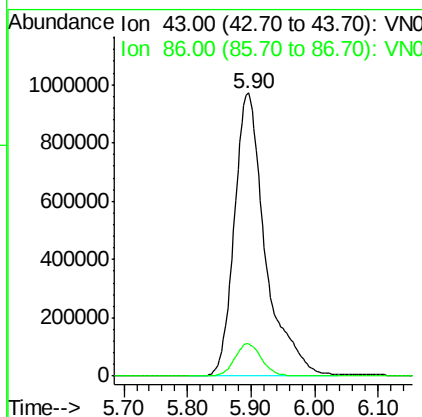
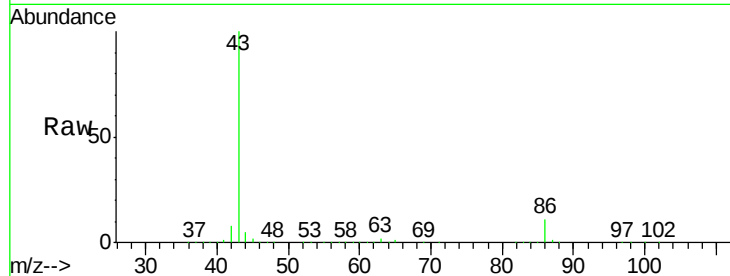
#23
 Vinyl Acetate
 Concen: 267.213 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 3291373
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.1 13.7

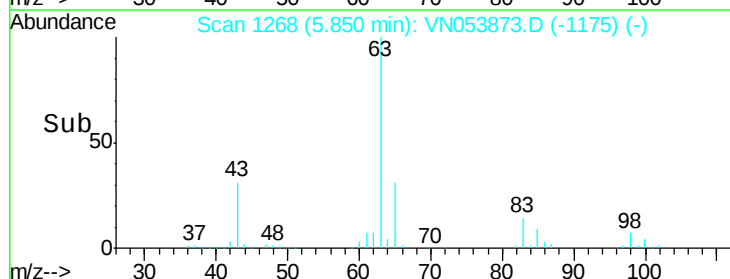
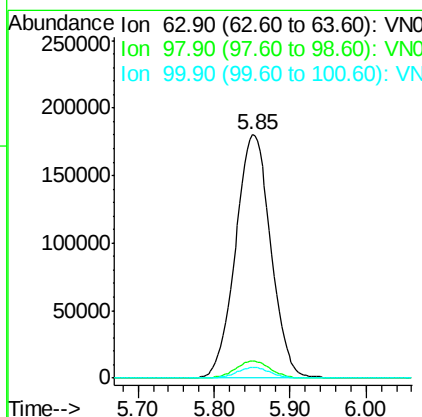
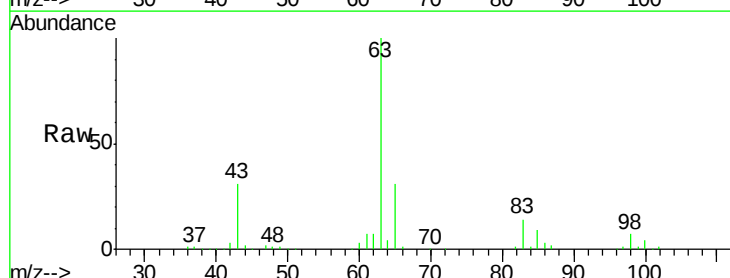
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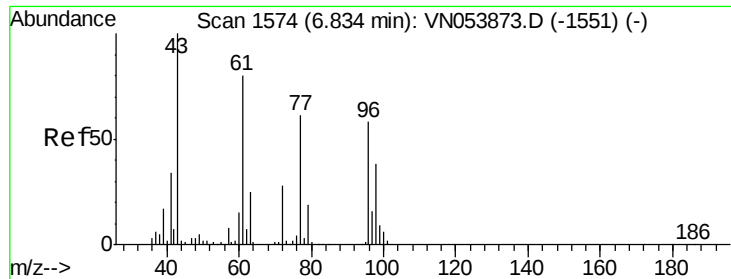
MMDadoda
 2/21/2019 10:52:00 AM



#24
 1,1-Dichloroethane
 Concen: 49.312 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Tgt Ion: 63 Resp: 579496
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 251.316 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 604270

Ion Ratio Lower Upper

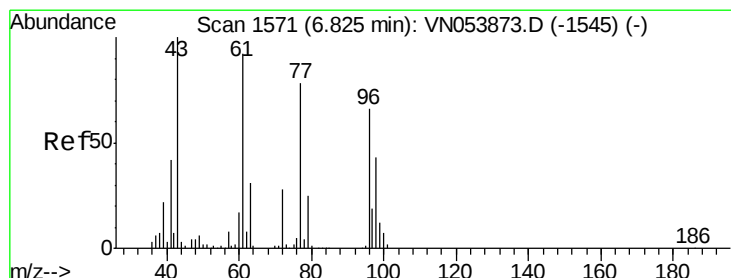
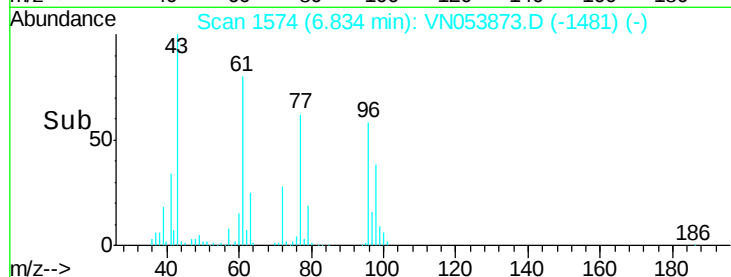
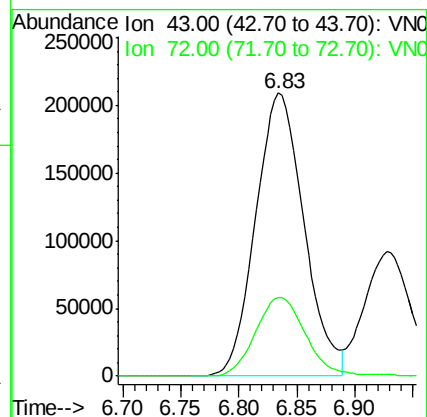
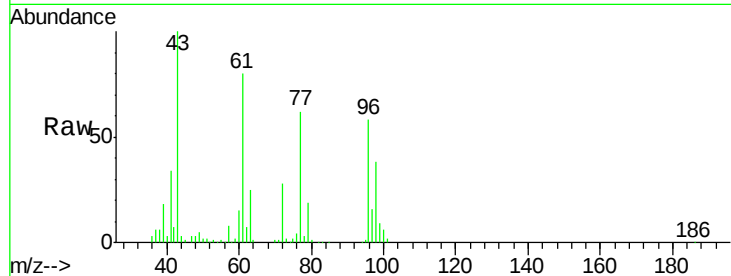
43 100

72 27.6 22.1 33.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 49.744 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053873.D

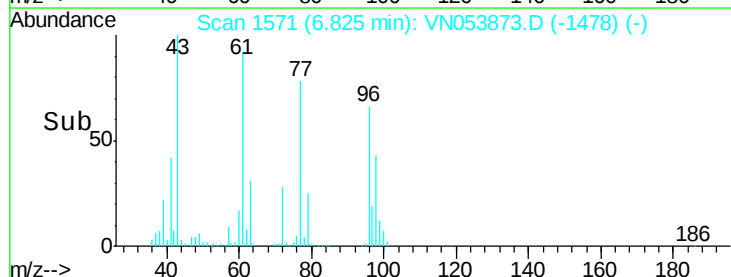
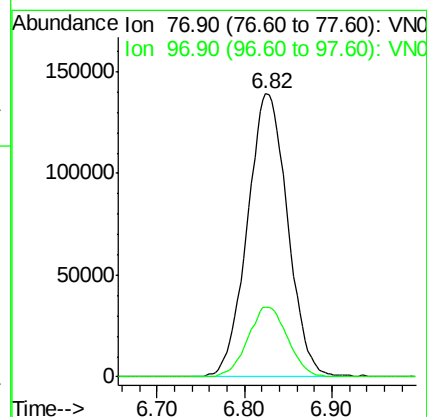
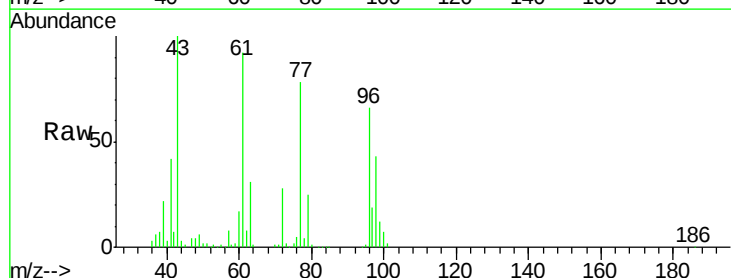
Acq: 20 Feb 2019 9:51

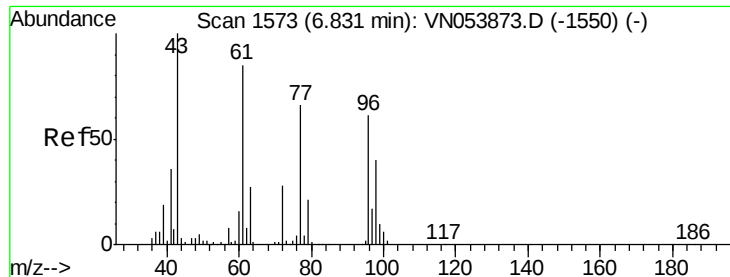
Tgt Ion: 77 Resp: 443588

Ion Ratio Lower Upper

77 100

97 24.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 50.410 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Instrument :

MSVOA_N

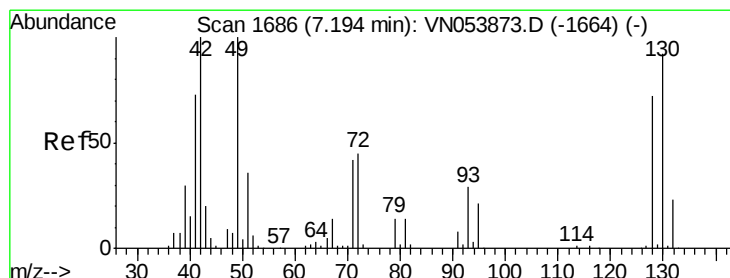
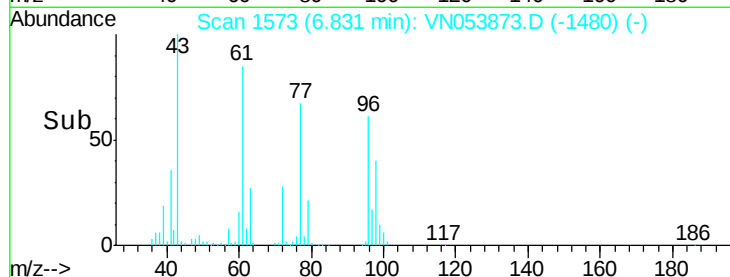
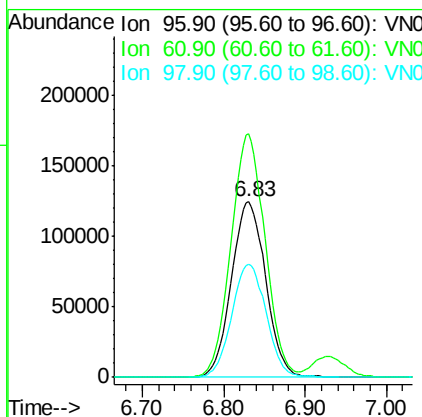
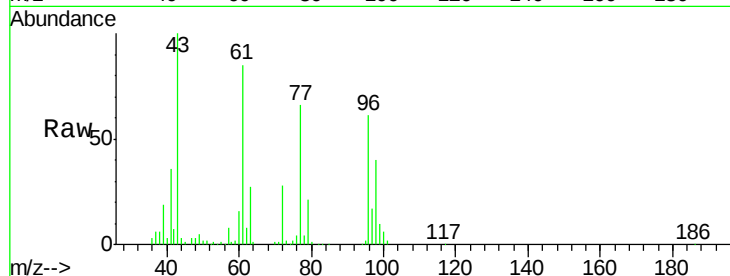
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	364639
Ion	Ratio	Lower	Upper
96	100		
61	137.8	0.0	275.6
98	65.0	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 50.648 ug/l

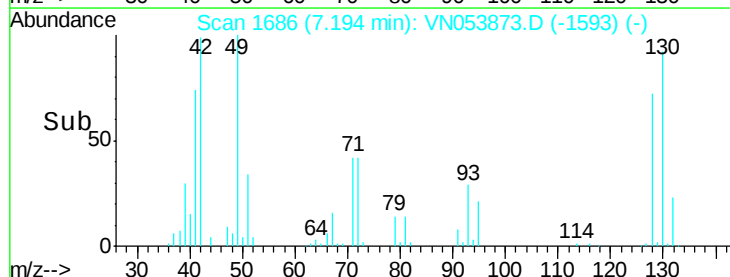
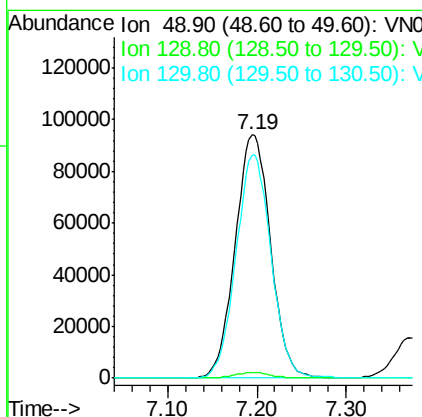
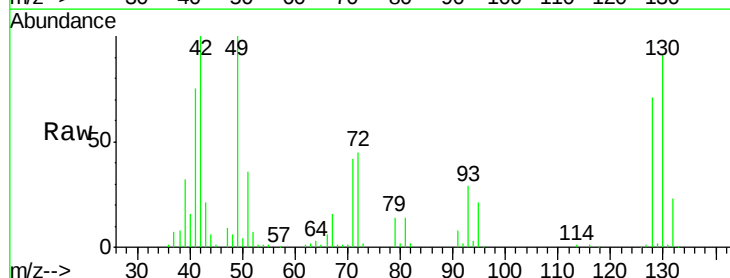
RT: 7.19 min Scan# 1686

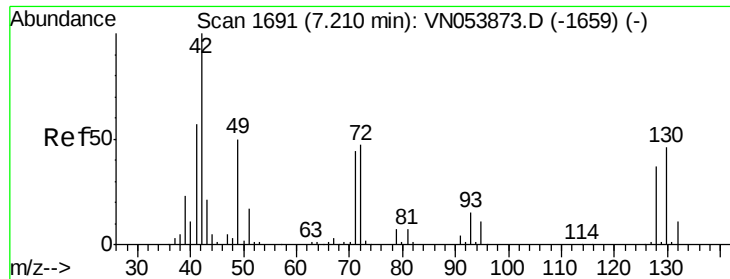
Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Tgt Ion:	49	Resp:	259764
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	91.1	72.9	109.3





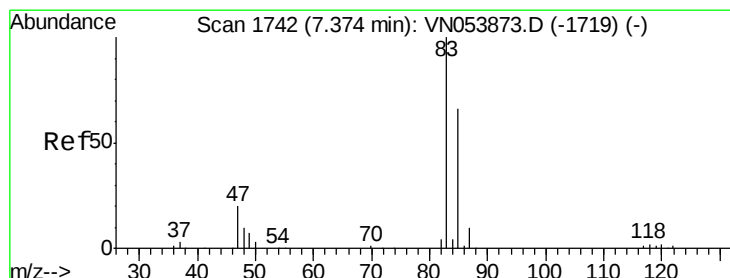
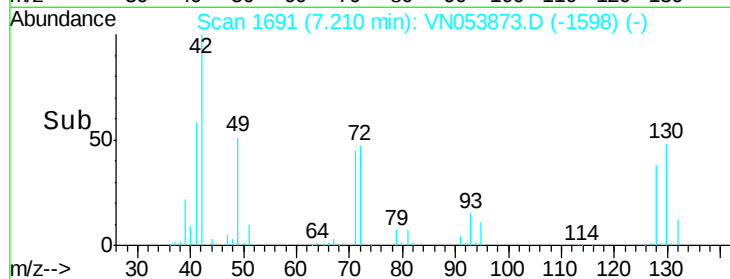
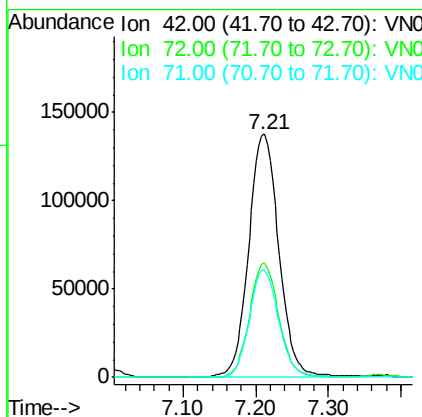
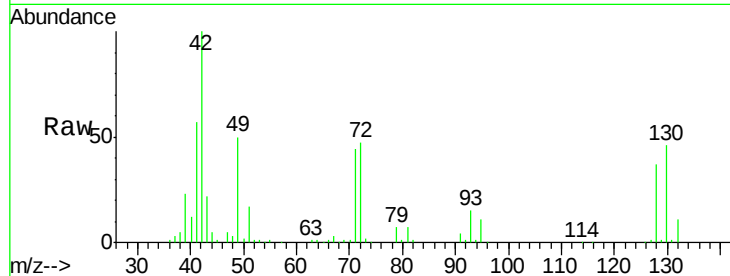
#29
Tetrahydrofuran
Concen: 254.984 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	36.9	55.3
71	43.3	34.6	52.0

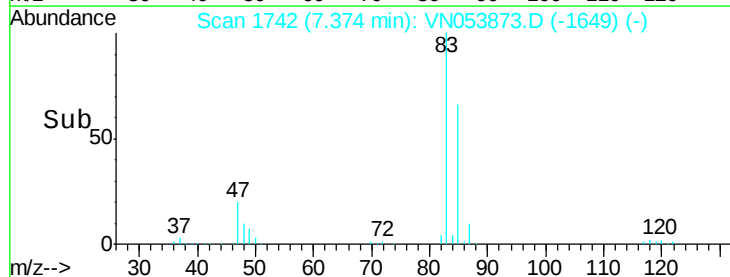
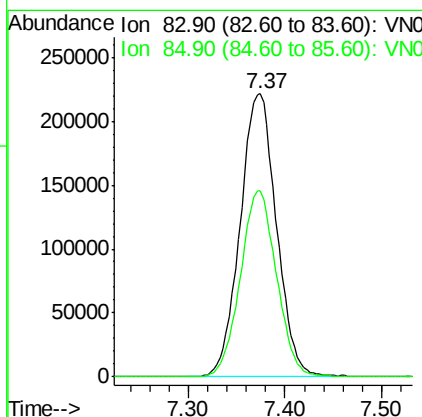
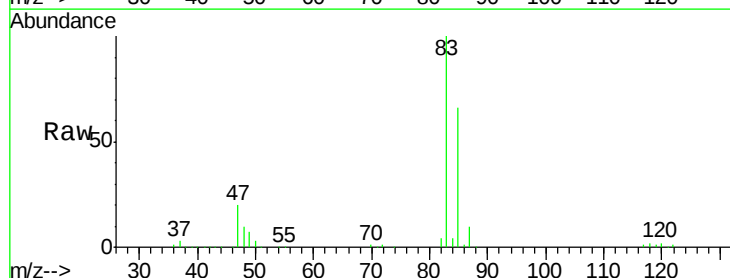
Manual Integrations
APPROVED

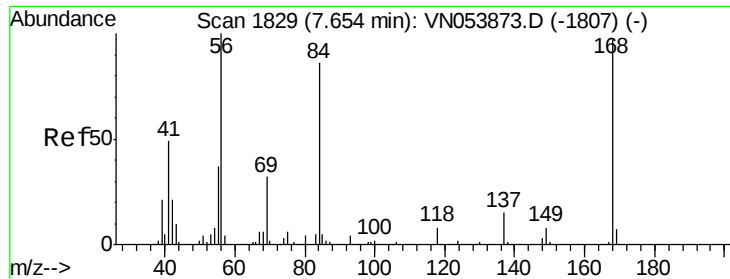
MMDadoda
2/21/2019 10:52:00 AM



#30
Chloroform
Concen: 48.881 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	78.8





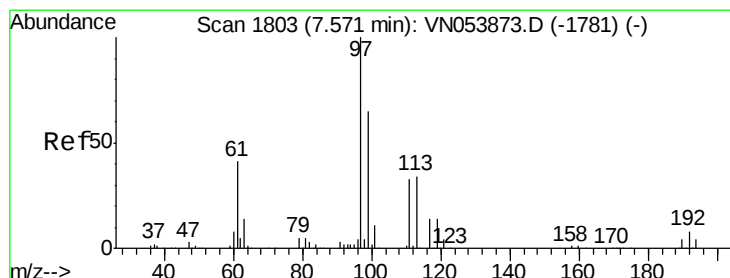
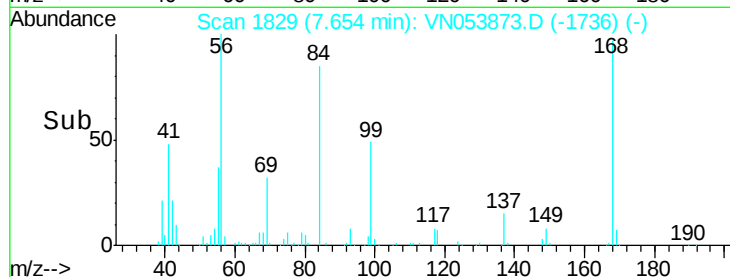
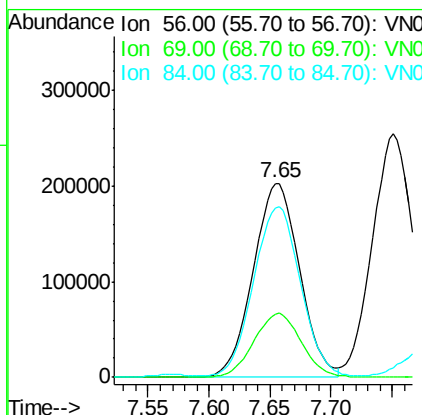
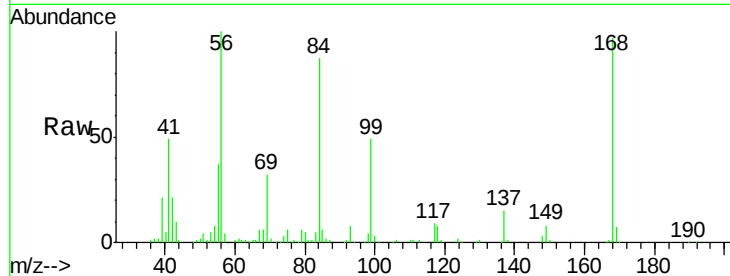
#31
Cyclohexane
Concen: 43.807 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100			
69	32.5	26.0	39.0	
84	86.4	69.1	103.7	

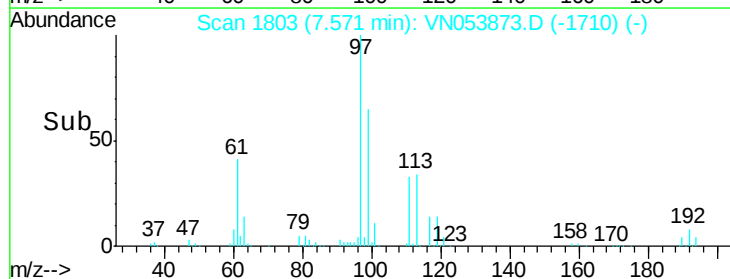
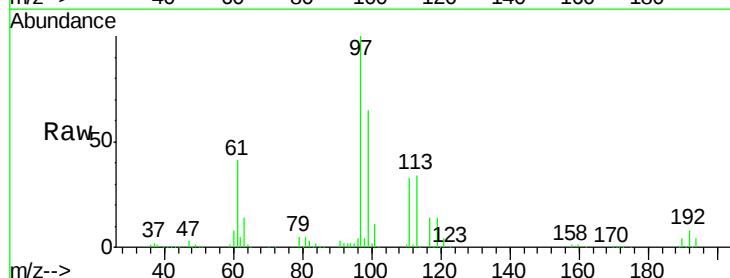
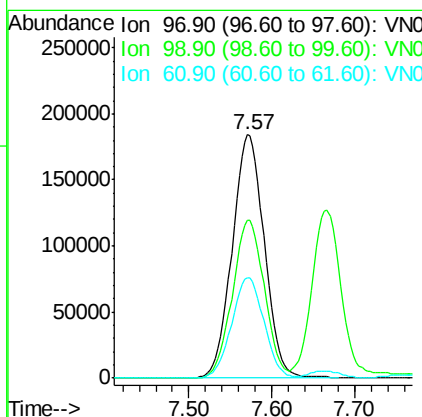
Manual Integrations
APPROVED

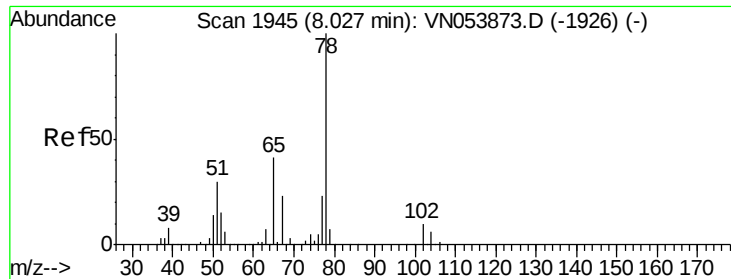
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#32
1,1,1-Trichloroethane
Concen: 49.106 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	64.8	51.8	77.8	
61	41.5	33.2	49.8	





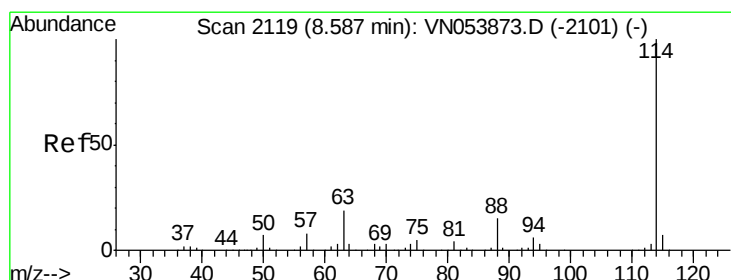
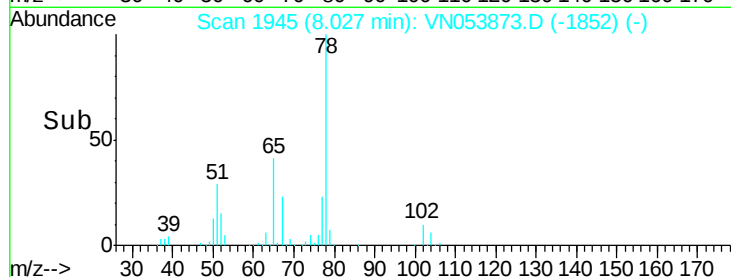
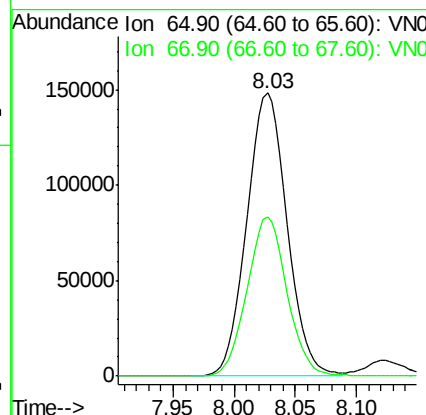
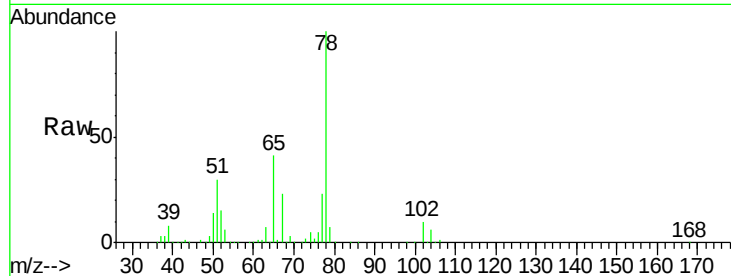
#33
 1,2-Dichloroethane-d4
 Concen: 49.963 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.9	0.0	111.8	

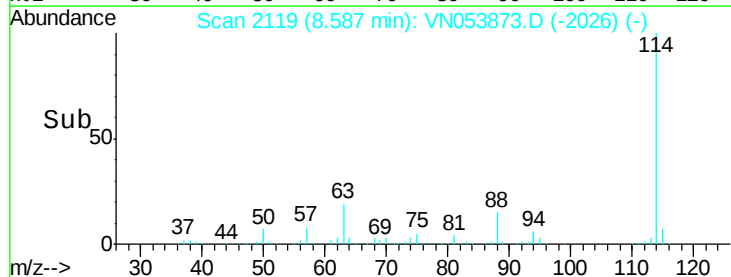
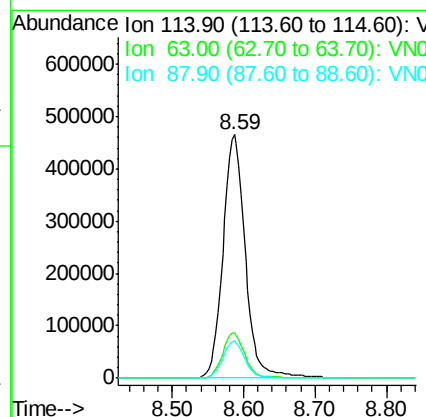
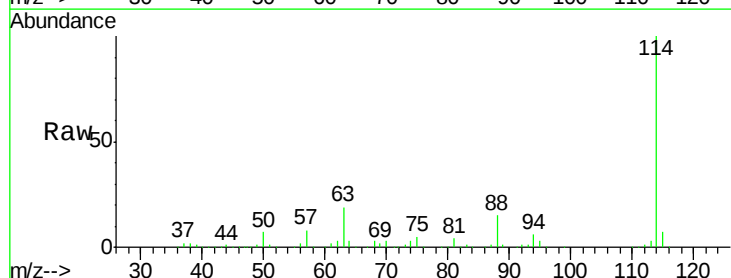
Manual Integrations
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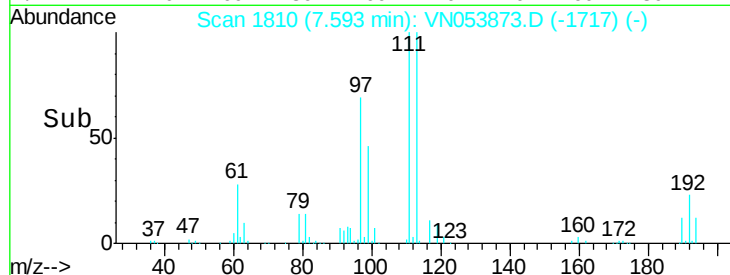
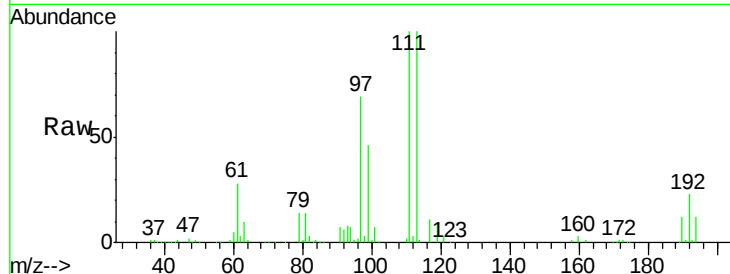
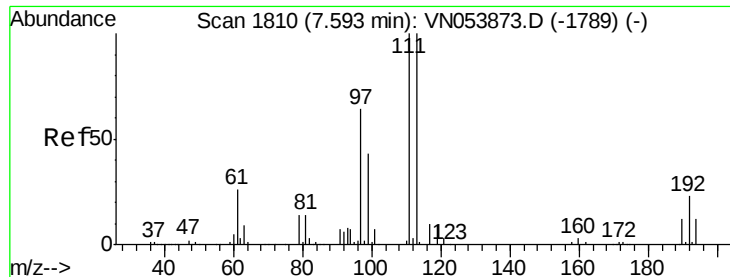
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 2/21/2019 10:52:00 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.7	0.0	37.4	
88	15.2	0.0	30.4	





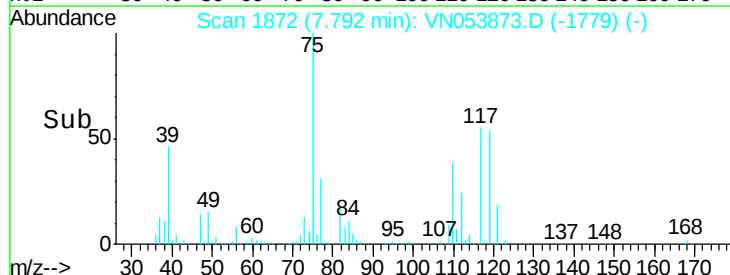
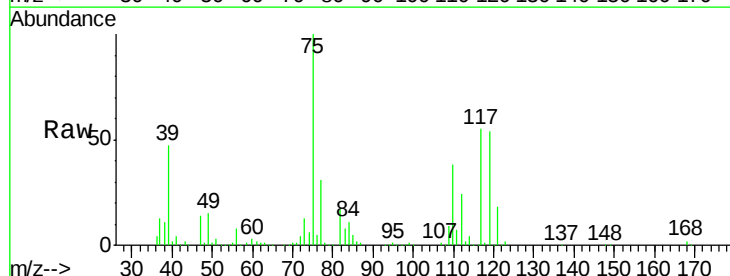
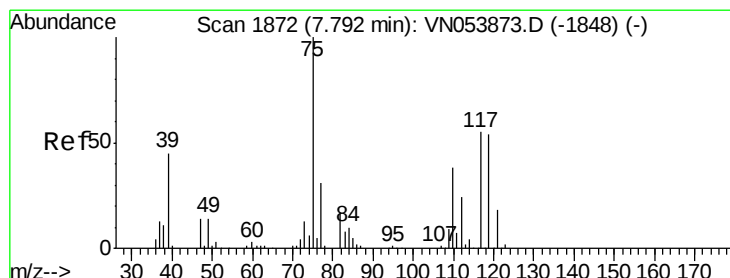
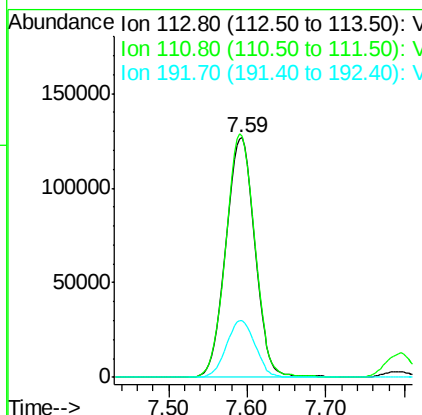
#35
Dibromofluoromethane
Concen: 48.929 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tot Ion	Ratio	Resp	Lower	Upper
113	100	324326		
111	101.4	81.1	121.7	
192	23.5	18.8	28.2	

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

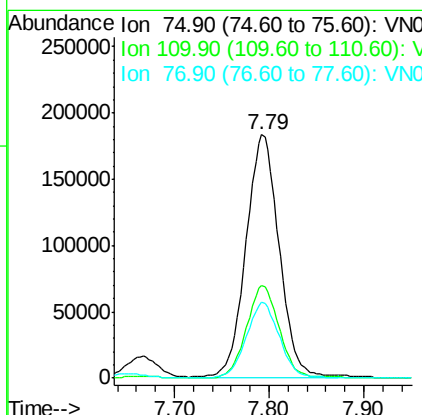
Manual Integrations
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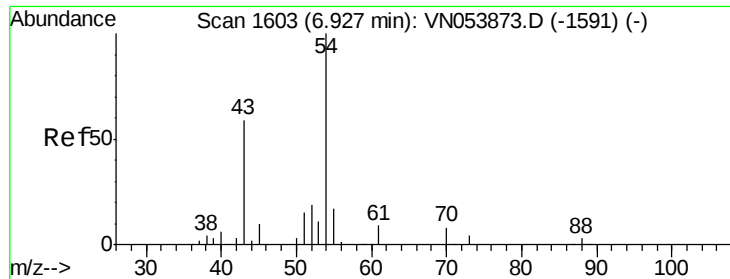
MMDadoda
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#36
1,1-Dichloropropene
Concen: 47.901 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	443457		
110	38.0	19.0	57.0	
77	31.7	25.4	38.0	





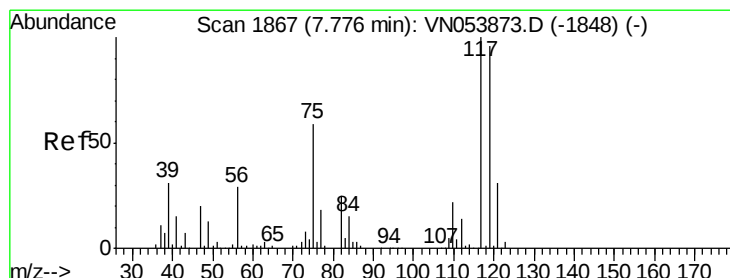
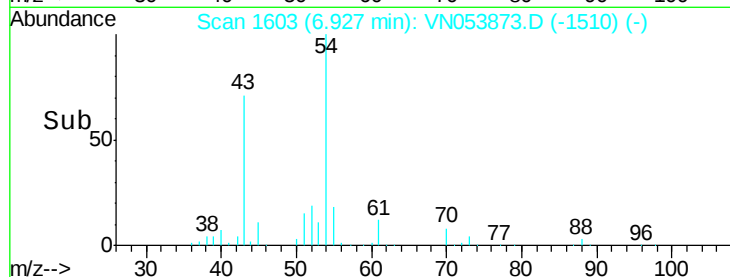
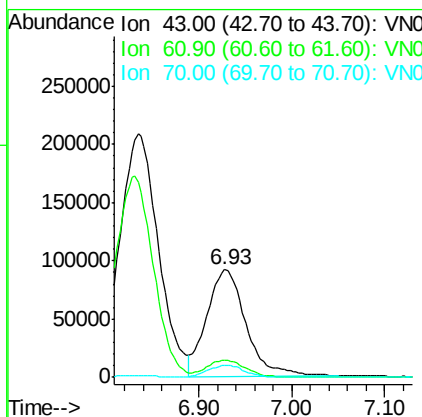
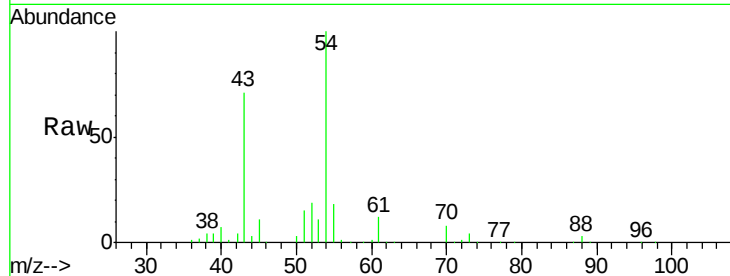
#37
Ethyl Acetate
Concen: 52.060 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.0	18.0
70	10.9	8.7	13.1

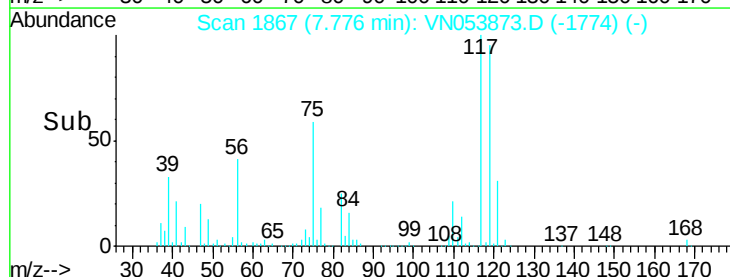
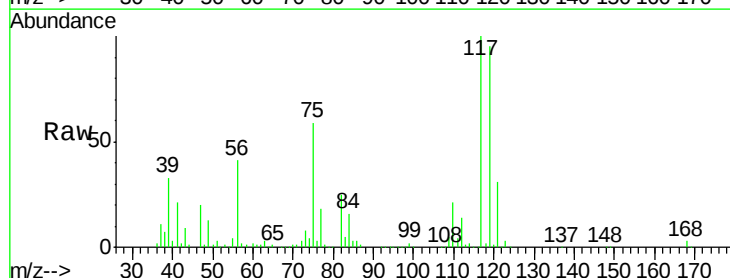
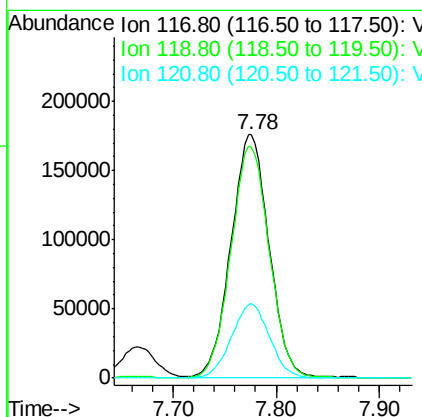
Manual Integrations
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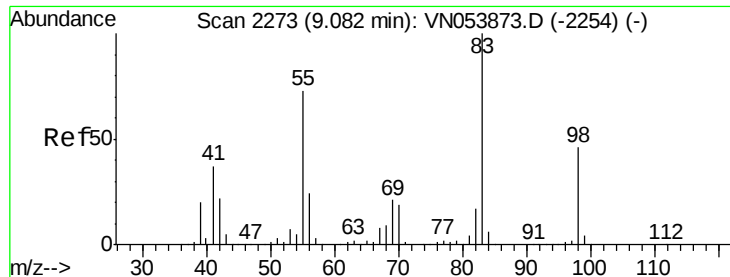
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#38
Carbon Tetrachloride
Concen: 45.278 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.2	114.2
121	30.7	24.6	36.8





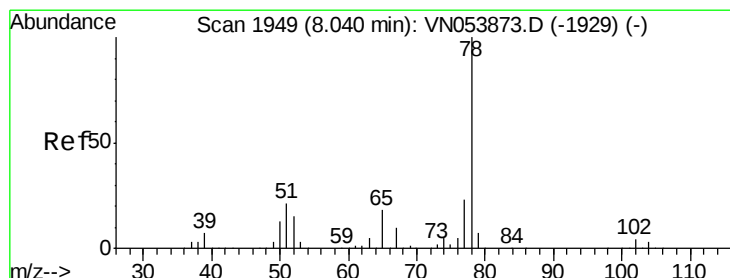
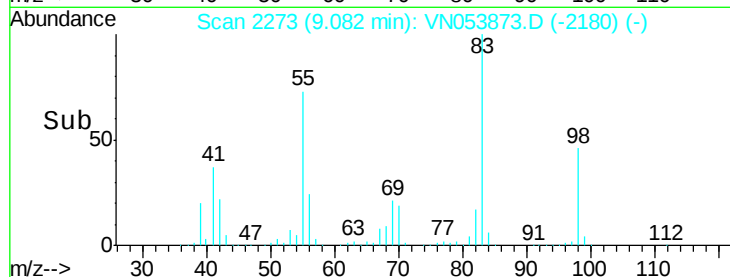
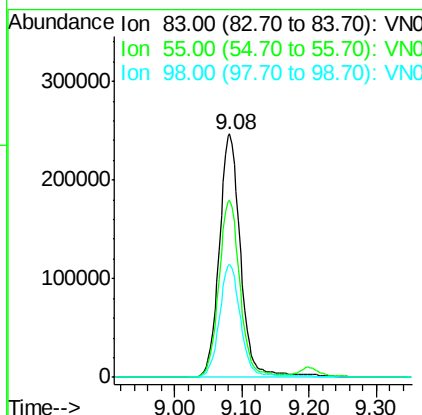
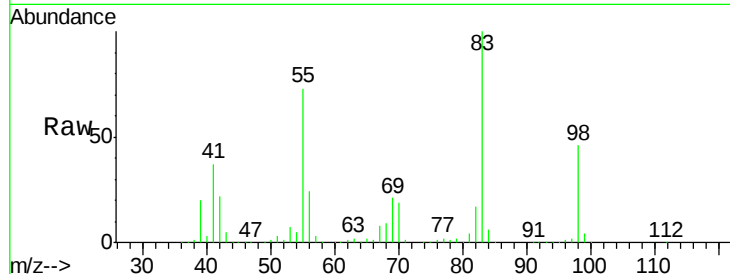
#39
Methvlcvclohexane
Concen: 51.411 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	58.2	87.4
98	46.5	37.2	55.8

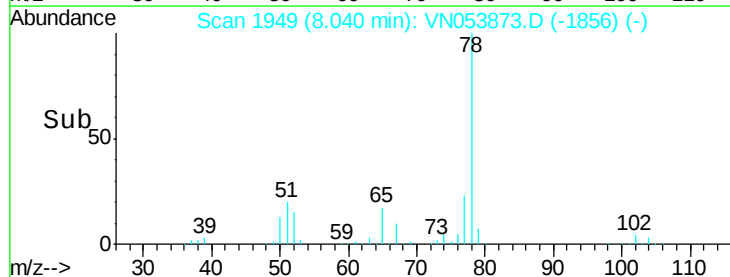
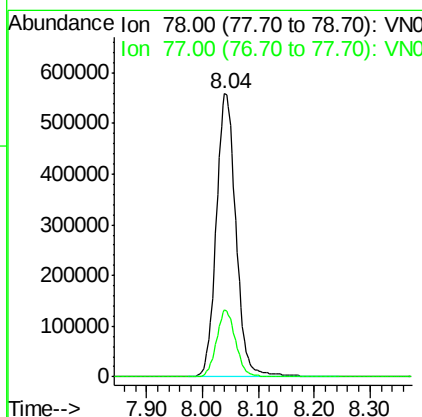
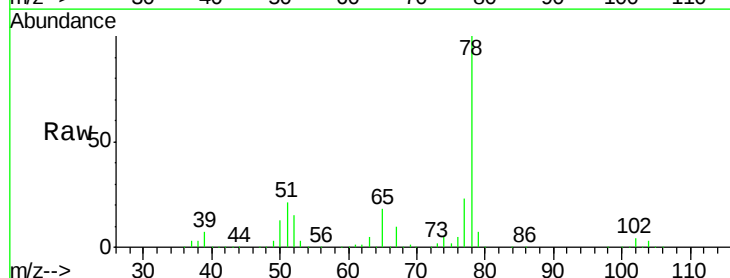
Manual Integrations
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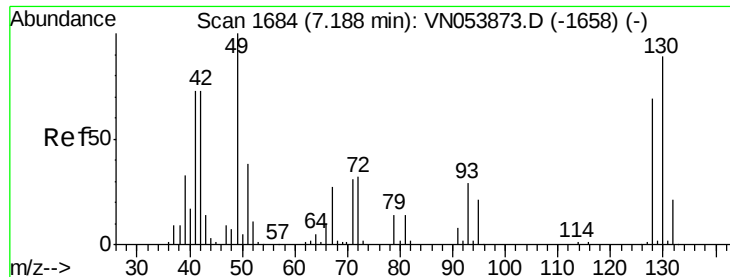
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2/21/2019 10:52:00 AM



#40
Benzene
Concen: 50.066 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





#41

Methacrylonitrile

Concen: 49.798 ug/l m

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 162427
Ion Ratio Lower Upper

41 100

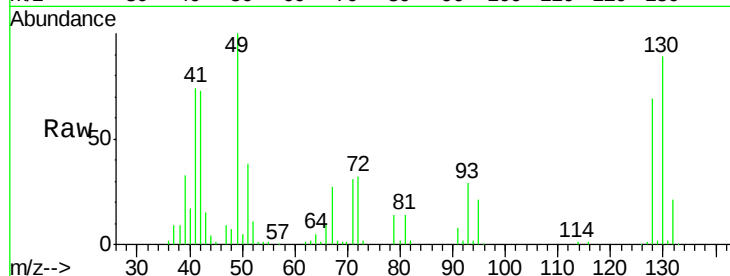
39 0.0 0.0 0.0

67 0.0 0.0 0.0

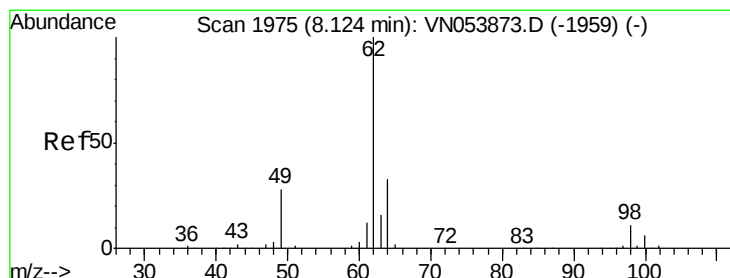
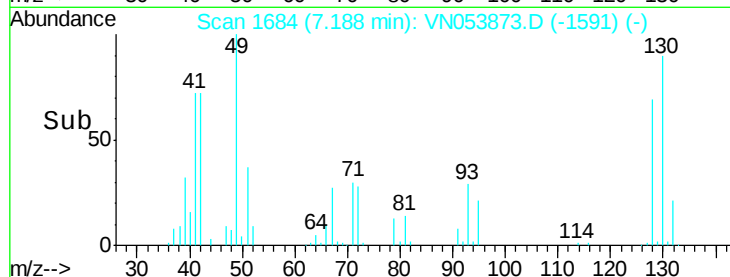
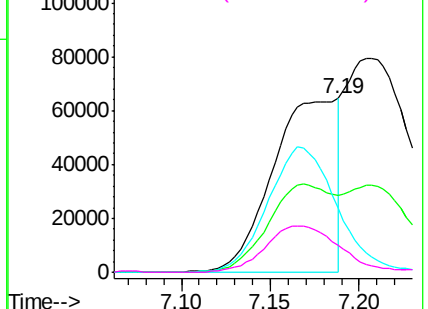
52 0.0 0.0 0.0

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 48.375 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

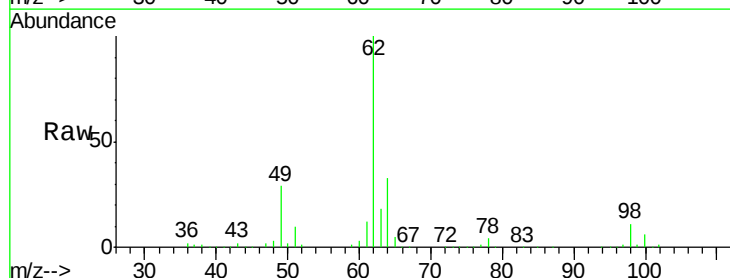
Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

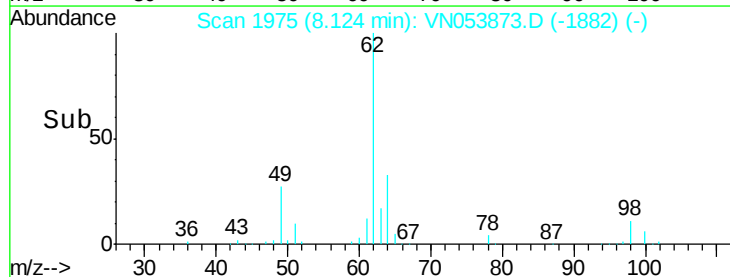
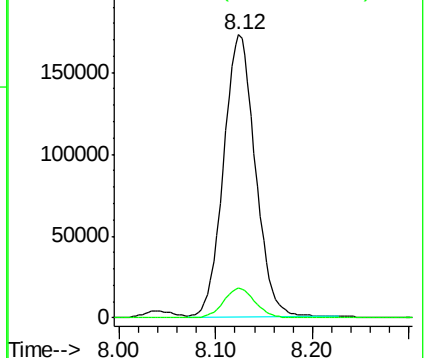
Tgt Ion: 62 Resp: 394698
Ion Ratio Lower Upper

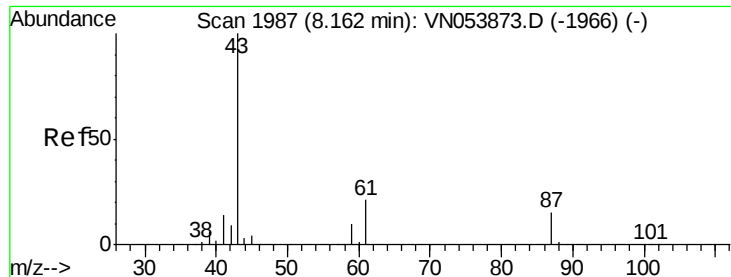
62 100

98 10.4 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

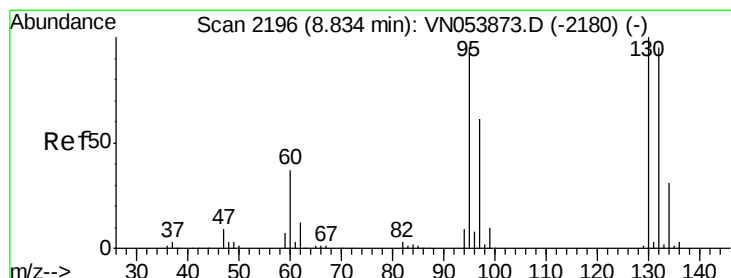
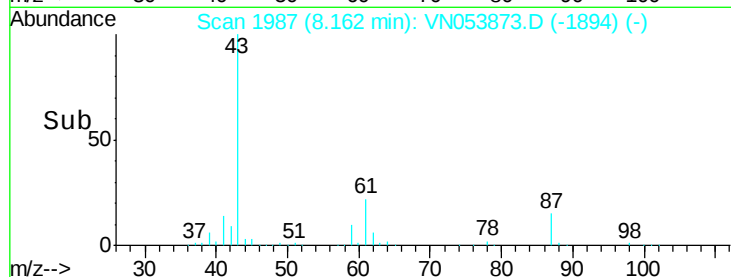
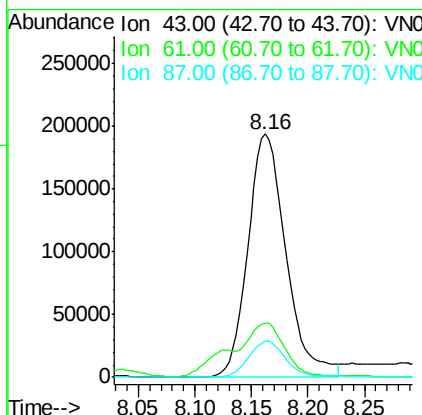
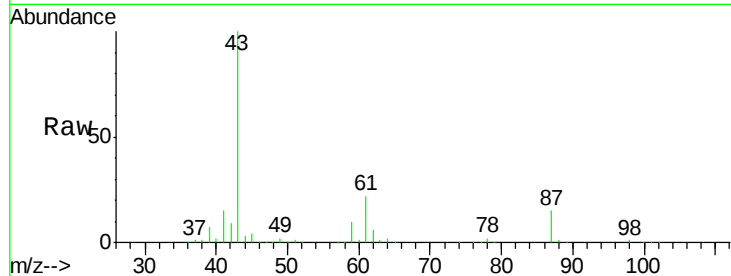
Isopropyl Acetate
 Concen: 45.920 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.4	26.0
87	14.4	11.5	17.3

Manual Integrations
 APPROVED

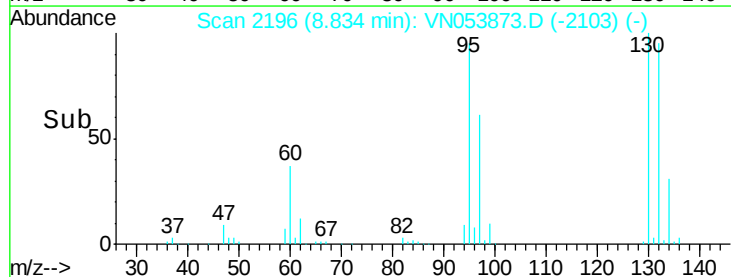
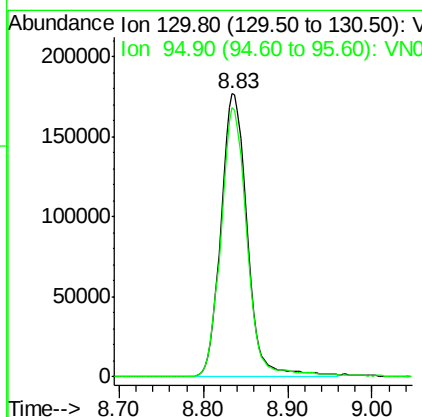
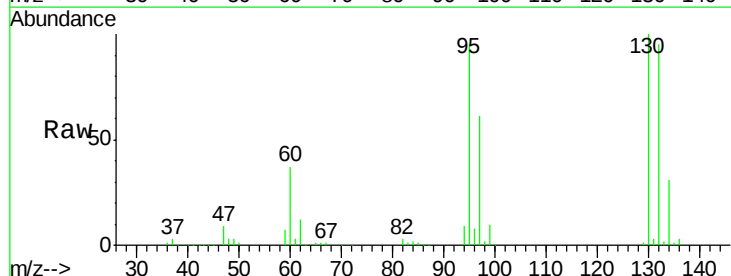
MMDadoda
 2/21/2019 10:52:00 AM

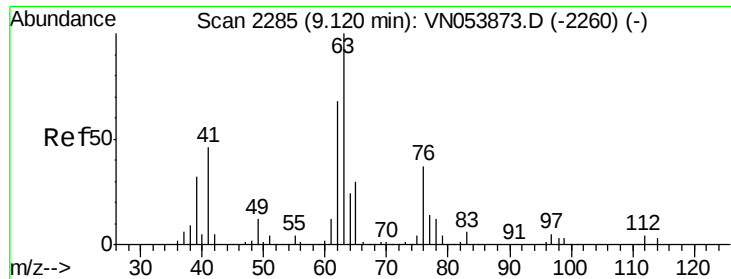


#44

Trichloroethene
 Concen: 50.269 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	190.0





#45

1,2-Dichloropropane

Concen: 50.068 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 349841

Ion Ratio Lower Upper

63 100

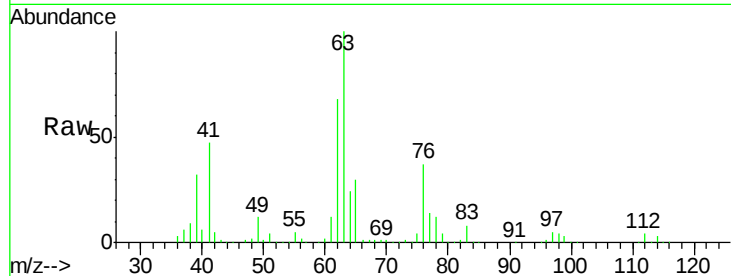
65 30.4 24.3 36.5

Manual Integrations

APPROVED

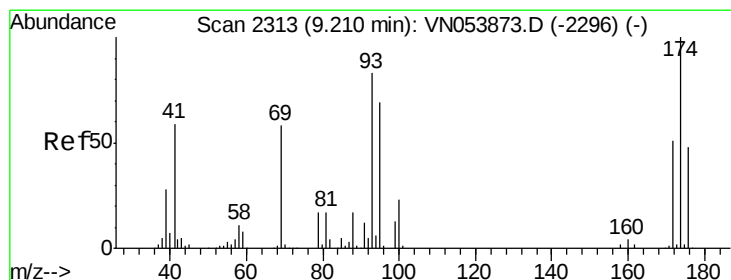
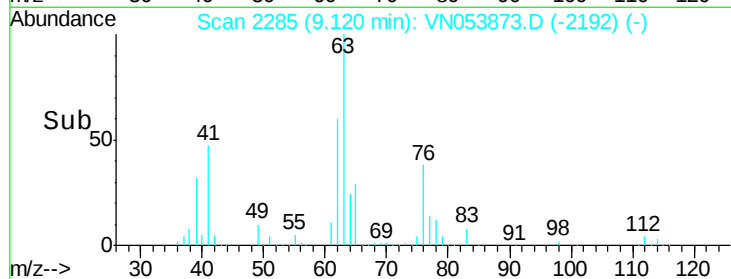
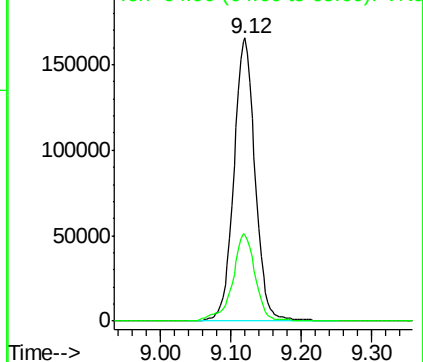
MMDadoda

2/21/2019 10:52:00 AM



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#46

Dibromomethane

Concen: 50.343 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

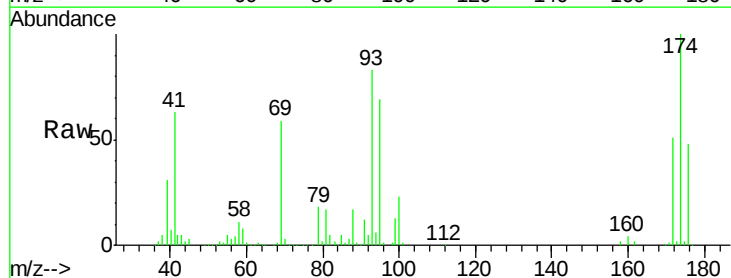
Tgt Ion: 93 Resp: 211804

Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

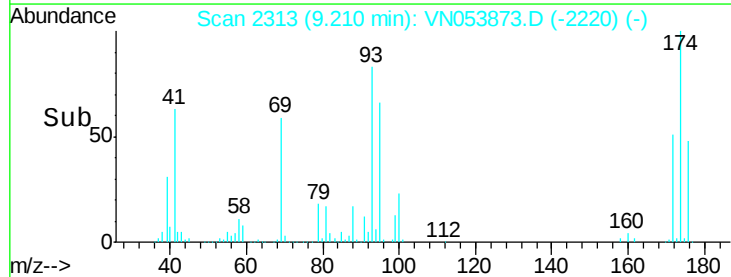
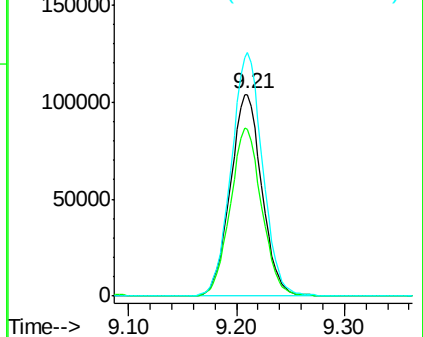
174 120.3 96.2 144.4

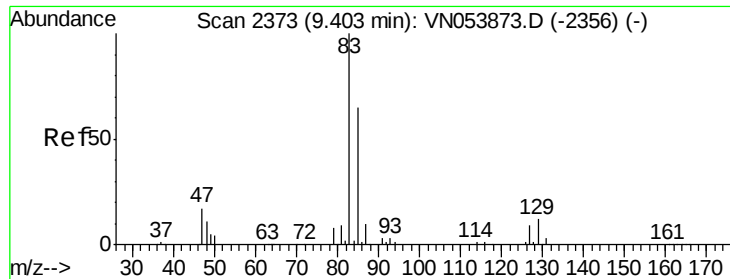


Abundance Ion 92.80 (92.50 to 93.50): VNC

Ion 94.80 (94.50 to 95.50): VNC

Ion 173.70 (173.40 to 174.40): V





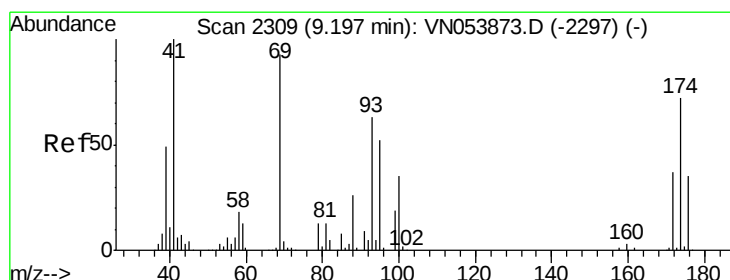
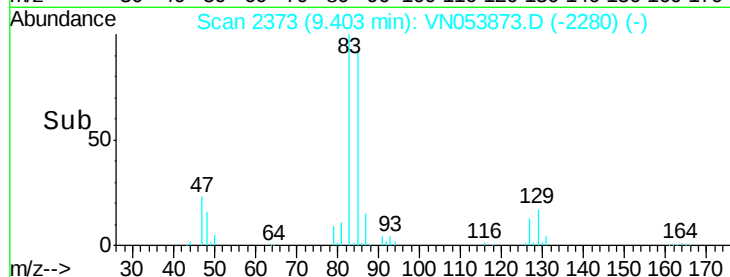
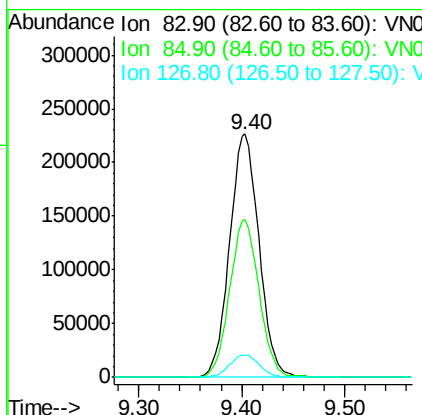
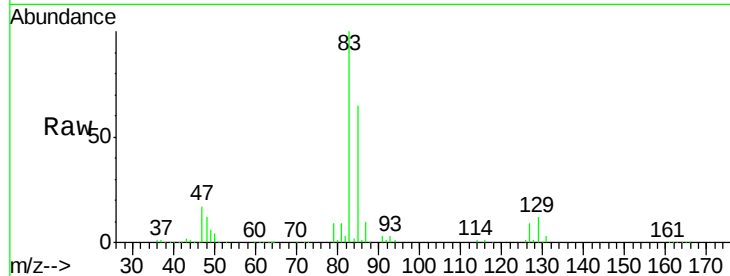
#47
Bromodichloromethane
Concen: 50.735 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	450296
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	9.2	7.4	11.0

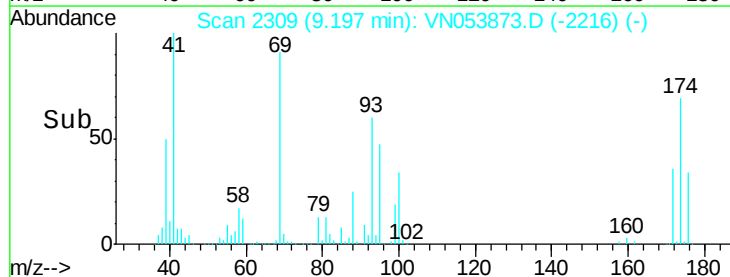
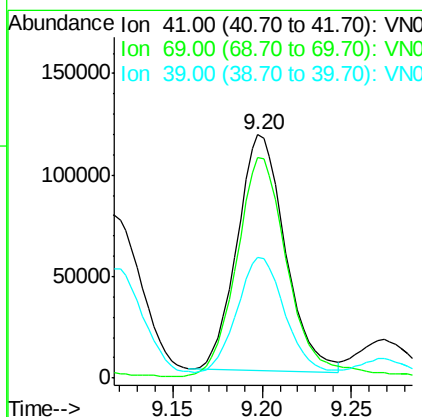
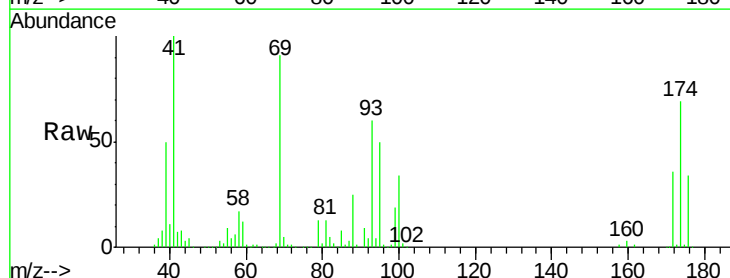
Manual Integrations
APPROVED

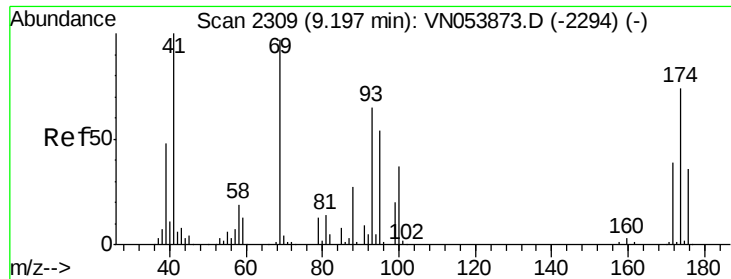
MMDadoda
2/21/2019 10:52:00 AM



#48
Methyl methacrylate
Concen: 48.062 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion	41	Resp	218224
Ion Ratio	100	Lower	Upper
41	100		
69	101.5	74.8	112.2
39	53.0	39.0	58.6





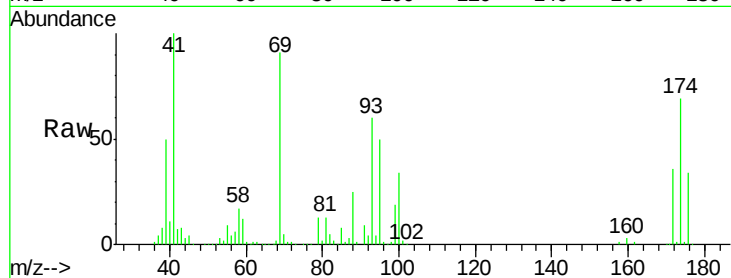
#49
1,4-Dioxane
Concen: 1023.882 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.5	21.2	31.8
58	67.7	54.2	81.2

Manual Integrations
APPROVED

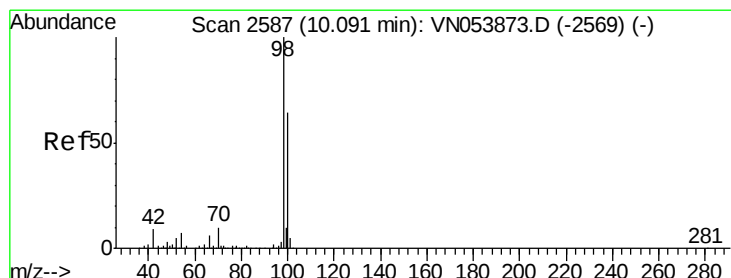
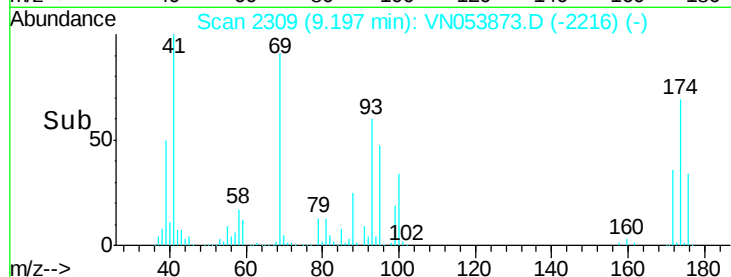
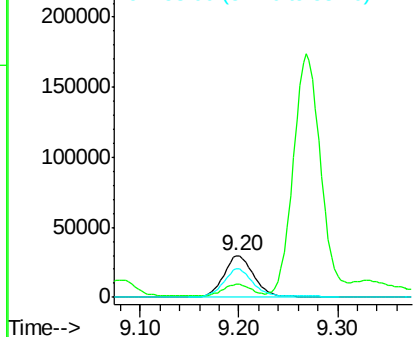
MMDadoda
2/21/2019 10:52:00 AM



Abundance Ion 88.00 (87.70 to 88.70): VN053873.D (-2294) (-)

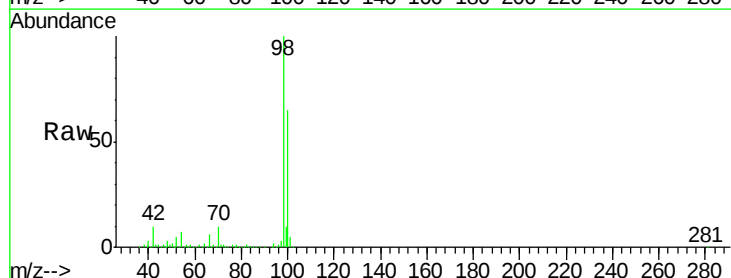
Ion 43.00 (42.70 to 43.70): VN053873.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053873.D (-2294) (-)



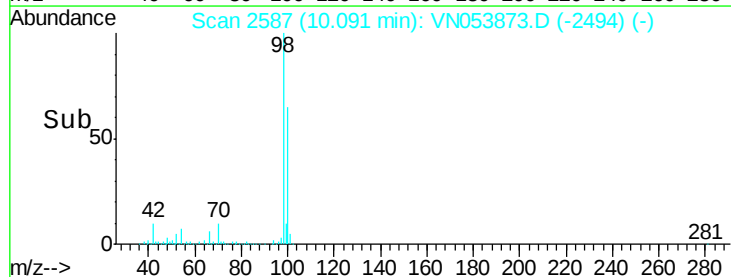
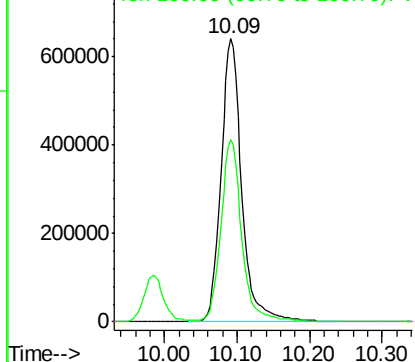
#50
Toluene-d8
Concen: 52.814 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

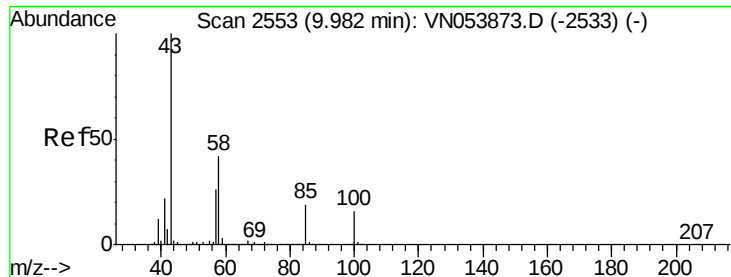
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN053873.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053873.D (-2569) (-)





#51

4-Methyl-2-Pentanone

Concen: 279.809 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1284455

Ion Ratio Lower Upper

43 100

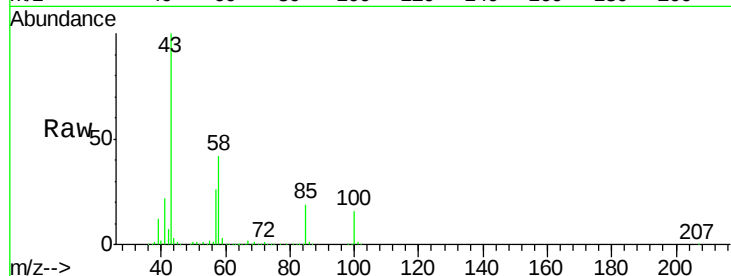
58 40.9 32.7 49.1

Manual Integrations

APPROVED

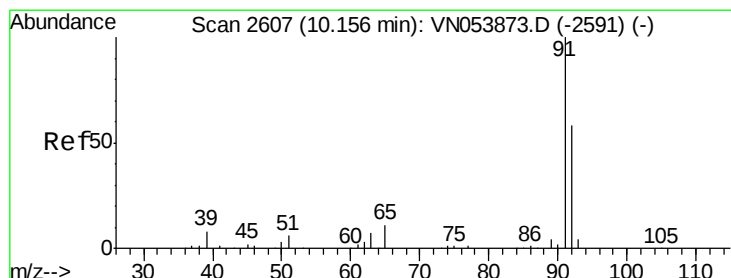
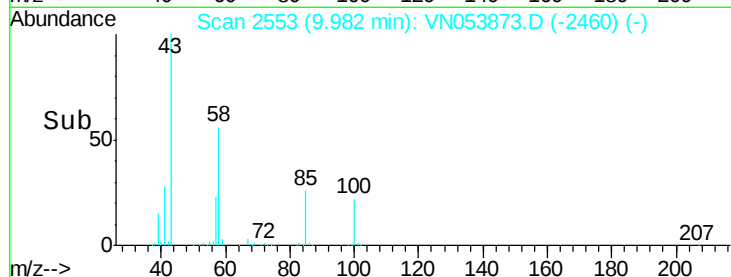
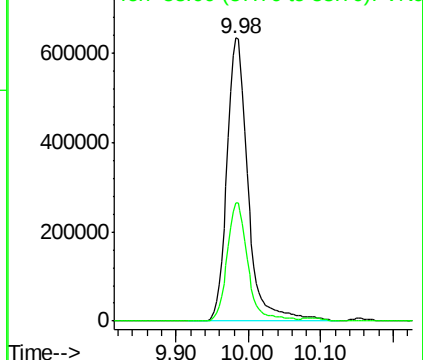
MMDadoda

2/21/2019 10:52:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 53.454 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053873.D

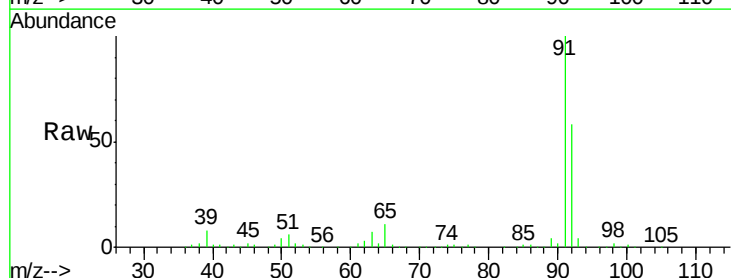
Acq: 20 Feb 2019 9:51

Tgt Ion: 92 Resp: 866955

Ion Ratio Lower Upper

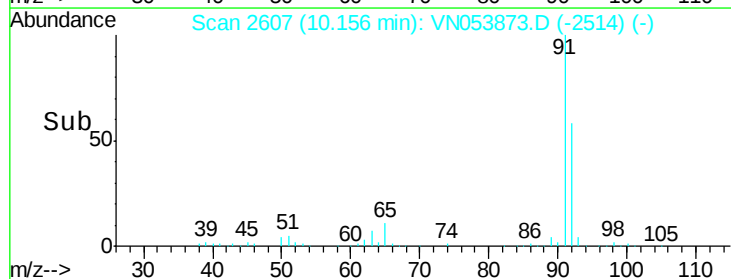
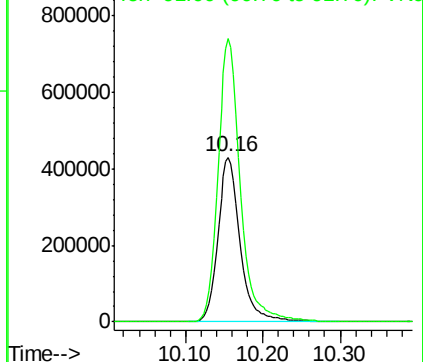
92 100

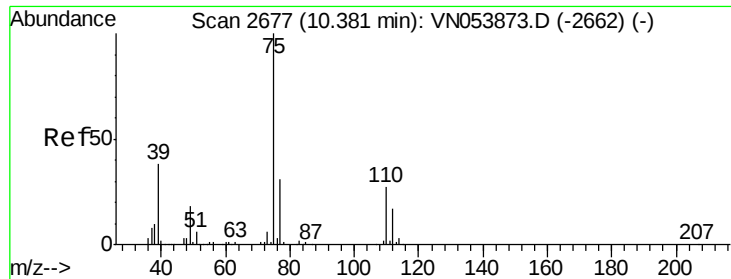
91 173.0 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





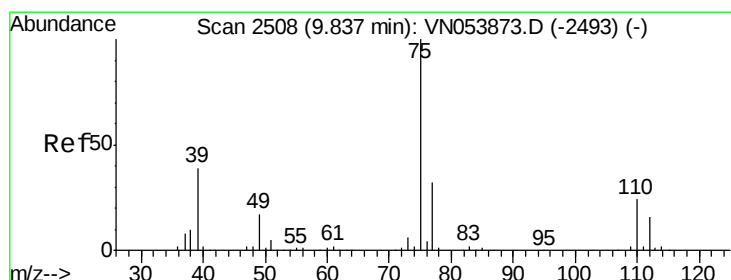
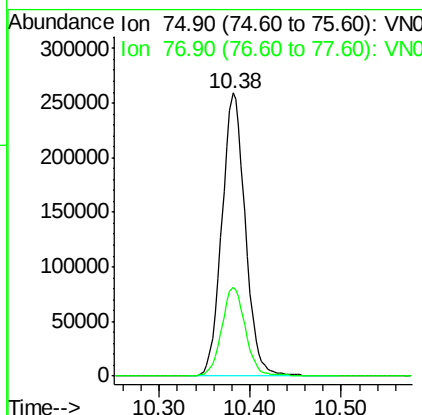
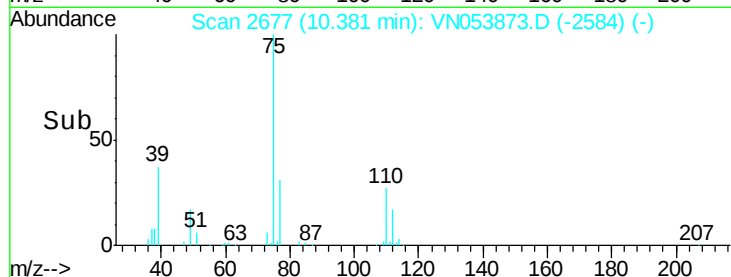
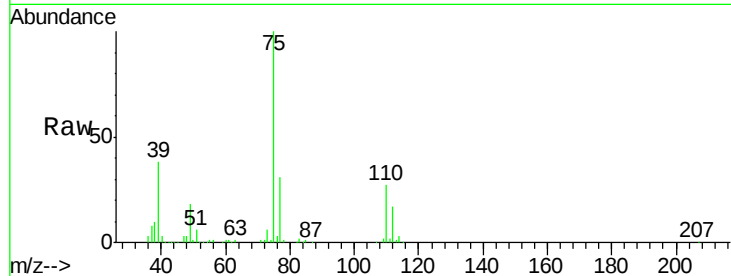
#53
t-1,3-Dichloropropene
Concen: 53.818 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 463829
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6

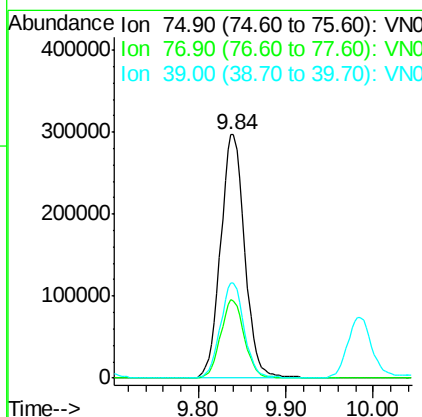
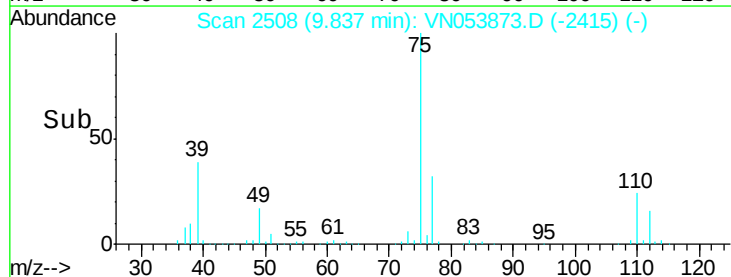
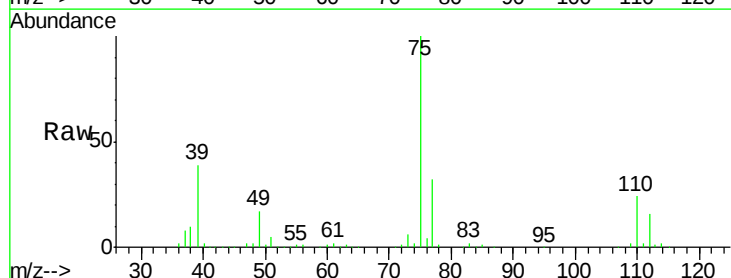
Manual Integrations
APPROVED

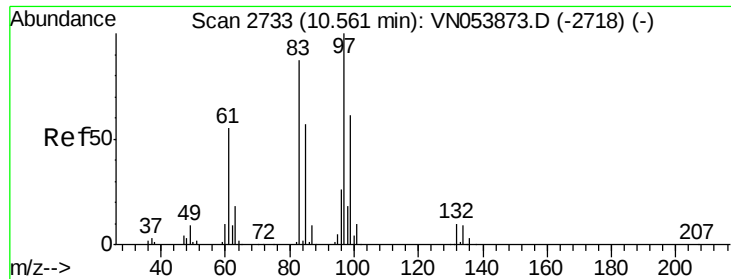
MMDadoda
2/21/2019 10:52:00 AM



#54
cis-1,3-Dichloropropene
Concen: 55.949 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion: 75 Resp: 568342
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.6
39 39.2 31.4 47.0





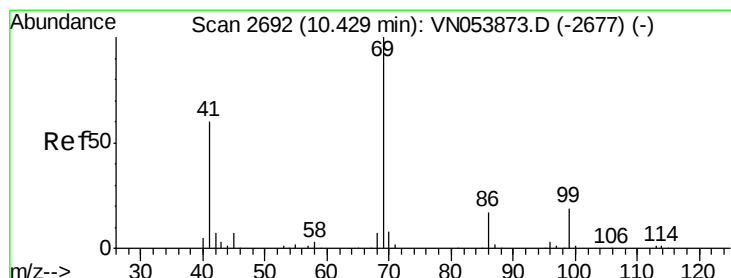
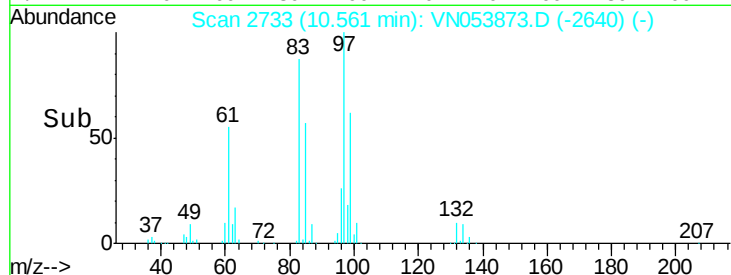
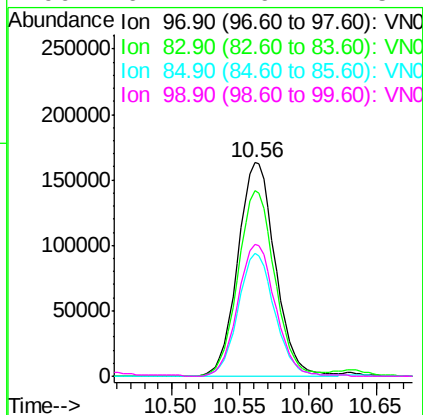
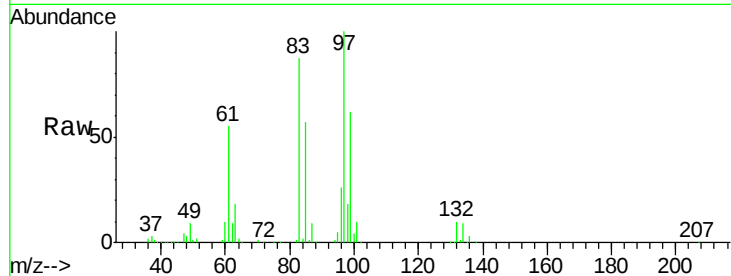
#55
 1,1,2-Trichloroethane
 Concen: 52.537 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.5	104.3
85	57.4	45.9	68.9
99	61.4	49.1	73.7

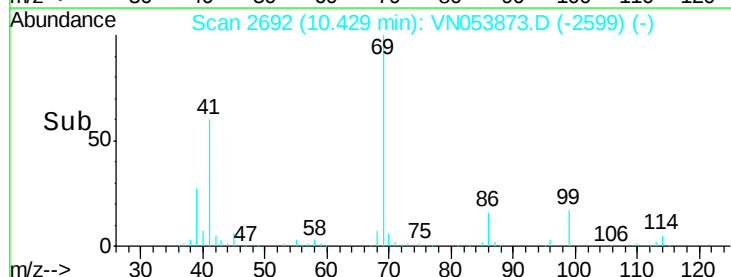
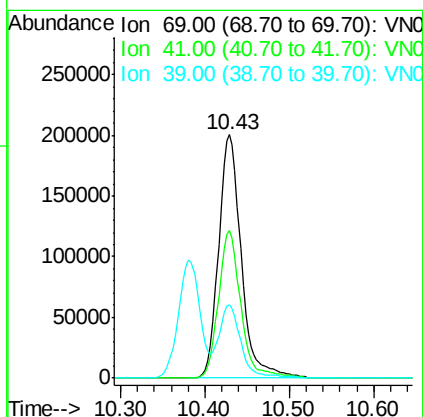
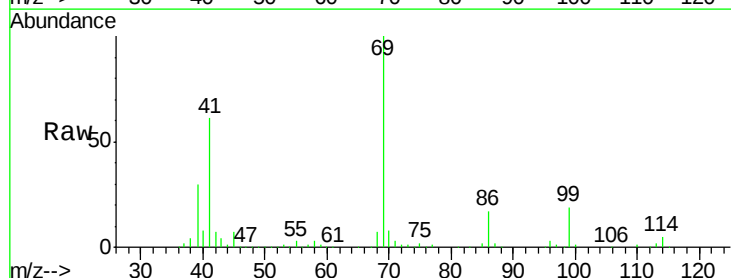
Manual Integrations
 APPROVED

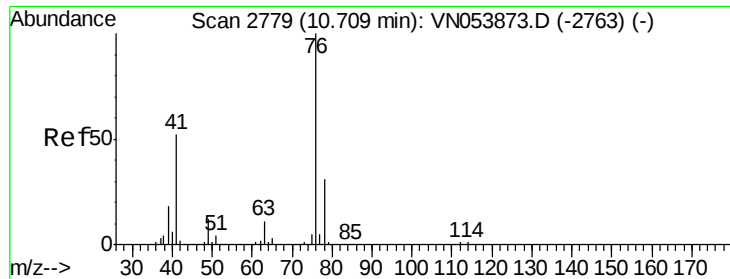
MMDadoda
 2/21/2019 10:52:00 AM



#56
 Ethyl methacrylate
 Concen: 56.108 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.4	47.5	71.3
39	29.2	23.4	35.0





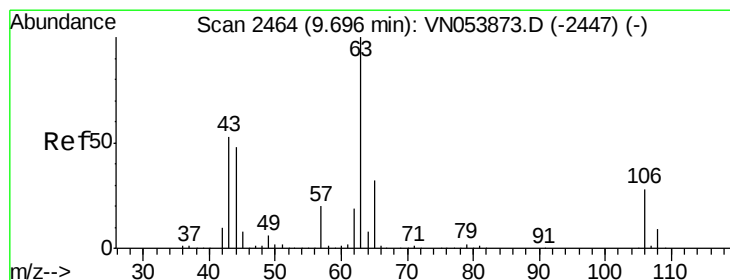
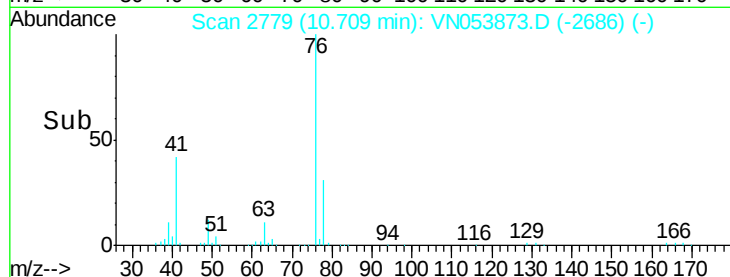
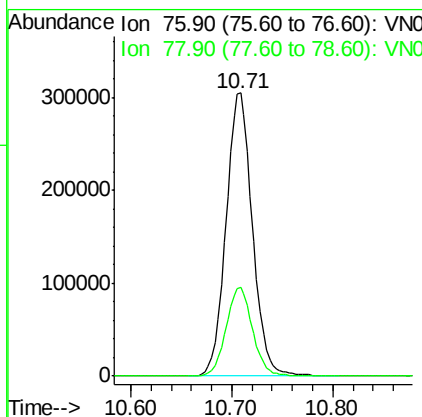
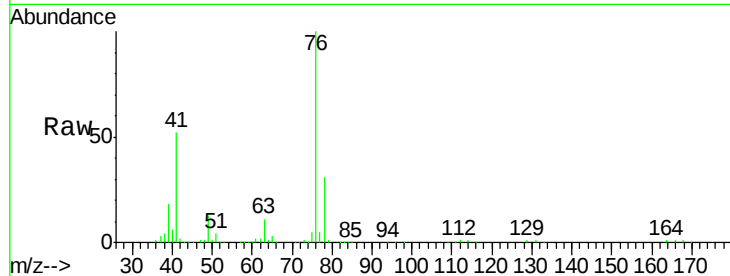
#57
 1,3-Dichloropropane
 Concen: 55.727 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 556317
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.2 37.8

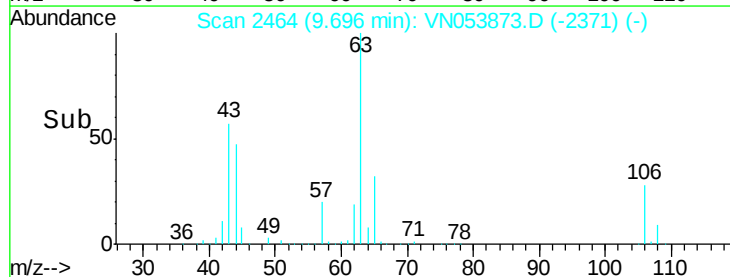
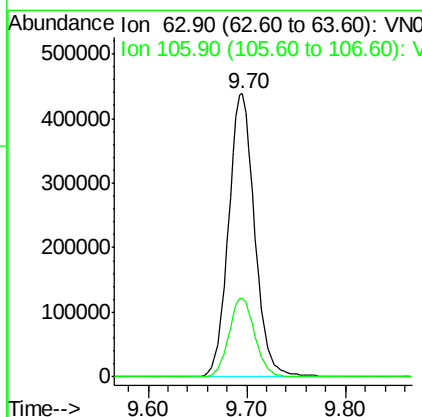
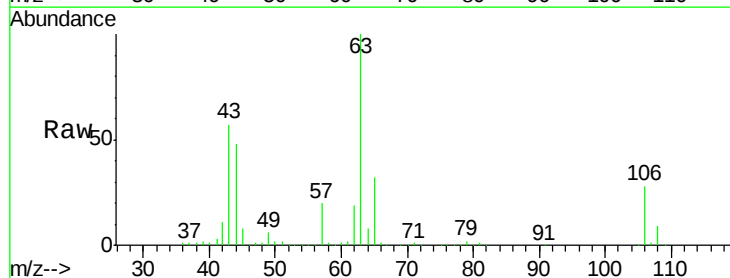
Manual Integrations
 APPROVED

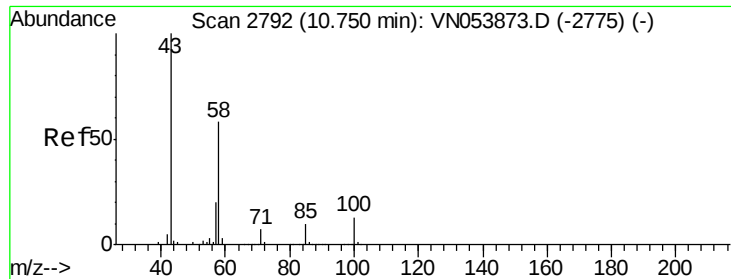
MMDadoda
 2/21/2019 10:52:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.979 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Tgt Ion: 63 Resp: 809970
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.2 33.2





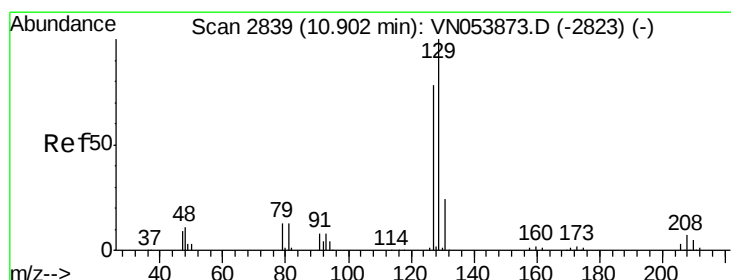
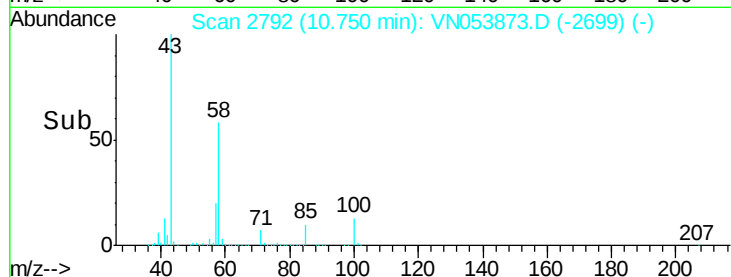
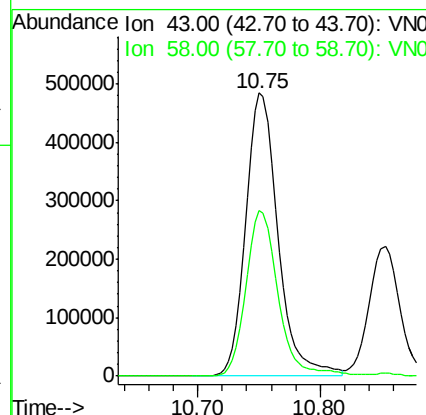
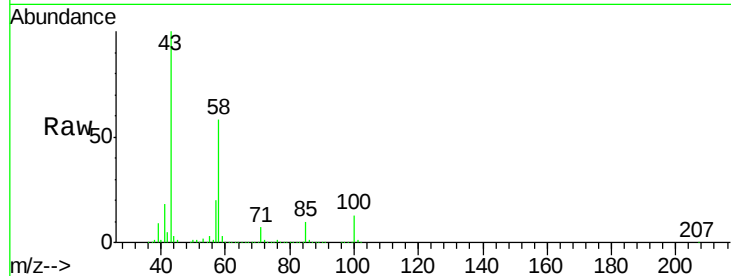
#59
2-Hexanone
Concen: 283.975 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 879793
Ion Ratio Lower Upper
43 100
58 58.3 29.1 87.4

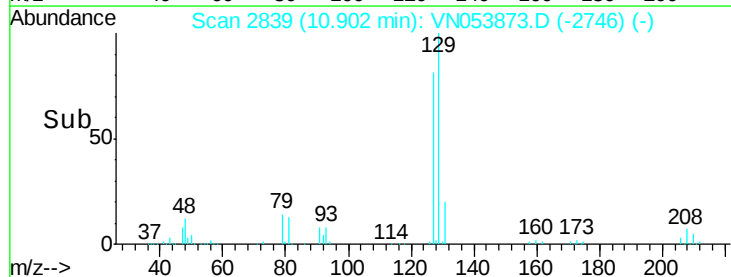
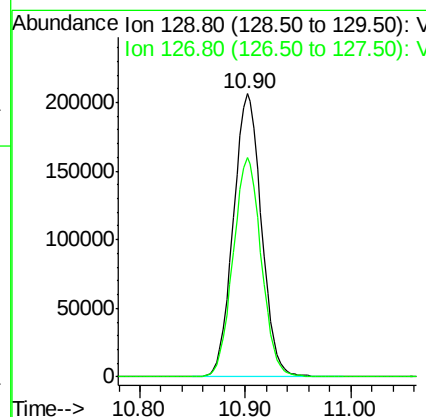
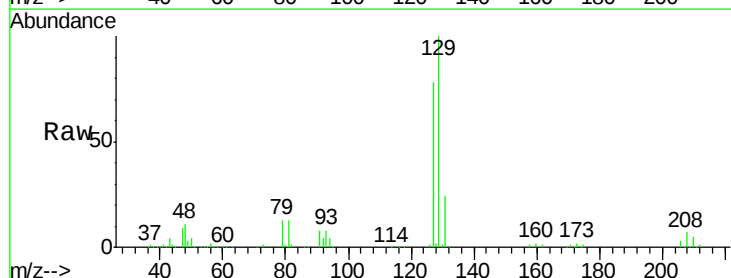
Manual Integrations
APPROVED

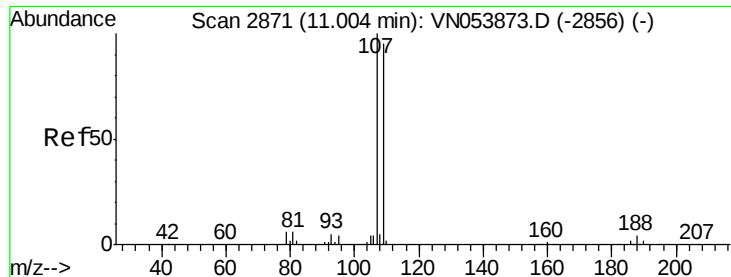
MMDadoda
2/21/2019 10:52:00 AM



#60
Dibromochloromethane
Concen: 55.024 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion: 129 Resp: 380795
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3





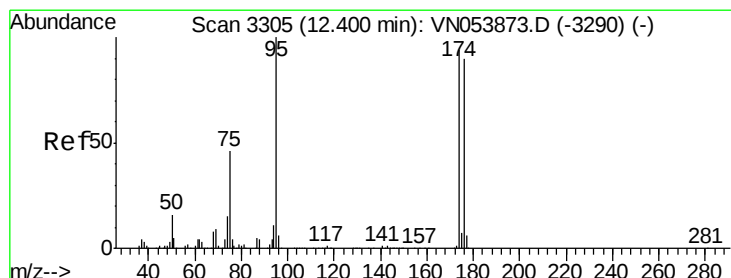
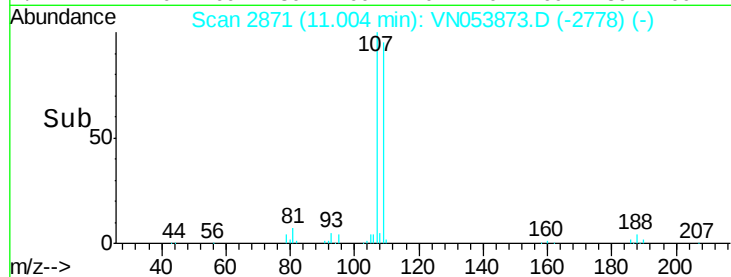
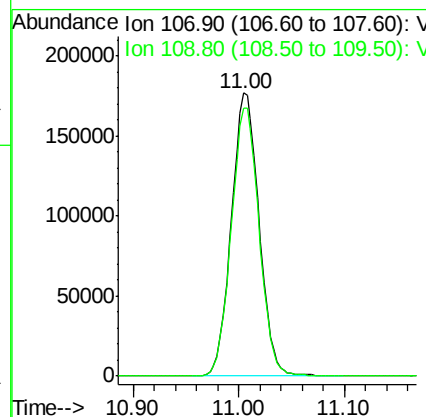
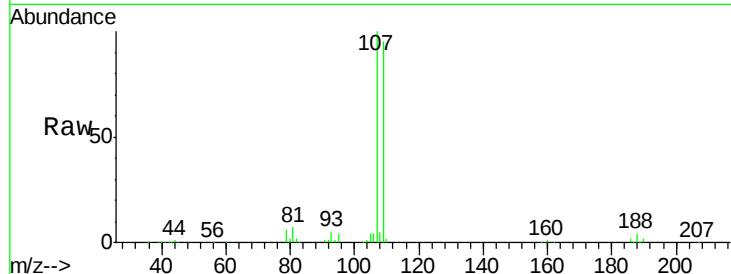
#61
 1,2-Dibromoethane
 Concen: 54.407 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.3	114.5

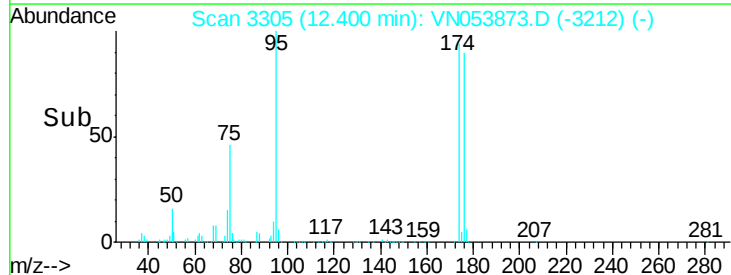
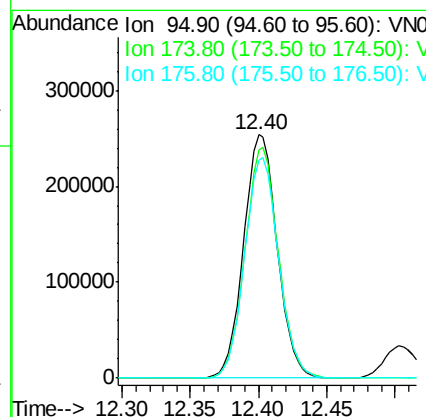
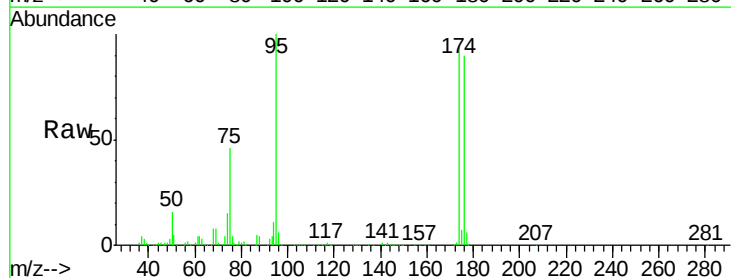
Manual Integrations
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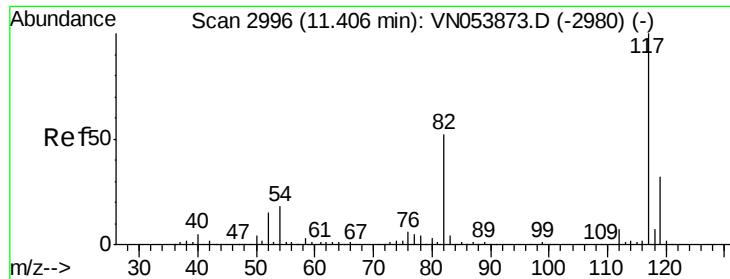
MMDadoda
 2/21/2019 10:52:00 AM



#62
 4-Bromofluorobenzene
 Concen: 54.921 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.4	0.0	188.8
176	91.3	0.0	182.6





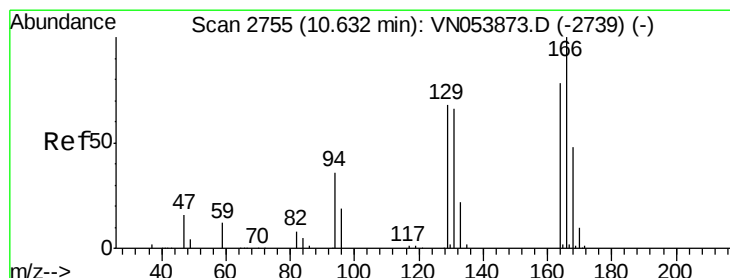
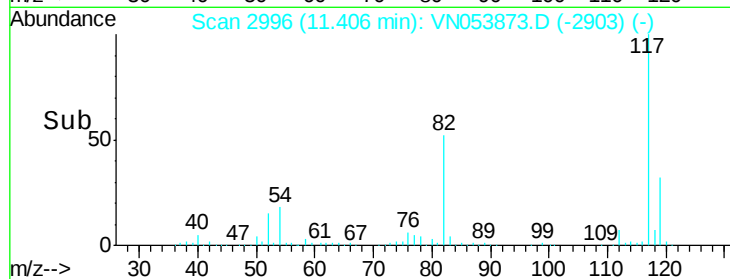
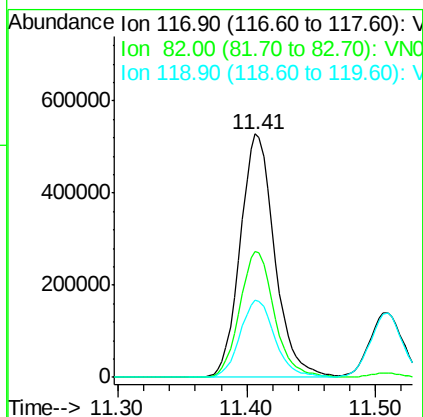
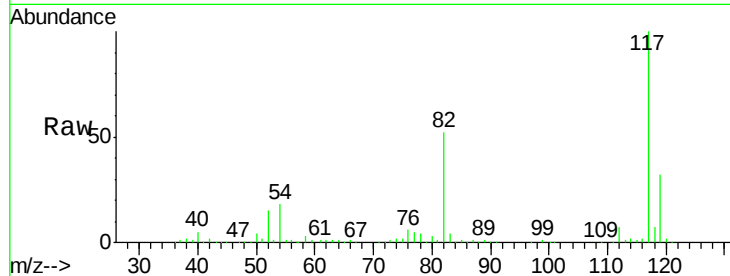
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	982566		
82	51.8		41.4	62.2
119	31.6		25.3	37.9

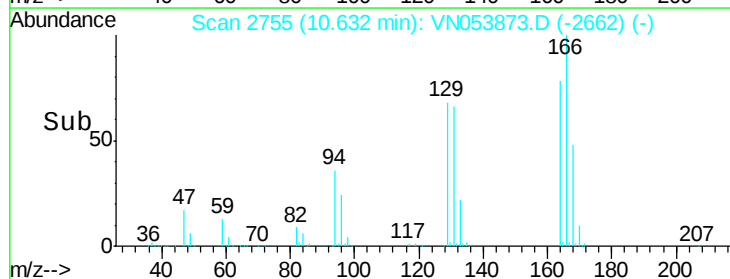
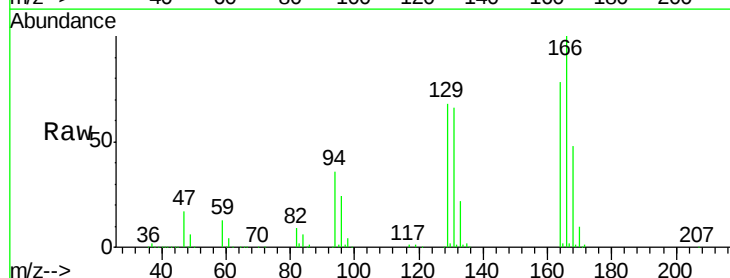
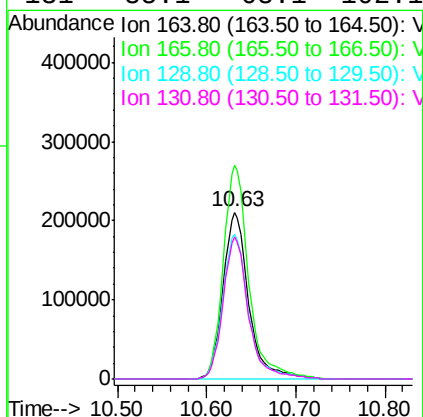
Manual Integrations
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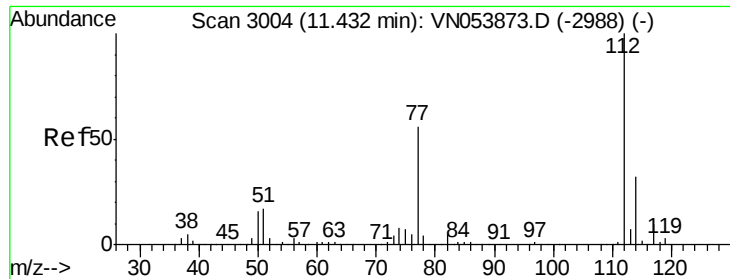
MMDadoda
2/21/2019 10:52:00 AM



#64
Tetrachloroethene
Concen: 47.617 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	418372		
166	128.2		102.6	153.8
129	86.7		69.4	104.0
131	85.1		68.1	102.1





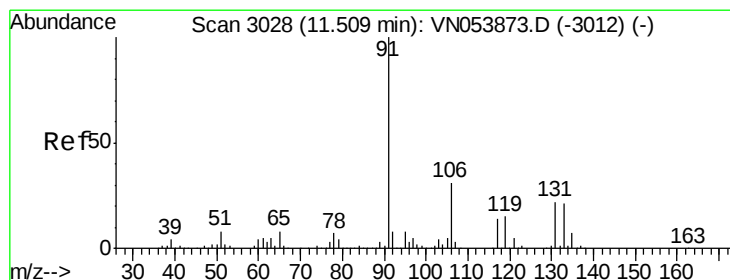
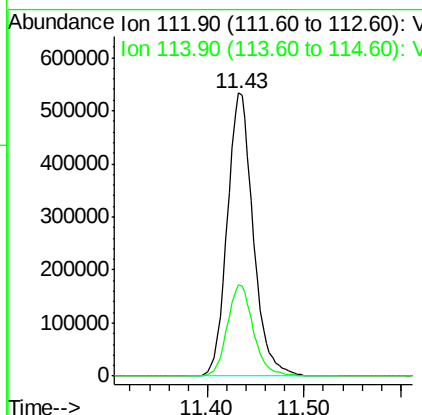
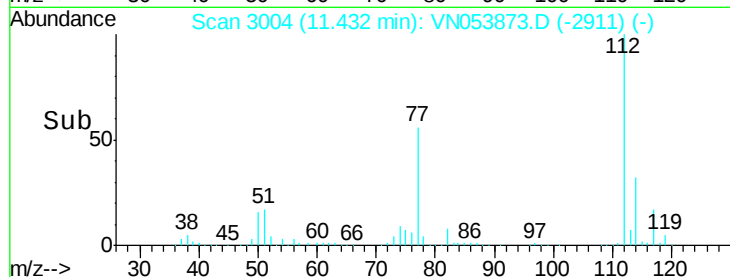
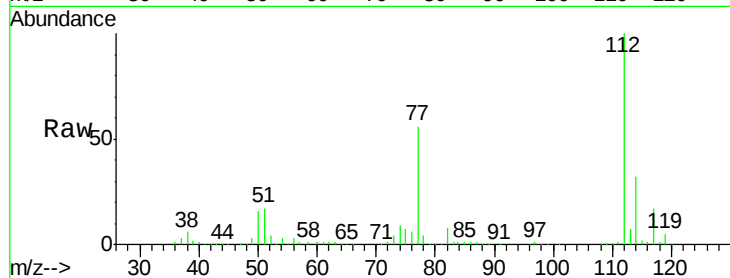
#65
Chlorobenzene
Concen: 48.173 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:112 Resp: 990741
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5

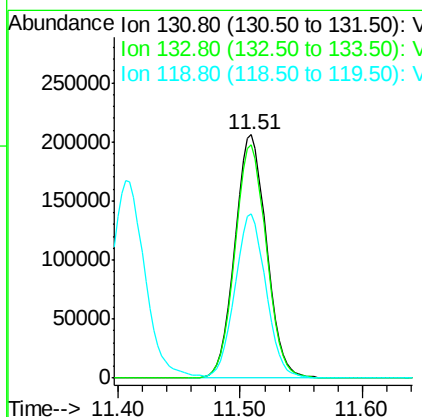
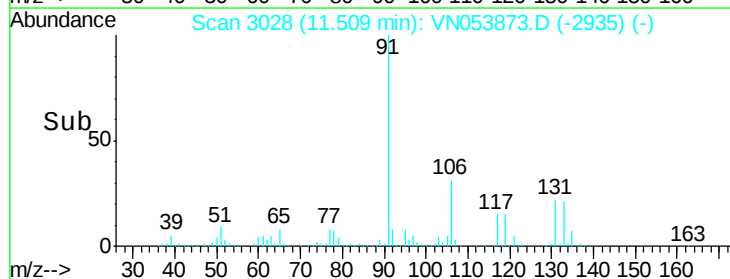
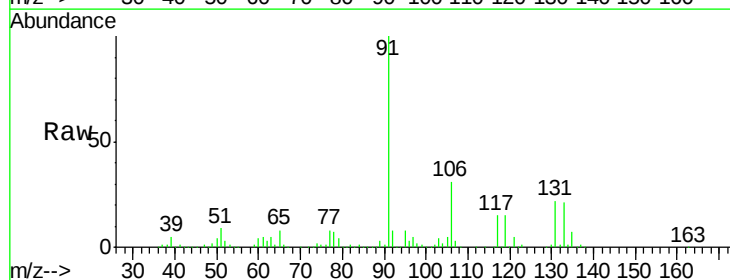
Manual Integrations
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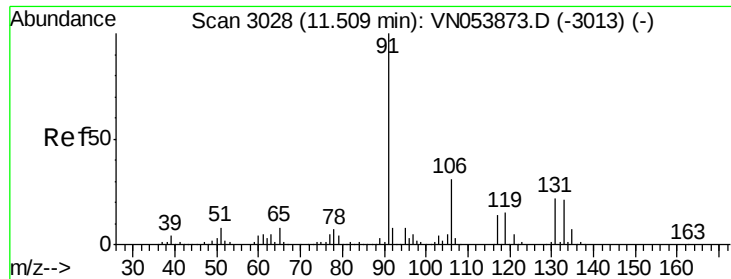
MMDadoda
2/21/2019 10:52:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.231 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion:131 Resp: 369478
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 66.2 33.1 99.3





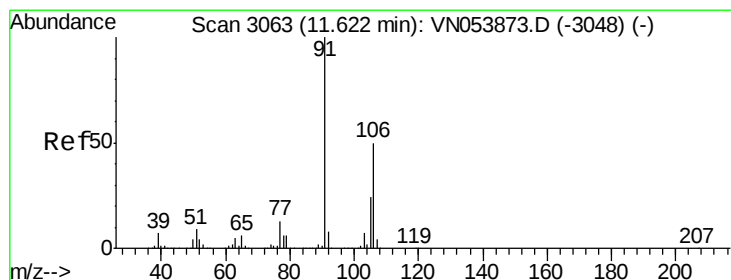
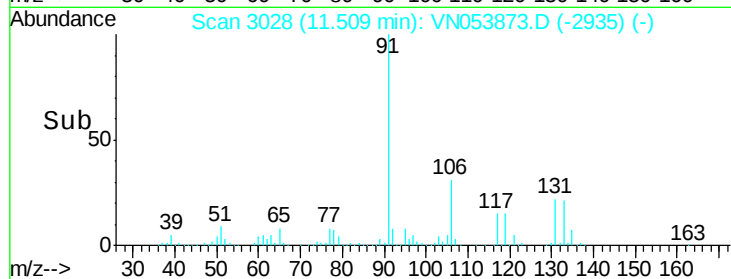
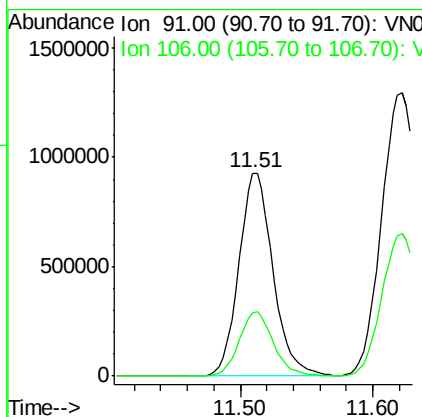
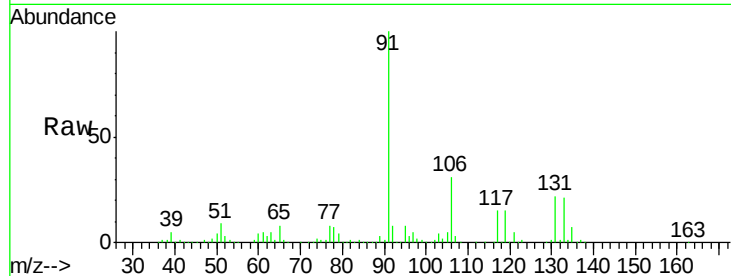
#67
Ethyl Benzene
Concen: 49.828 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1658478
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8

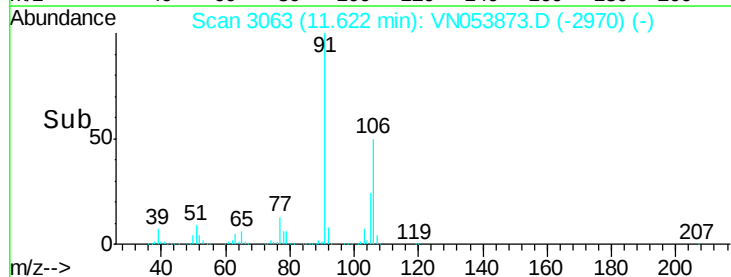
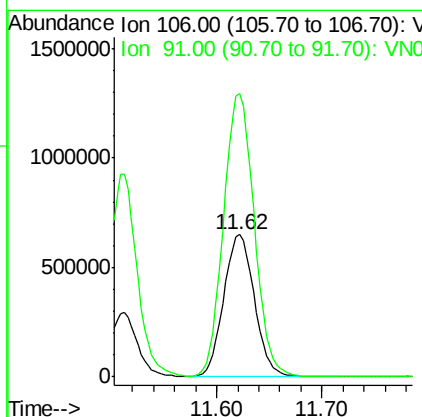
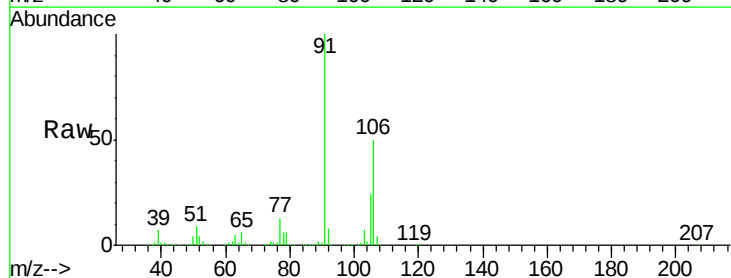
Manual Integrations
APPROVED

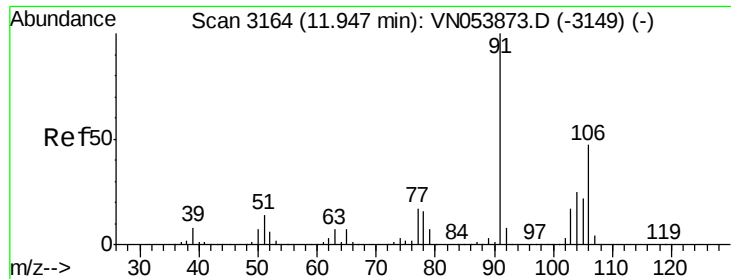
MMDadoda
2/21/2019 10:52:00 AM



#68
m/p-Xylenes
Concen: 101.829 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion: 106 Resp: 1312332
Ion Ratio Lower Upper
106 100
91 198.6 158.9 238.3





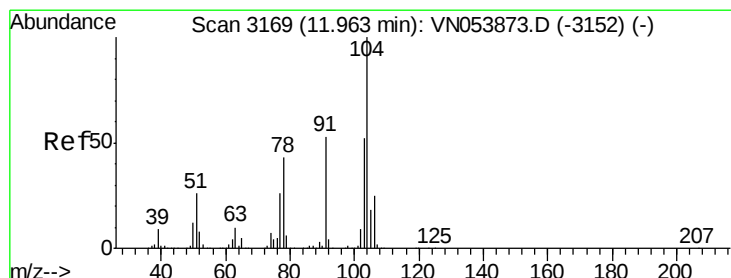
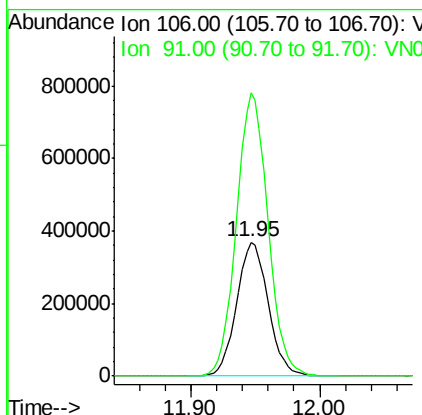
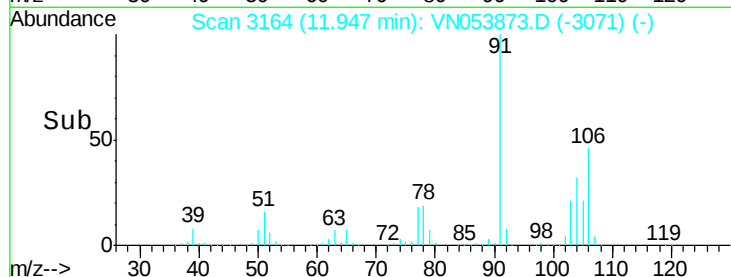
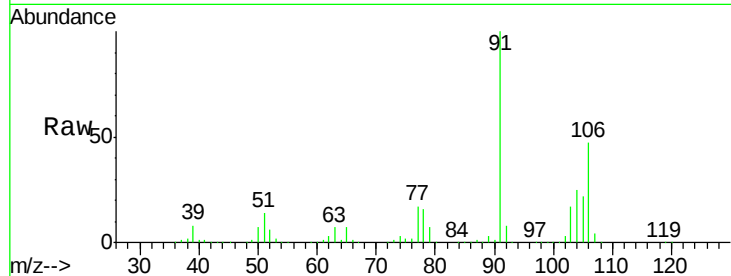
#69
o-Xylene
Concen: 50.512 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 626712
Ion Ratio Lower Upper
106 100
91 212.0 106.0 318.0

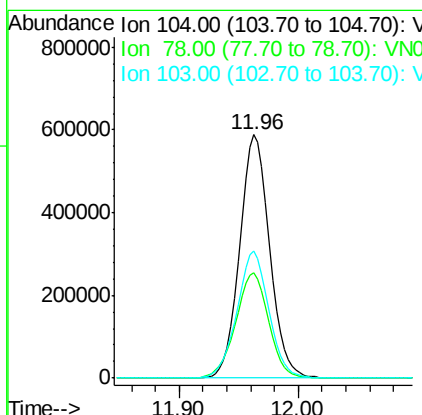
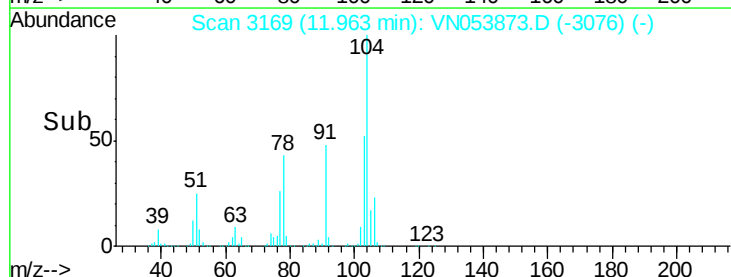
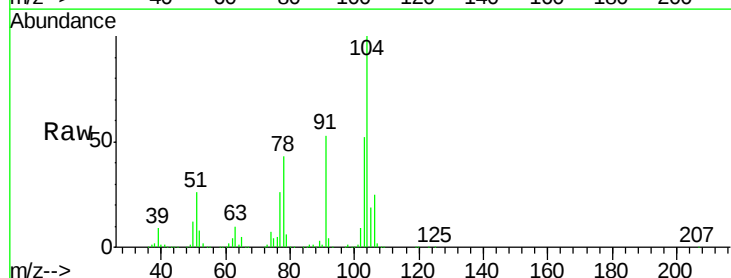
Manual Integrations
APPROVED

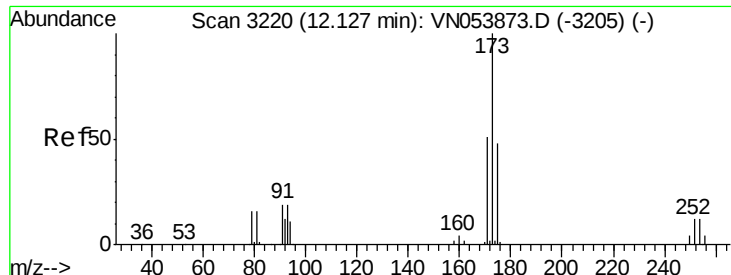
MMDadoda
2/21/2019 10:52:00 AM



#70
Styrene
Concen: 52.670 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion:104 Resp: 1025475
Ion Ratio Lower Upper
104 100
78 47.6 38.1 57.1
103 55.8 44.6 67.0





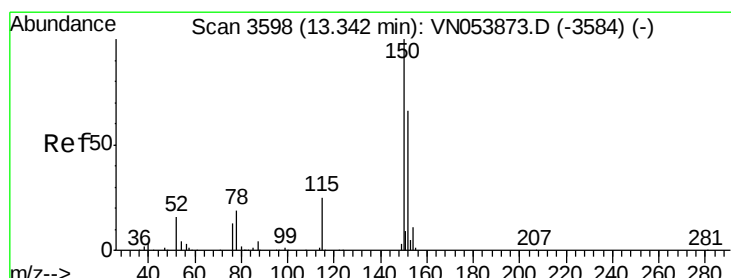
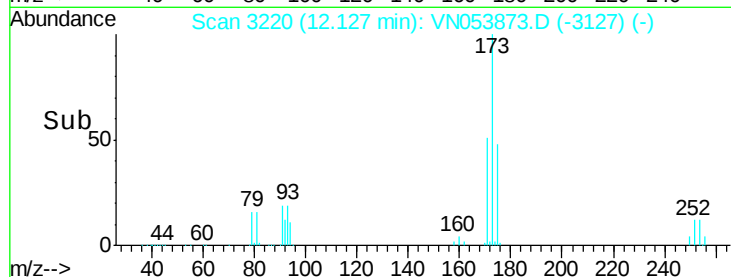
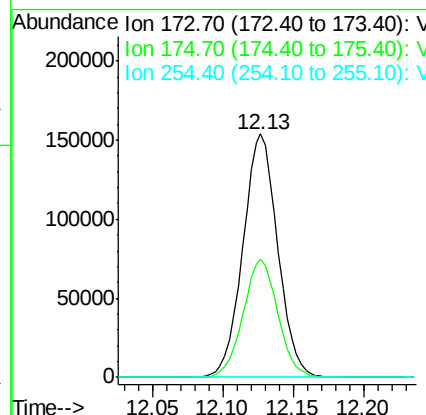
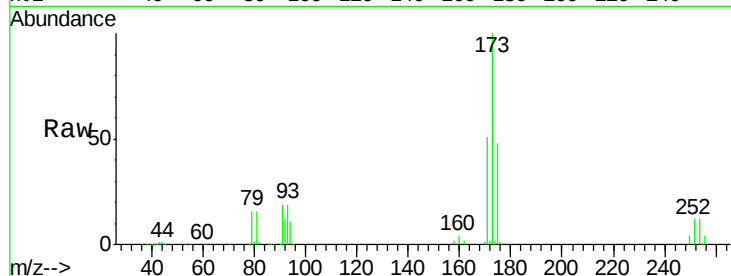
#71
Bromoform
Concen: 49.768 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.2	0.2	0.2

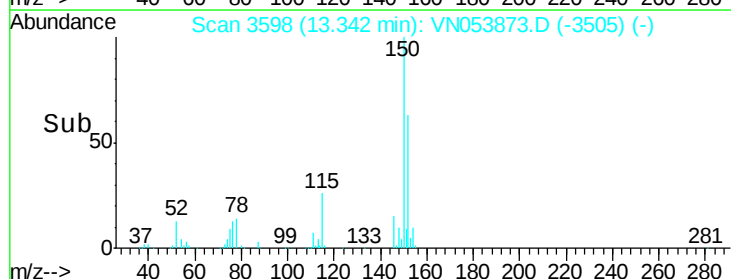
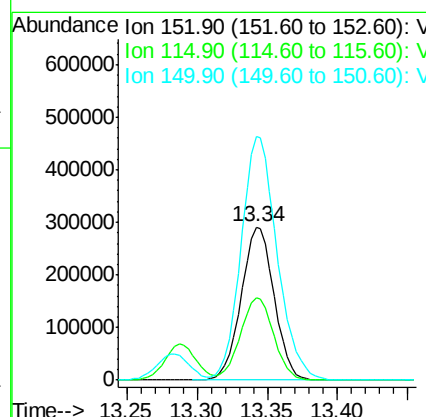
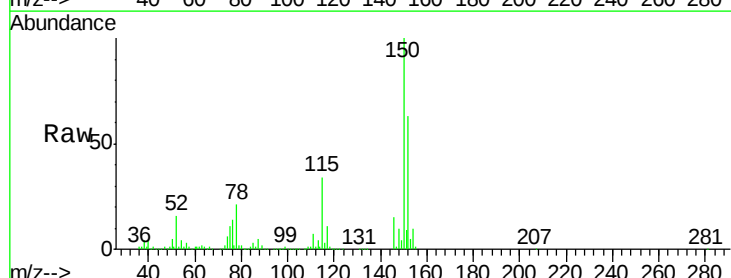
Manual Integrations
APPROVED

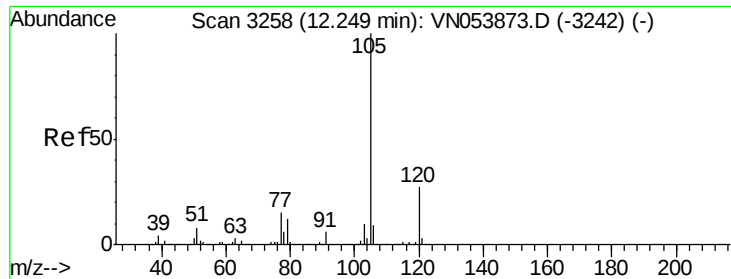
MMDadoda
2/21/2019 10:52:00 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.2	81.6
150	174.1	0.0	348.2





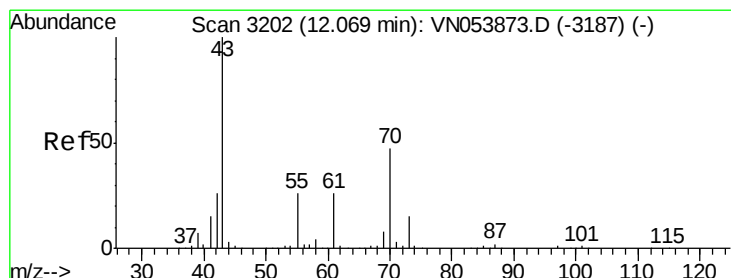
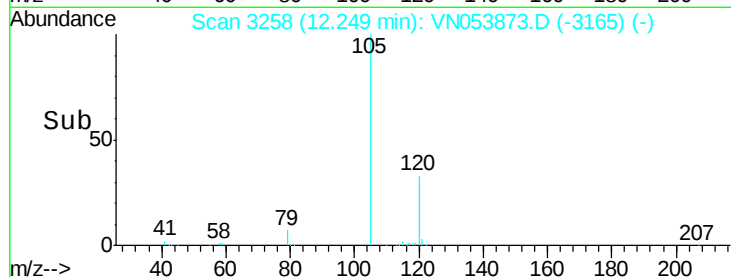
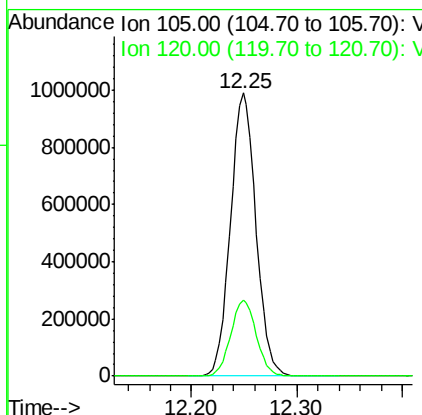
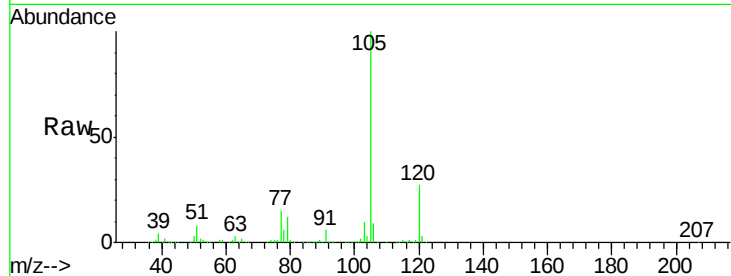
#73
Isopropylbenzene
Concen: 49.193 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 105 Resp: 1644685
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.5

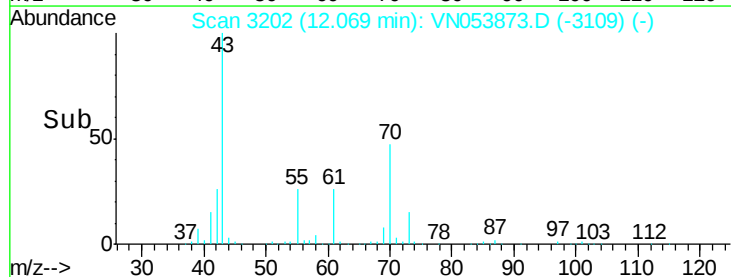
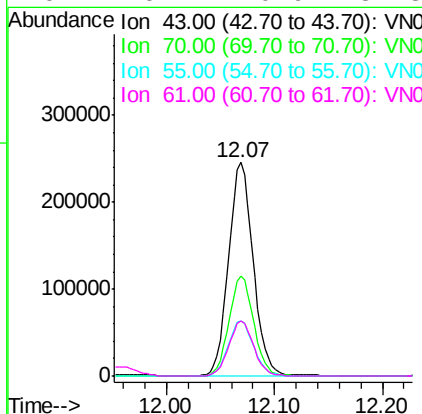
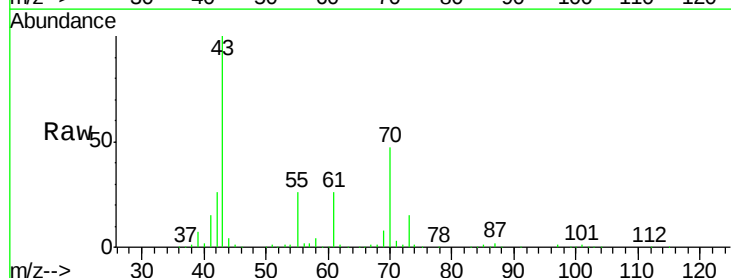
Manual Integrations
APPROVED

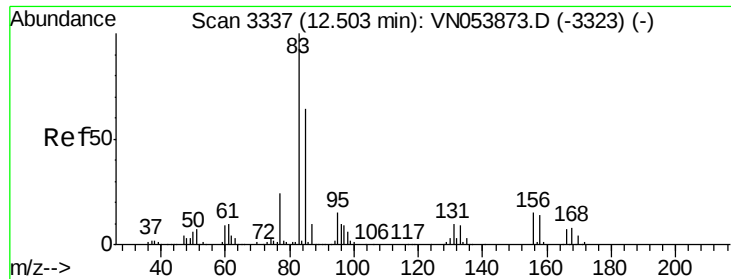
MMDadoda
2/21/2019 10:52:00 AM



#74
N-ethyl acetate
Concen: 50.986 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion: 43 Resp: 391459
Ion Ratio Lower Upper
43 100
70 46.8 37.4 56.2
55 26.7 21.4 32.0
61 26.1 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 48.267 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 381528
Ion Ratio Lower Upper

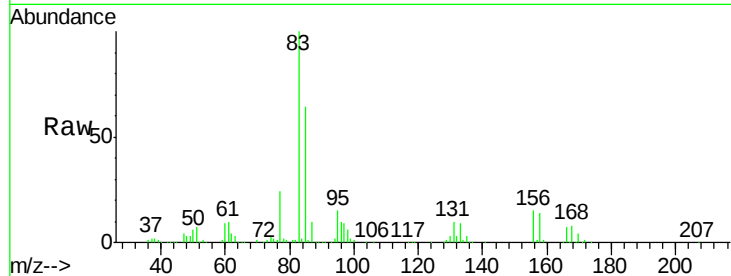
83 100

131 10.7 5.3 16.1

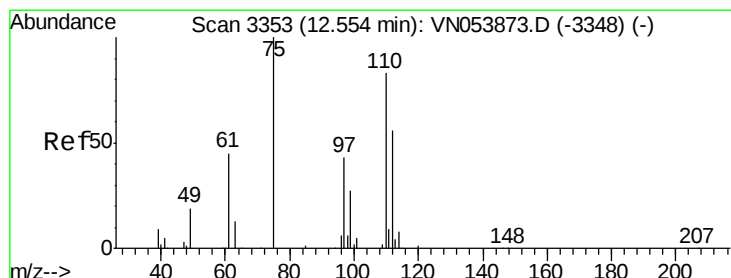
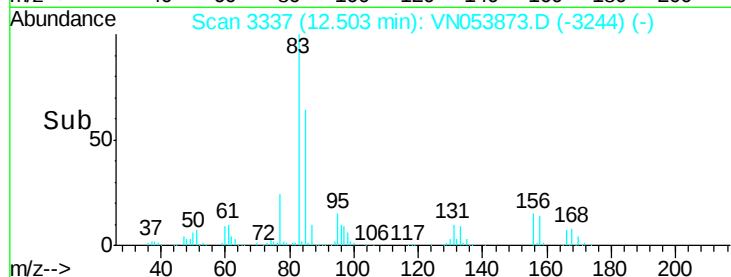
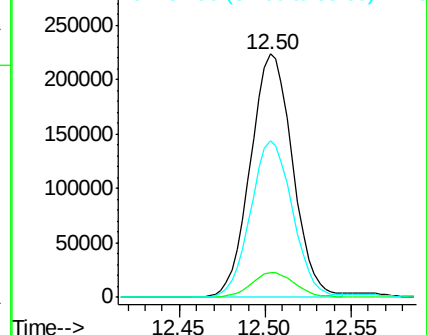
85 63.9 31.9 95.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 54.066 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

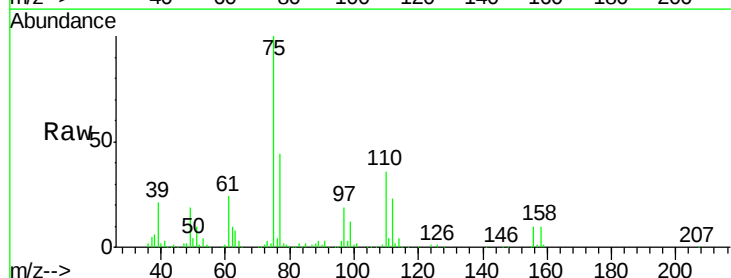
Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

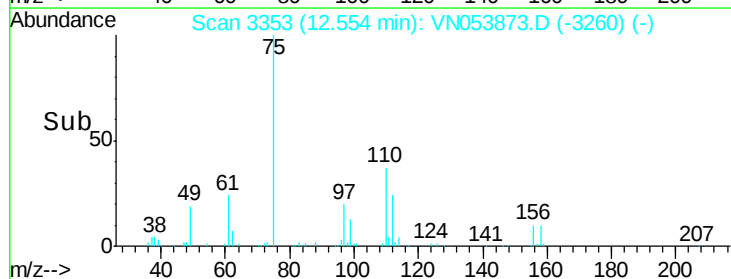
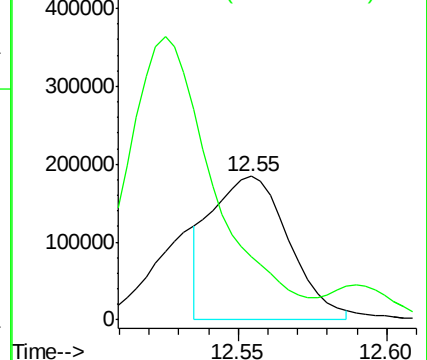
Tgt Ion: 75 Resp: 335192
Ion Ratio Lower Upper

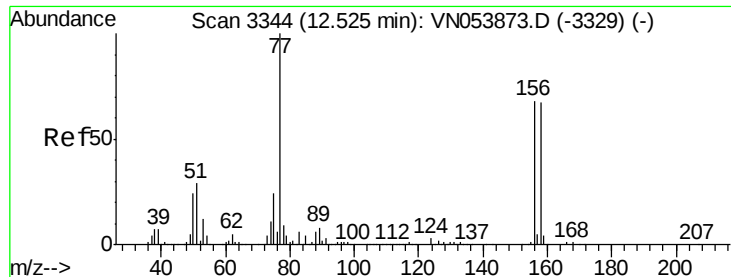
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 49.286 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Instrument :

MSVOA_N

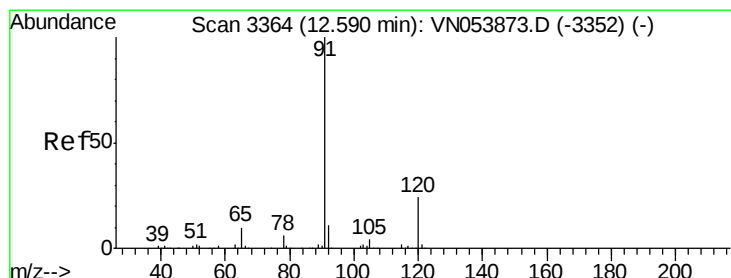
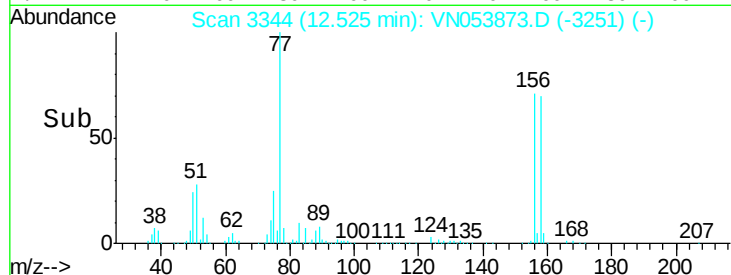
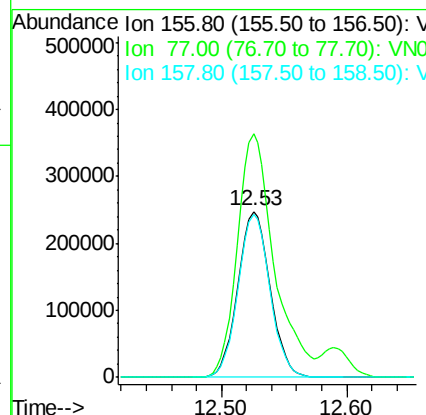
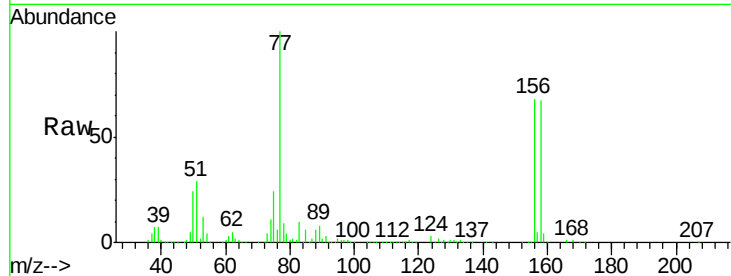
ClientSampled :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	168.1	84.0	252.2
158	97.1	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 50.965 ug/l

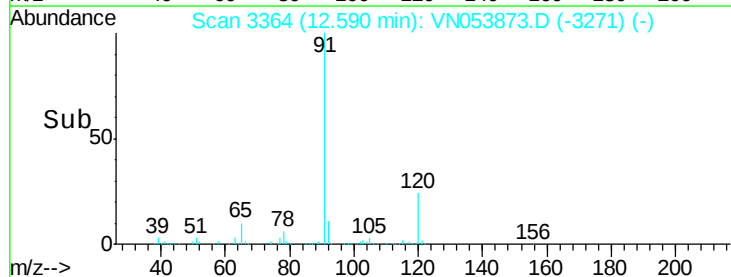
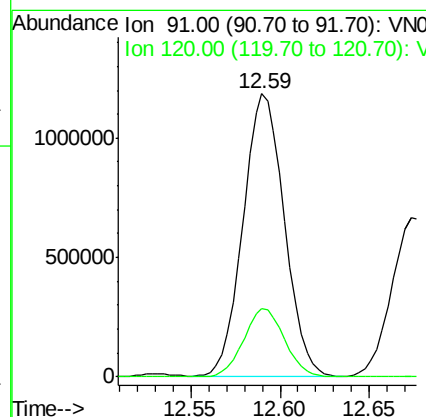
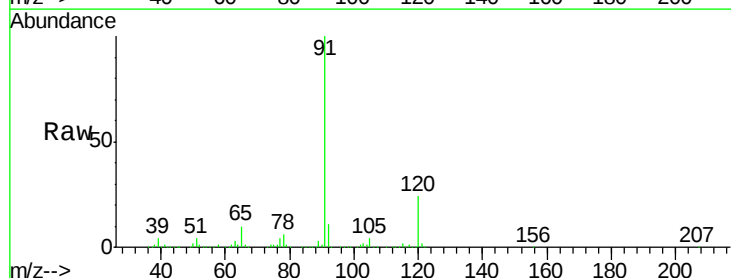
RT: 12.59 min Scan# 3364

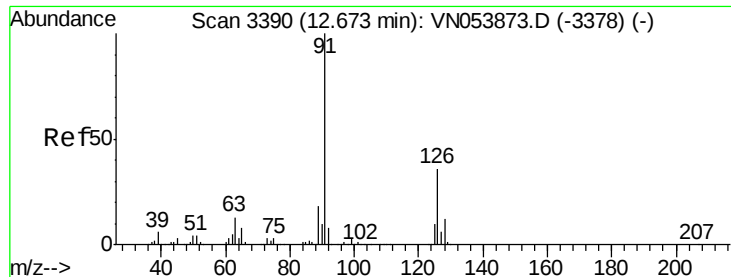
Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.9





#79

2-Chlorotoluene

Concen: 49.505 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1116002

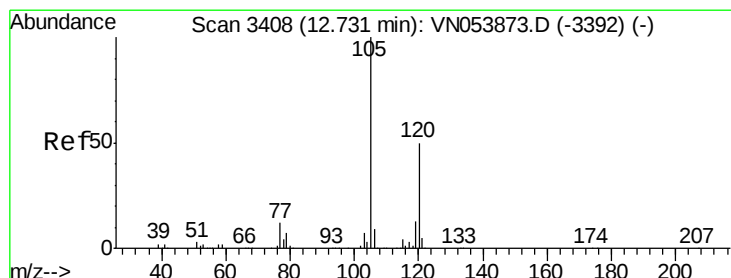
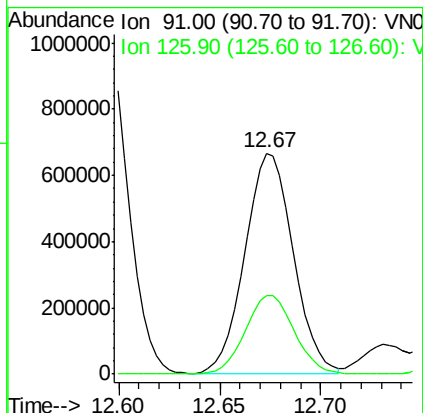
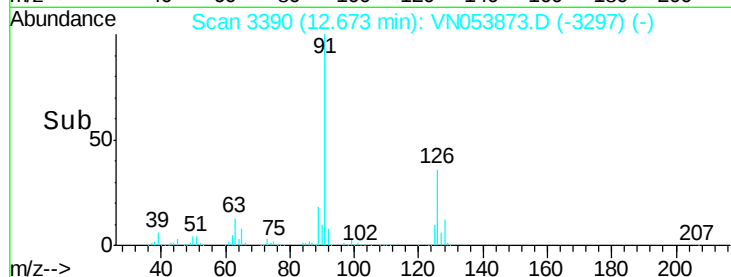
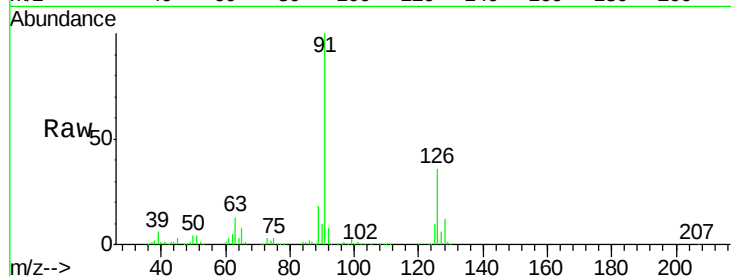
Ion Ratio Lower Upper

91 100

126 36.3 18.1 54.4

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 50.837 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053873.D

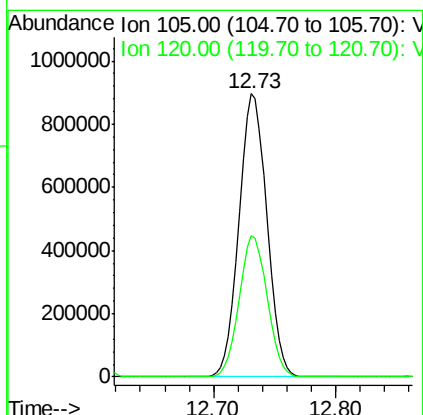
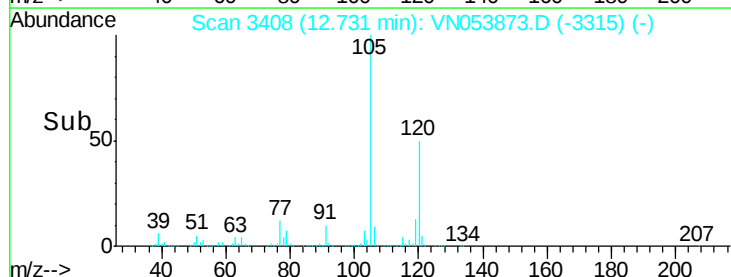
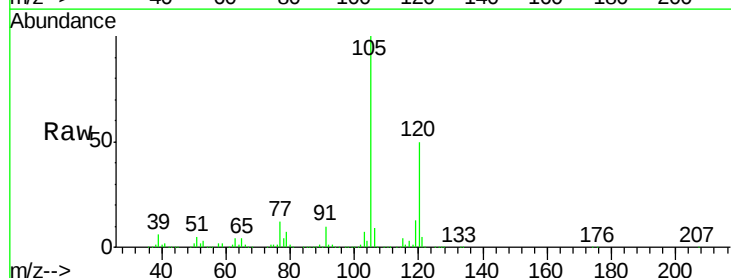
Acq: 20 Feb 2019 9:51

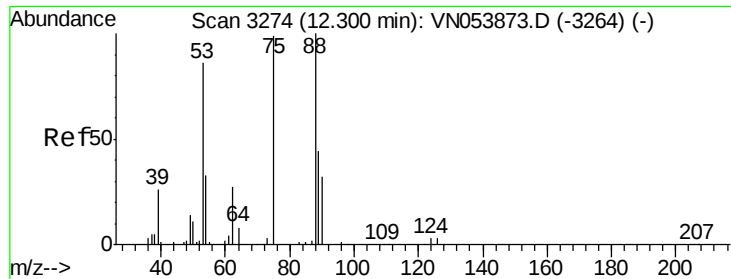
Tgt Ion: 105 Resp: 1410840

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 50.554 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053873.D

Acq: 20 Feb 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 106688

Ion Ratio Lower Upper

75 100

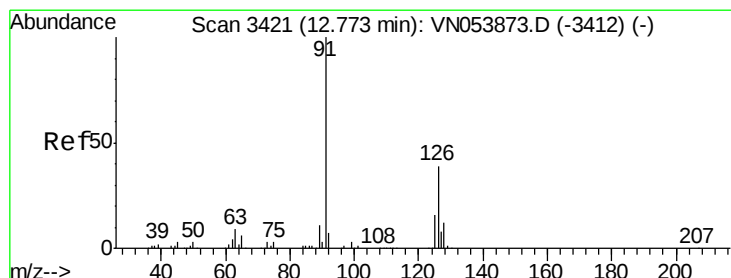
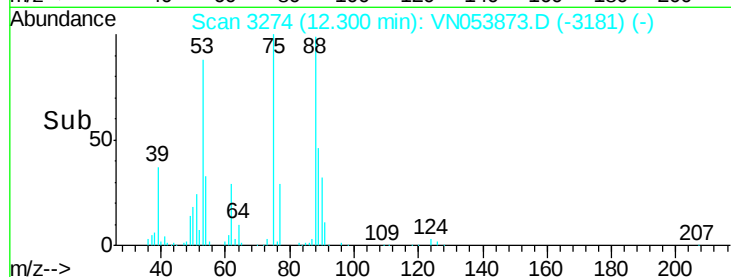
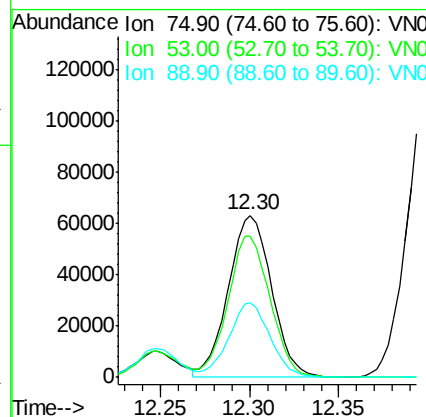
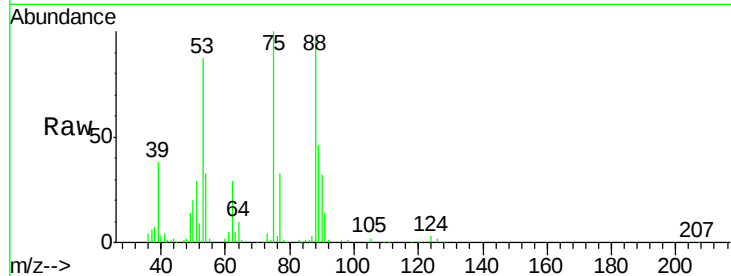
53 85.7 68.6 102.8

89 44.1 35.3 52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.614 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053873.D

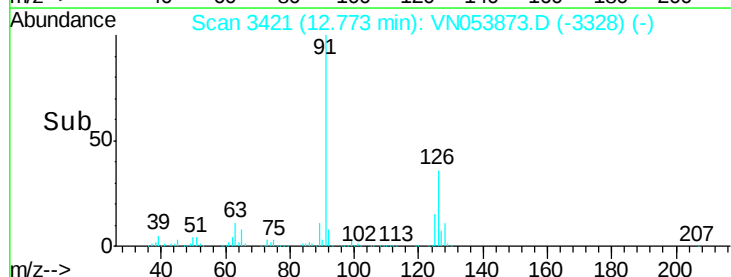
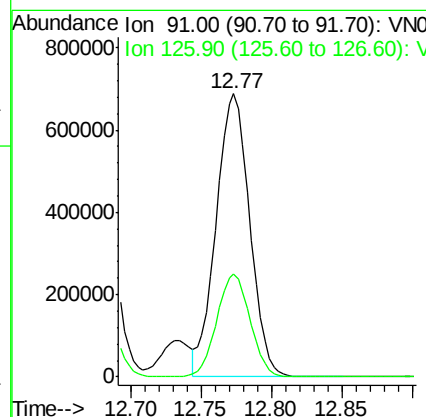
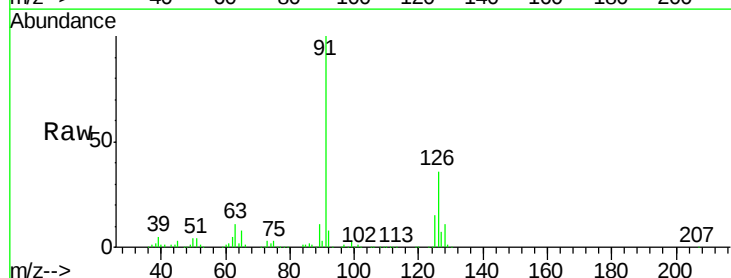
Acq: 20 Feb 2019 9:51

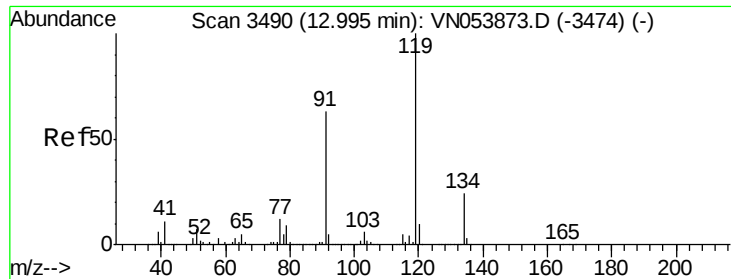
Tgt Ion: 91 Resp: 1136716

Ion Ratio Lower Upper

91 100

126 36.0 18.0 54.0





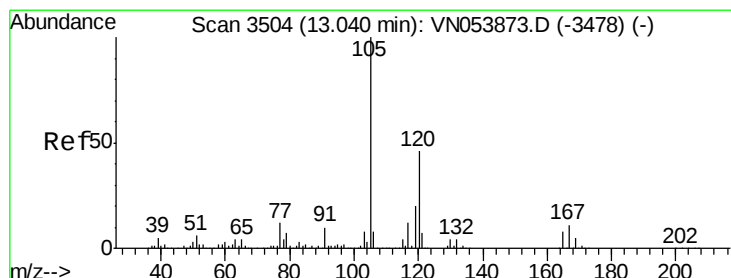
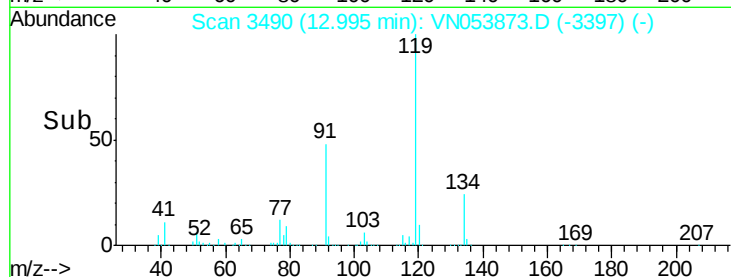
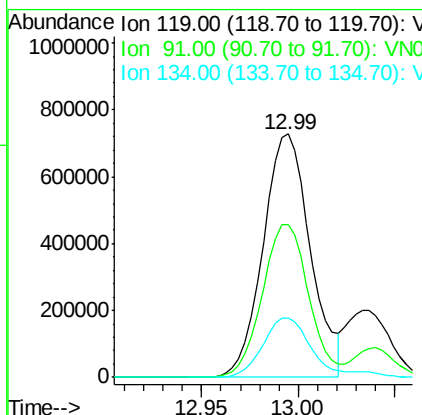
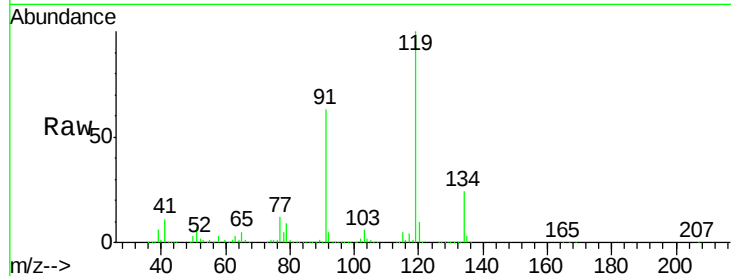
#83
 tert-Butylbenzene
 Concen: 49.881 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.6	91.8
134	26.0	13.0	39.0

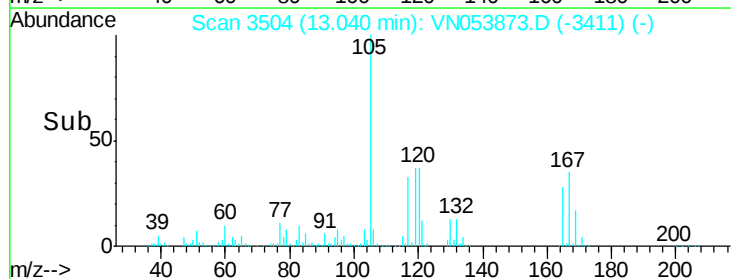
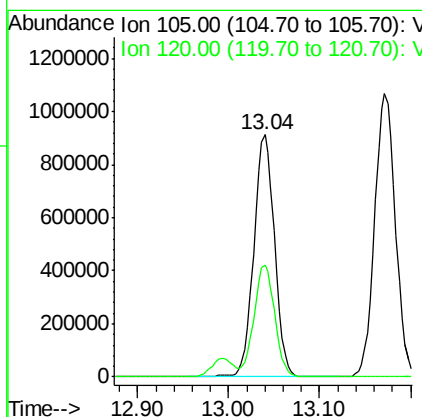
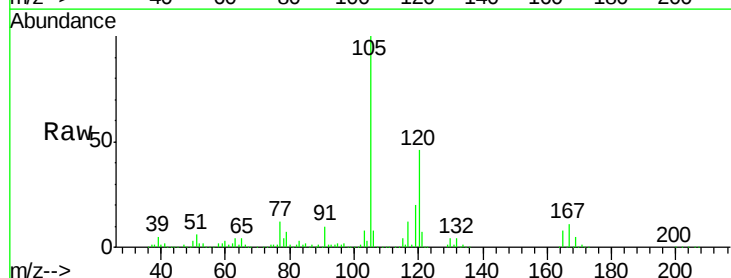
Manual Integrations
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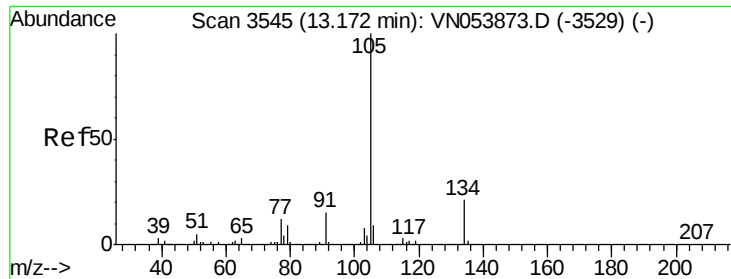
MMDadoda
 2/21/2019 10:52:00 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.576 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.2	69.5





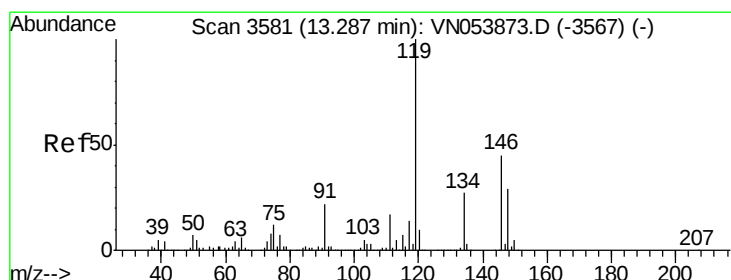
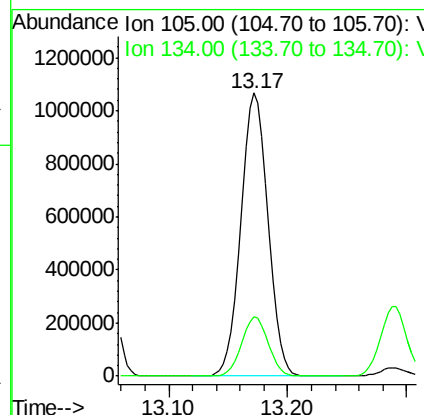
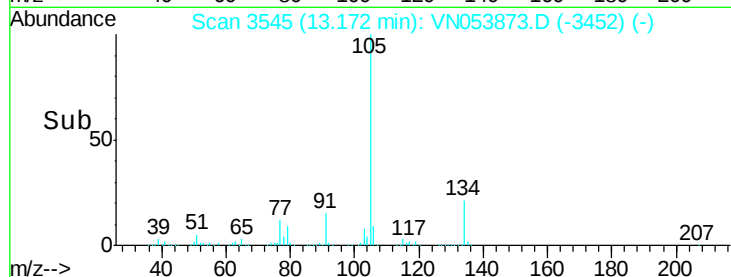
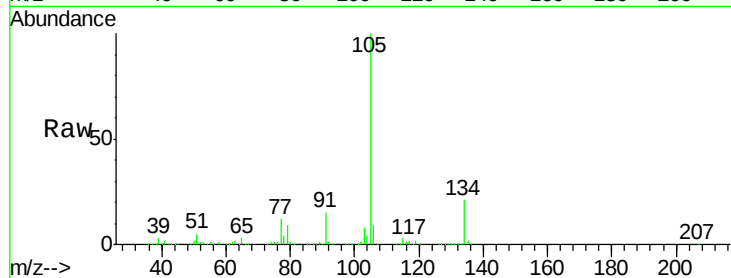
#85
 sec-Butylbenzene
 Concen: 50.048 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1679234
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.1

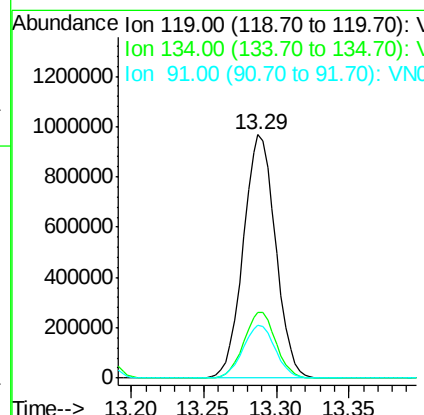
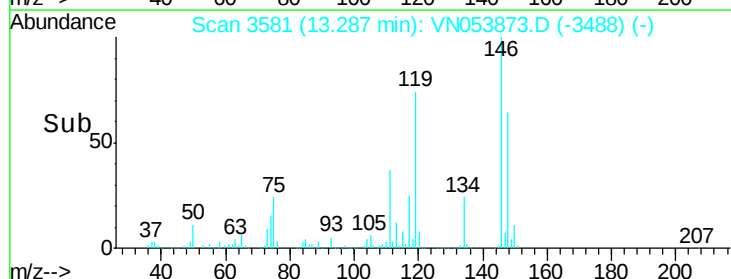
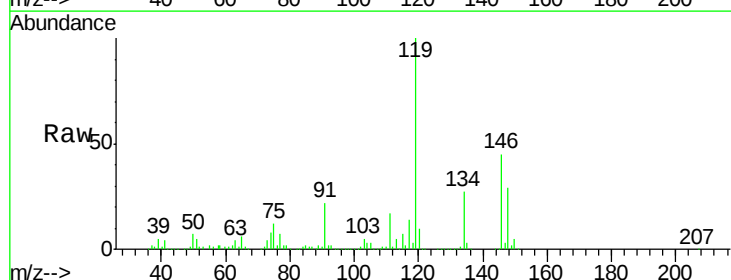
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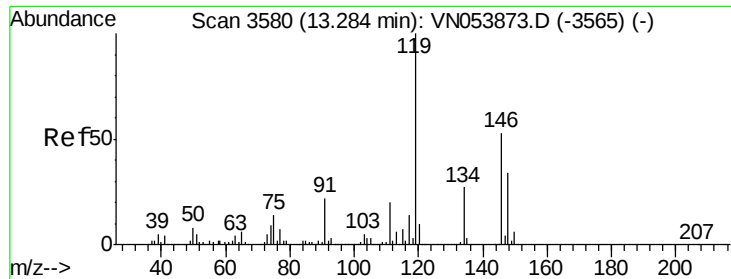
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 2/21/2019 10:52:00 AM



#86
 p-Isopropyltoluene
 Concen: 51.134 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Tgt Ion:119 Resp: 1489004
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.4
 91 21.7 10.9 32.6





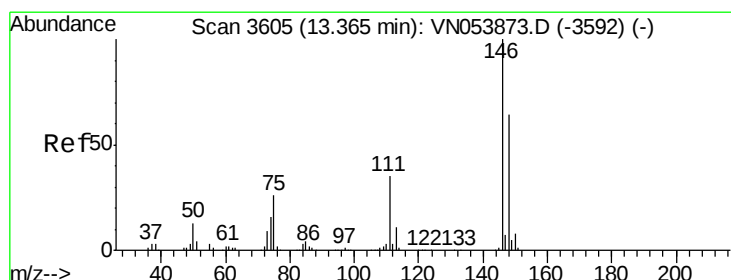
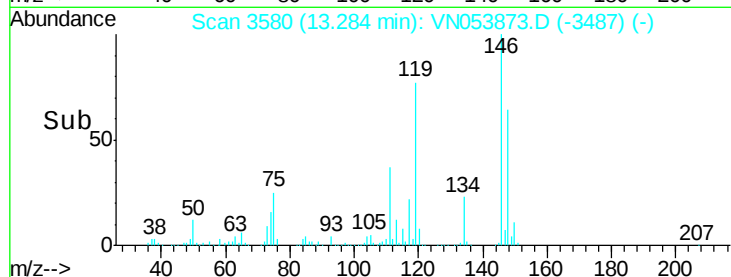
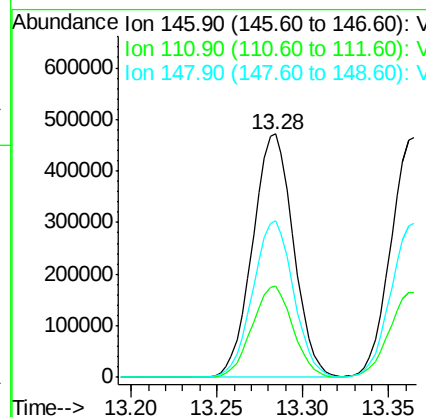
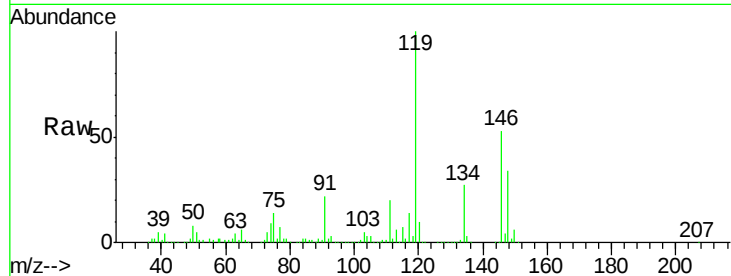
#87
 1,3-Dichlorobenzene
 Concen: 49.562 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.1	32.0	96.2

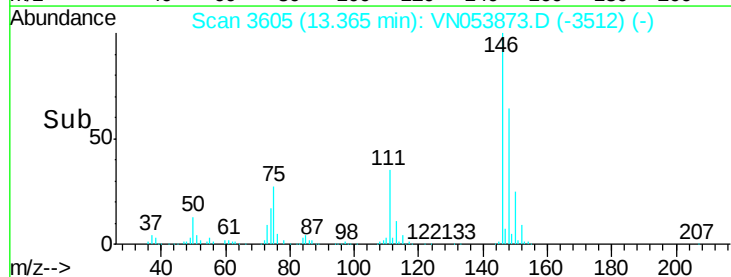
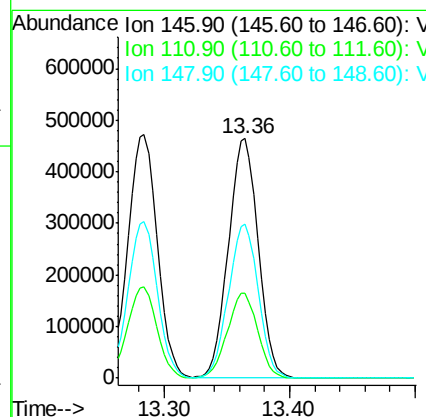
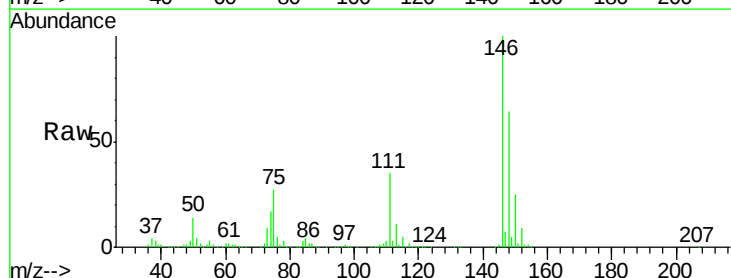
Manual Integrations
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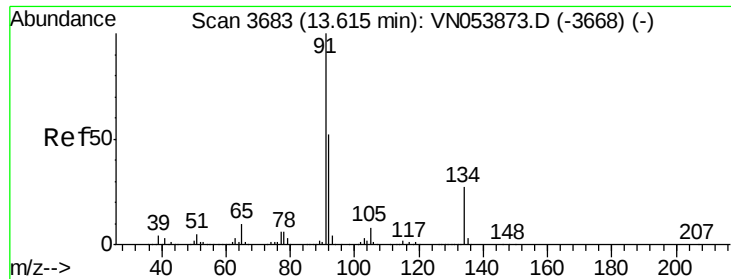
MMDadoda
 2/21/2019 10:52:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.480 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.0	54.0
148	64.3	32.1	96.5





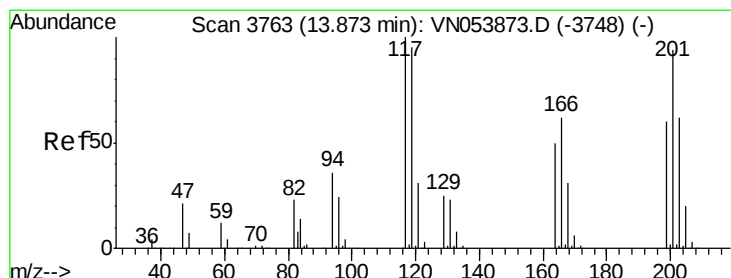
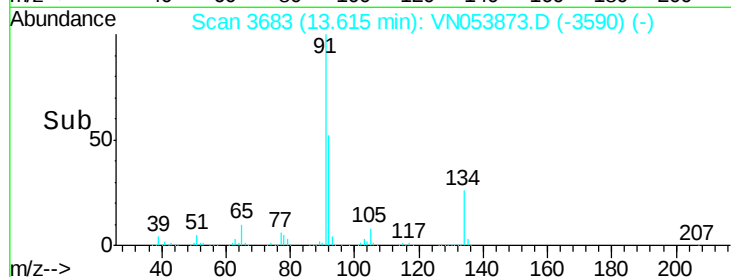
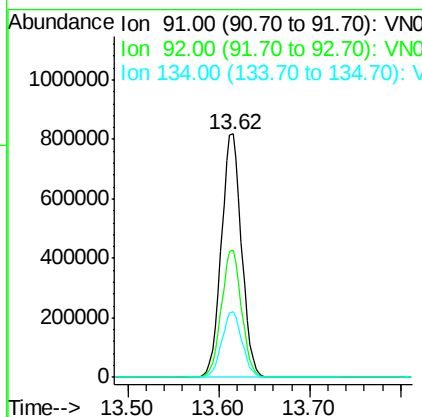
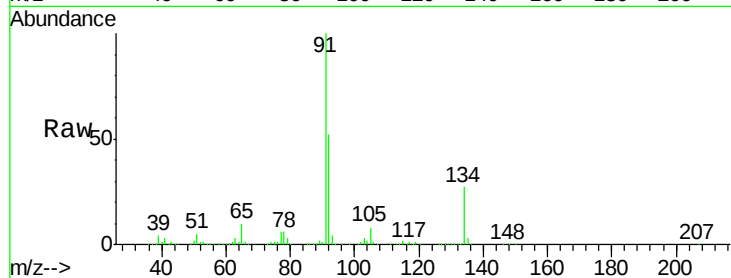
#89
n-Butylbenzene
Concen: 52.481 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1256693
Ion Ratio Lower Upper
91 100
92 52.1 26.1 78.2
134 27.2 13.6 40.8

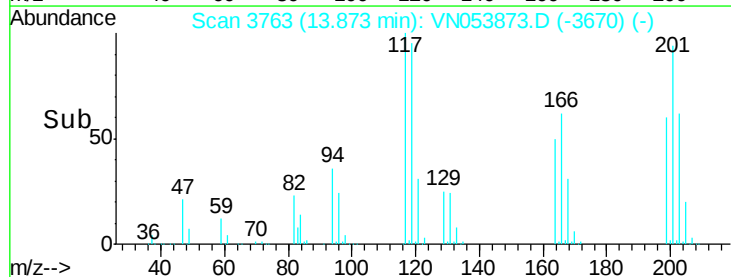
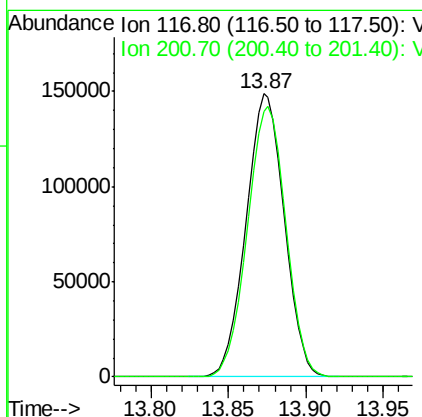
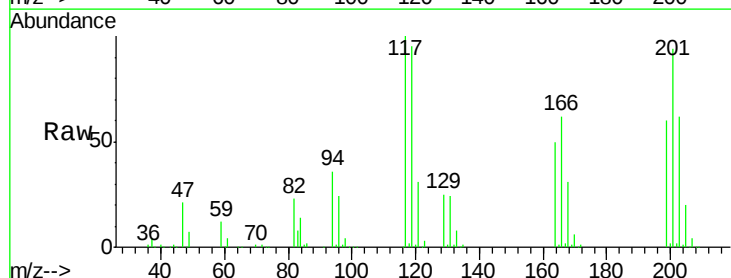
Manual Integrations
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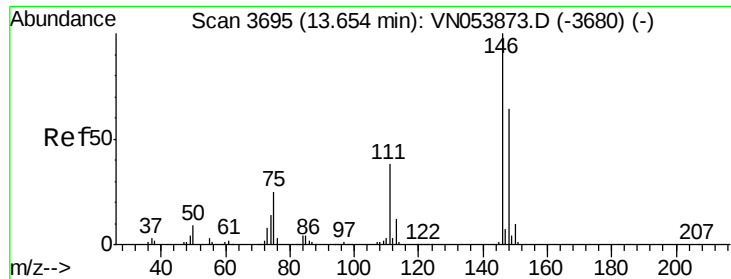
MMDadoda
2/21/2019 10:52:00 AM



#90
Hexachloroethane
Concen: 46.042 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion: 117 Resp: 256132
Ion Ratio Lower Upper
117 100
201 96.1 48.0 144.2





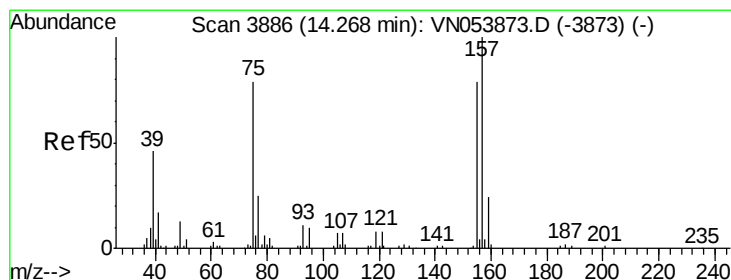
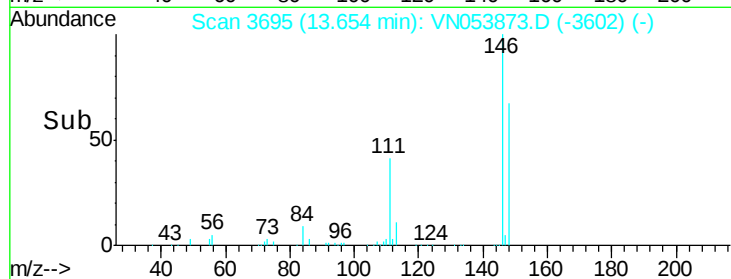
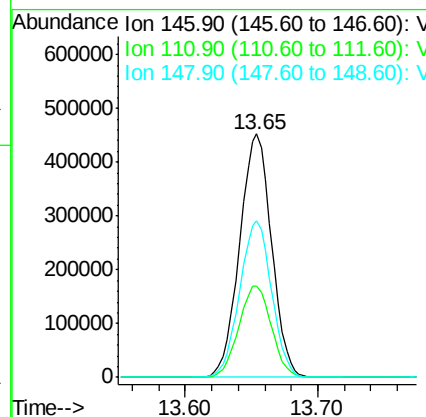
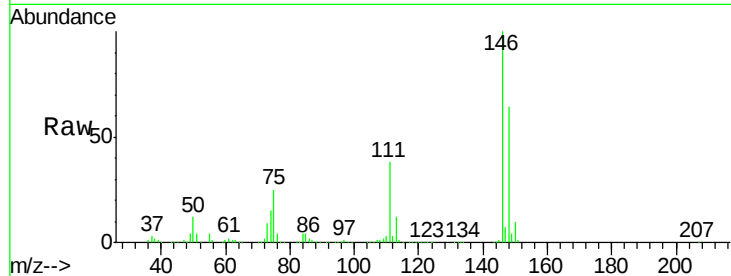
#91
 1,2-Dichlorobenzene
 Concen: 49.199 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	755446		
111	38.3	19.1	57.5	
148	64.3	32.1	96.5	

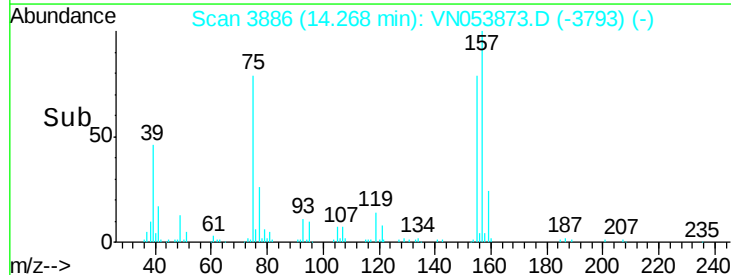
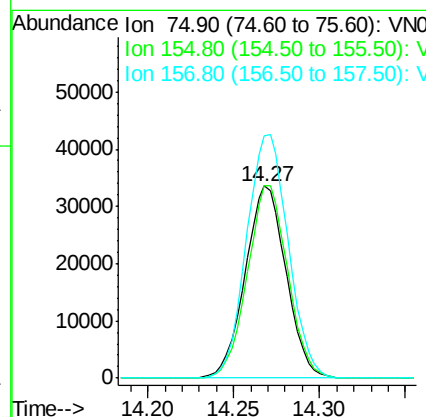
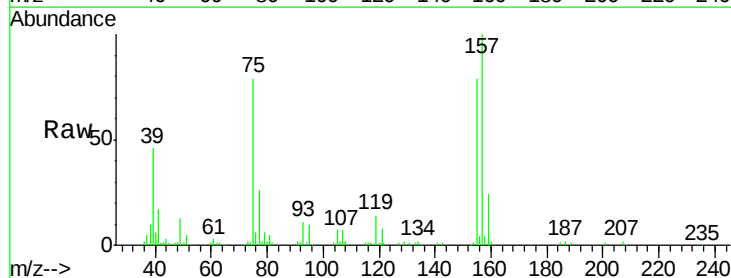
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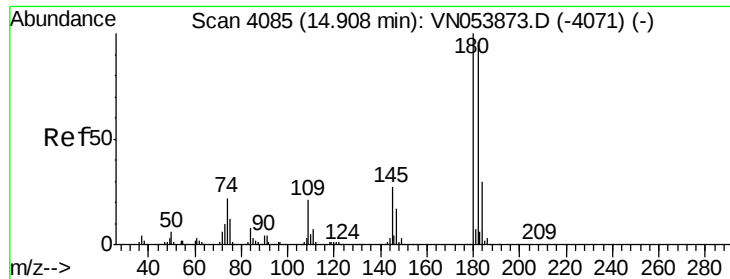
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.900 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	55250		
155	99.0	49.5	148.5	
157	129.7	64.8	194.6	





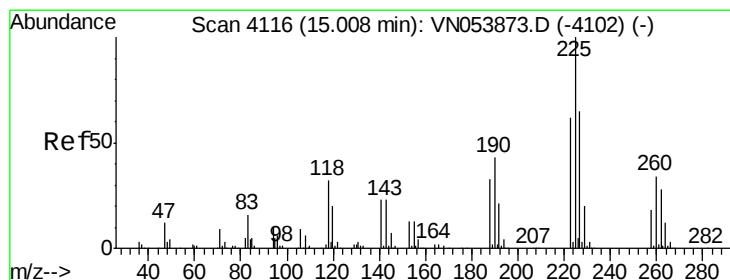
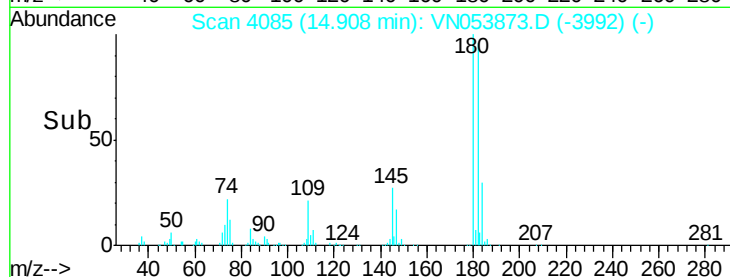
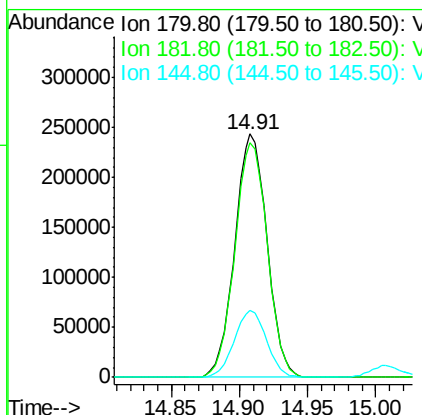
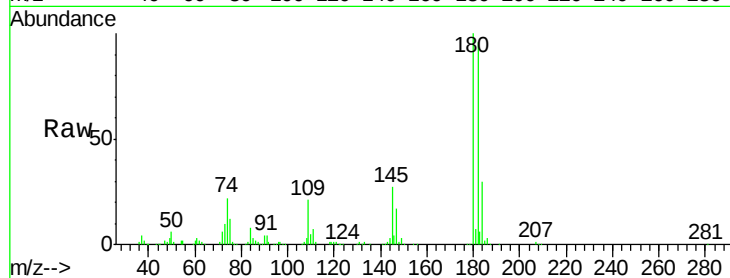
#93
 1,2,4-Trichlorobenzene
 Concen: 50.600 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	398694		
182	97.3	48.6	145.9	
145	27.5	13.8	41.3	

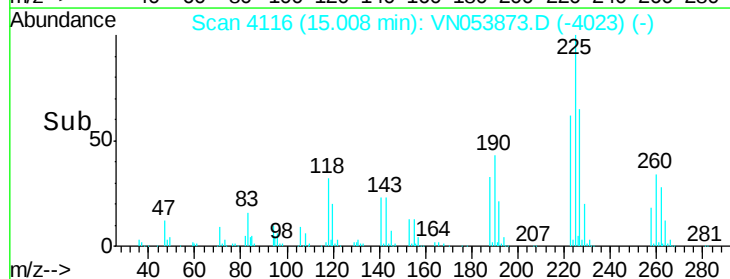
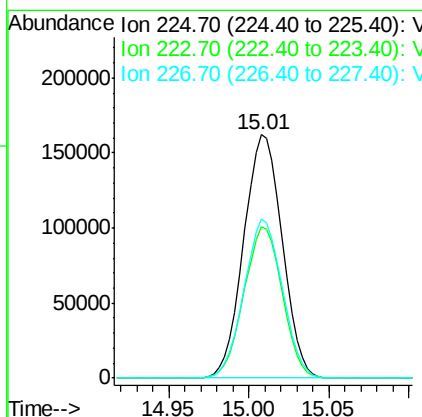
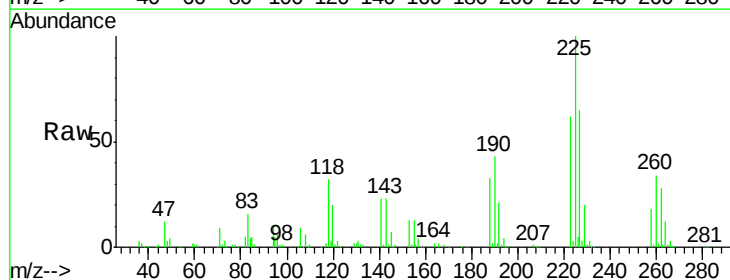
Manual Integrations
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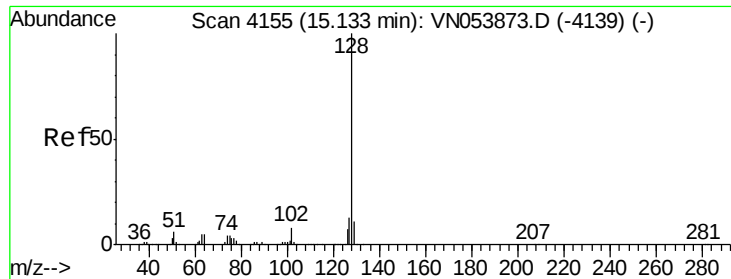
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 2/21/2019 10:52:00 AM



#94
 Hexachlorobutadiene
 Concen: 41.806 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN053873.D
 Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	267702		
223	61.7	30.9	92.5	
227	64.9	32.5	97.4	





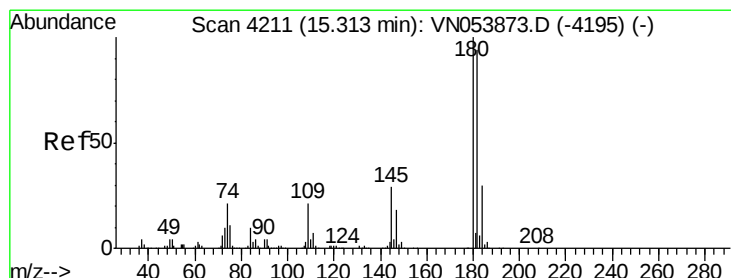
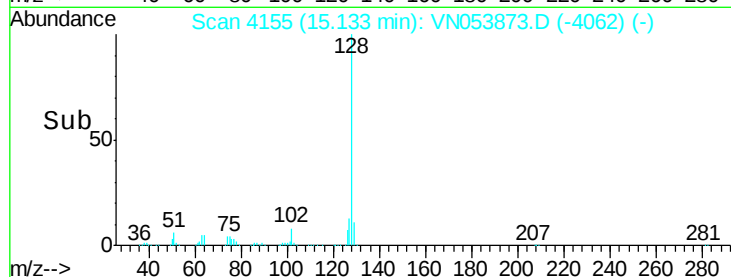
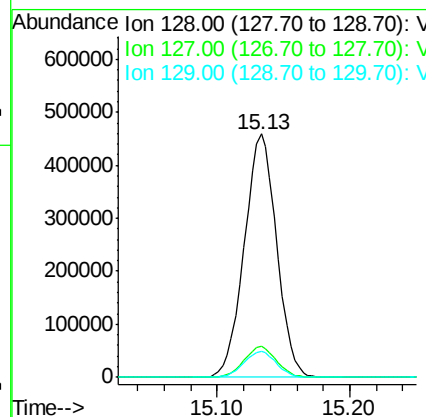
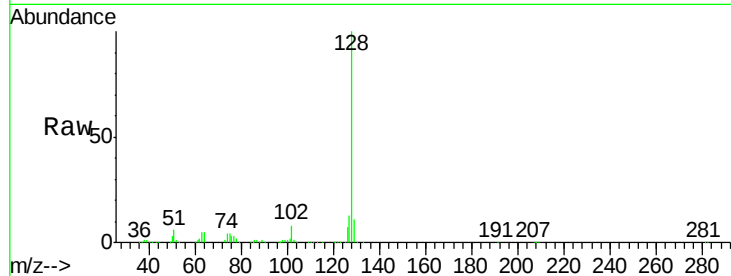
#95
Naphthalene
Concen: 52.723 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.235 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053873.D
Acq: 20 Feb 2019 9:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	28.7	14.4	43.0

