

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056853.D
 Acq On : 22 Jul 2019 13:10
 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
 7/25/2019 3:01:18 PM

Quant Time: Jul 23 01:26:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:05:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	346584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	524963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	479037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	213438	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	183144	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
35) Dibromofluoromethane	7.59	113	165760	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.09	98	639065	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.40	95	213926	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	223064	63.958	ug/l 100
3) Chloromethane	2.06	50	255089	56.100	ug/l 100
4) Vinyl Chloride	2.18	62	239222	55.029	ug/l 100
5) Bromomethane	2.55	94	135588	53.178	ug/l 100
6) Chloroethane	2.69	64	125452	50.300	ug/l 100
7) Trichlorofluoromethane	3.01	101	278329	50.691	ug/l 100
8) Diethyl Ether	3.40	74	102307	48.627	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	172339	52.115	ug/l 100
10) Methyl Iodide	3.94	142	248070	55.685	ug/l 100
11) Tert butyl alcohol	4.81	59	139377	223.359	ug/l 100
12) 1,1-Dichloroethene	3.72	96	172463	52.021	ug/l 100
13) Acrolein	3.60	56	117365	410.319	ug/l 100
14) Allyl chloride	4.31	41	285546	50.378	ug/l 100
15) Acrylonitrile	4.99	53	425755	233.799	ug/l 100
16) Acetone	3.82	43	322424	190.021	ug/l 100
17) Carbon Disulfide	4.04	76	476305	53.969	ug/l 100
18) Methyl Acetate	4.33	43	227012	46.780	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	519575	49.783	ug/l 100
20) Methylene Chloride	4.54	84	200922	51.256	ug/l 100
21) trans-1,2-Dichloroethene	5.03	96	182483	52.264	ug/l 100
22) Diisopropyl ether	5.95	45	588576	52.347	ug/l 100
23) Vinyl Acetate	5.90	43	2165588	242.958	ug/l 100
24) 1,1-Dichloroethane	5.84	63	335779	51.462	ug/l 100
25) 2-Butanone	6.84	43	518820	207.298	ug/l 100
26) 2,2-Dichloropropane	6.82	77	232291	49.891	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	208647	52.077	ug/l 100
28) Bromochloromethane	7.19	49	153352	50.365	ug/l 100
29) Tetrahydrofuran	7.21	42	359810	218.826	ug/l 100
30) Chloroform	7.37	83	327978	50.190	ug/l 100
31) Cyclohexane	7.65	56	319973	51.457	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	274023	52.970	ug/l 100
36) 1,1-Dichloropropene	7.79	75	253291	51.427	ug/l 100
37) Ethyl Acetate	6.93	43	217996	46.465	ug/l 100
38) Carbon Tetrachloride	7.77	117	239878	51.953	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	317177	52.180	ug/l	100
40) Benzene	8.04	78	782591	51.873	ug/l	100
41) Methacrylonitrile	7.17	41	100116	47.953	ug/l	100
42) 1,2-Dichloroethane	8.12	62	242626	51.056	ug/l	100
43) Isopropyl Acetate	8.17	43	351519	47.317	ug/l	100
44) Trichloroethene	8.83	130	209664	51.122	ug/l	100
45) 1,2-Dichloropropane	9.12	63	207471	51.874	ug/l	100
46) Dibromomethane	9.21	93	128306	51.923	ug/l	100
47) Bromodichloromethane	9.40	83	247093	52.500	ug/l	100
48) Methyl methacrylate	9.20	41	178688	49.460	ug/l	100
49) 1,4-Dioxane	9.20	88	71540	958.323	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1071749	224.539	ug/l	100
52) Toluene	10.15	92	481525	53.666	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	262646	53.661	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	304406	53.450	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	185129	49.638	ug/l	100
56) Ethyl methacrylate	10.43	69	272712	51.408	ug/l	100
57) 1,3-Dichloropropane	10.71	76	311365	51.053	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	583891	233.727	ug/l	100
59) 2-Hexanone	10.75	43	752615	221.907	ug/l	100
60) Dibromochloromethane	10.90	129	194734	53.021	ug/l	100
61) 1,2-Dibromoethane	11.00	107	193657	52.200	ug/l	100
64) Tetrachloroethene	10.63	164	209606	49.986	ug/l	100
65) Chlorobenzene	11.43	112	514568	51.850	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	191361	52.406	ug/l	100
67) Ethyl Benzene	11.51	91	909840	52.246	ug/l	100
68) m/p-Xylenes	11.62	106	685652	105.402	ug/l	100
69) o-Xylene	11.94	106	334469	52.284	ug/l	100
70) Styrene	11.96	104	560044	54.210	ug/l	100
71) Bromoform	12.12	173	140869	51.500	ug/l #	100
73) Isopropylbenzene	12.25	105	885448	50.561	ug/l	100
74) N-amyl acetate	12.07	43	303546	47.592	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	249263	43.144	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	212662m	45.842	ug/l	
77) Bromobenzene	12.52	156	231558	50.591	ug/l	100
78) n-propylbenzene	12.59	91	974219	50.362	ug/l	100
79) 2-Chlorotoluene	12.67	91	580049	48.457	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	742965	50.187	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	72263	48.339	ug/l	100
82) 4-Chlorotoluene	12.77	91	577800	50.866	ug/l	100
83) tert-Butylbenzene	12.99	119	639336	49.501	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	730732	50.626	ug/l	100
85) sec-Butylbenzene	13.17	105	844351	51.247	ug/l	100
86) p-Isopropyltoluene	13.29	119	758777	50.939	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	372288	50.018	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	361998	50.014	ug/l	100
89) n-Butylbenzene	13.61	91	620191	51.991	ug/l	100
90) Hexachloroethane	13.87	117	128884	53.075	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	372880	49.066	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39446	43.611	ug/l	100

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Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 23 01:05:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	182263	53.249	ug/l	100
94) Hexachlorobutadiene	15.01	225	132957	48.544	ug/l	100
95) Naphthalene	15.13	128	477298	52.178	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	194334	54.315	ug/l	100

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

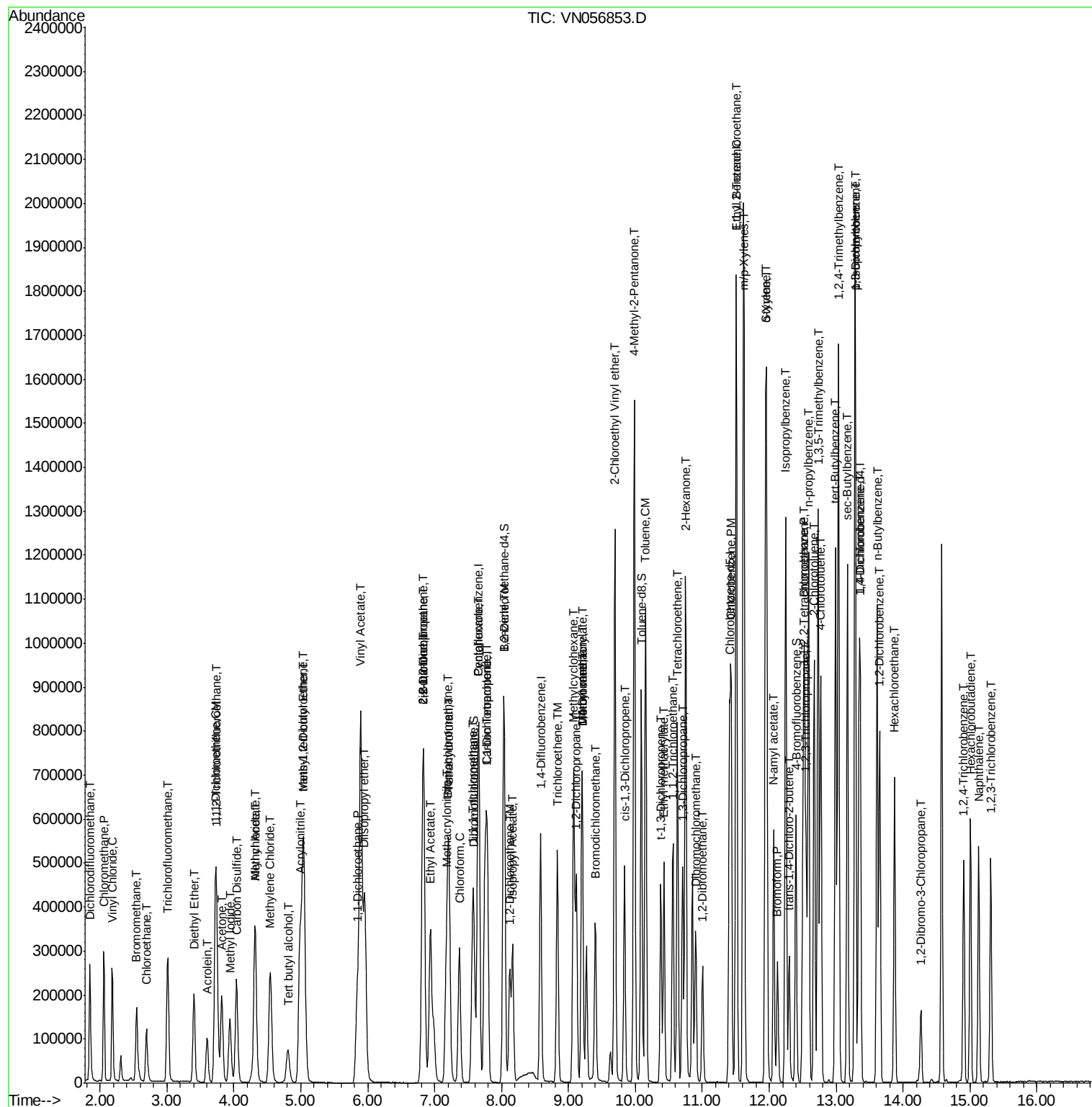
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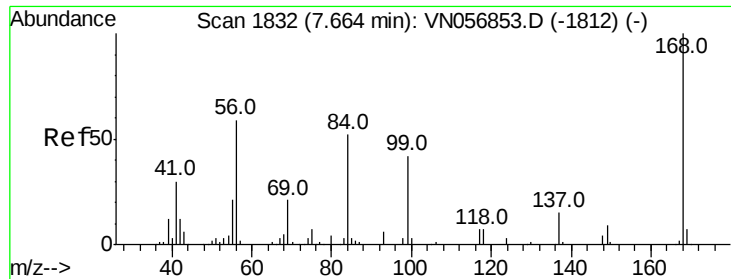
Instrument :
 MSVOA_N
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 346584

Ion Ratio Lower Upper

168 100

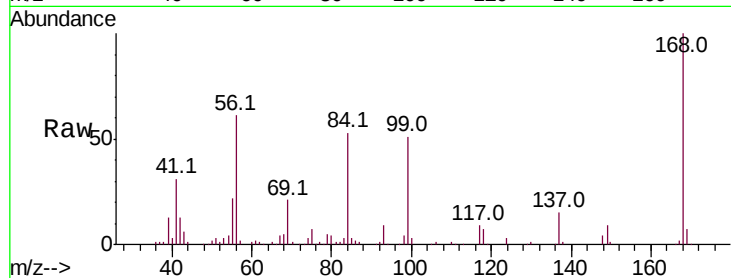
99 51.1 40.9 61.3

Manual Integrations

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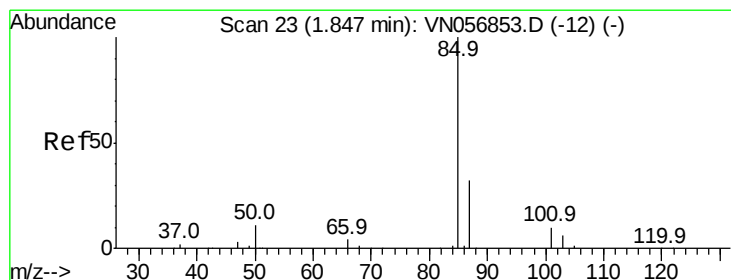
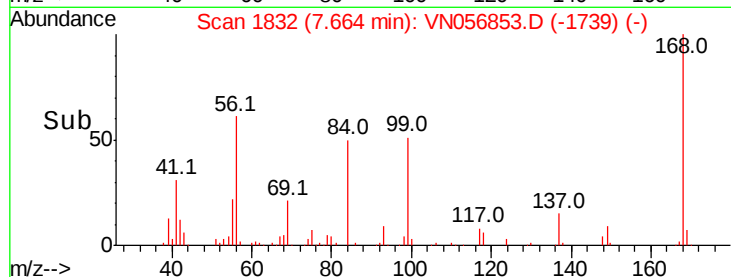
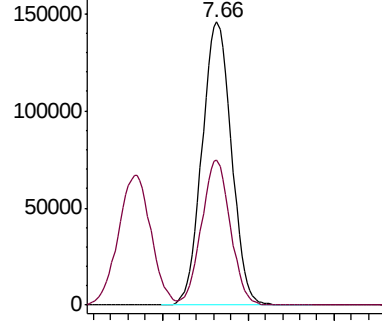
MMDadoda

7/25/2019 3:01:18 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 63.958 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056853.D

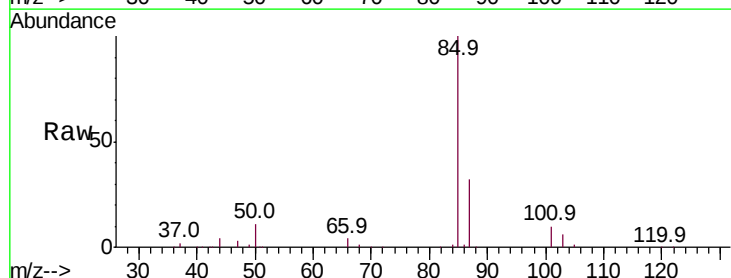
Acq: 22 Jul 2019 13:10

Tgt Ion: 85 Resp: 223064

Ion Ratio Lower Upper

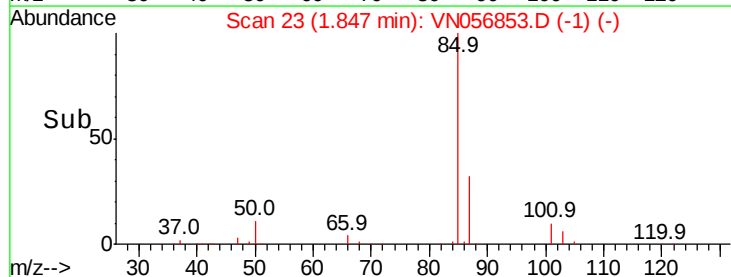
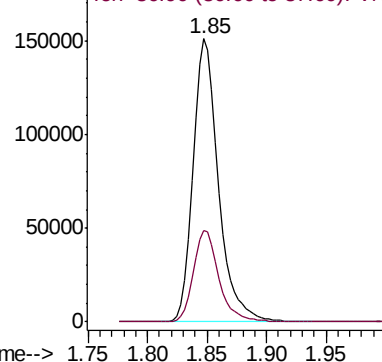
85 100

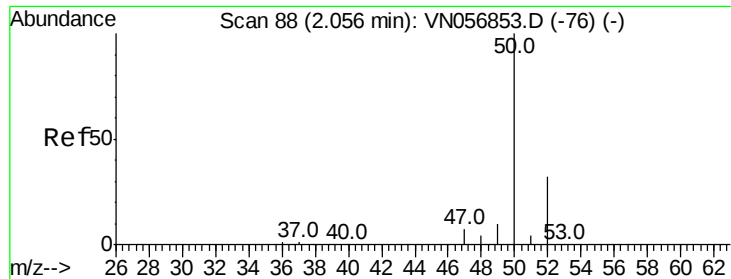
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 56.100 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 255089

Ion Ratio Lower Upper

50 100

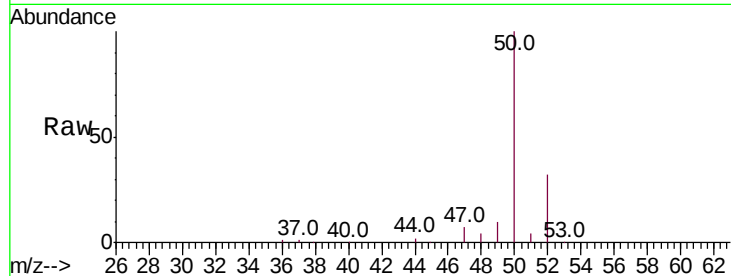
52 32.4 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

200000

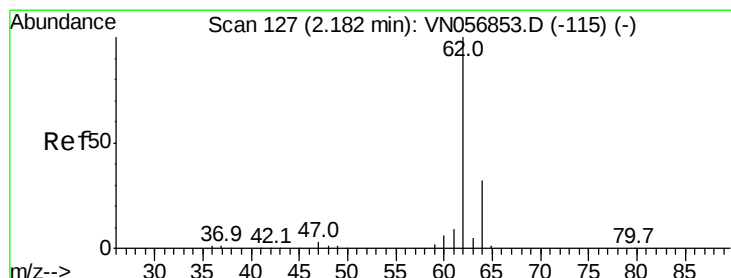
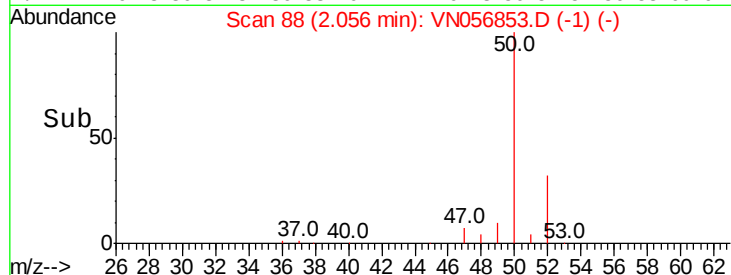
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 55.029 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056853.D

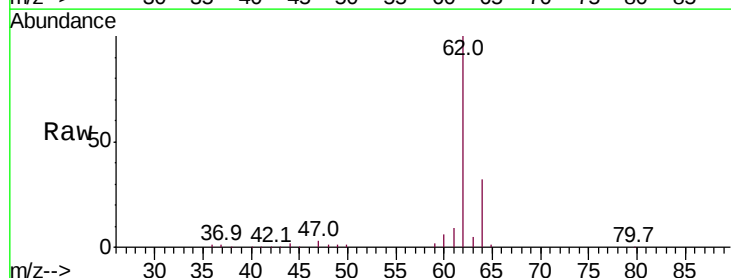
Acq: 22 Jul 2019 13:10

Tgt Ion: 62 Resp: 239222

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.18

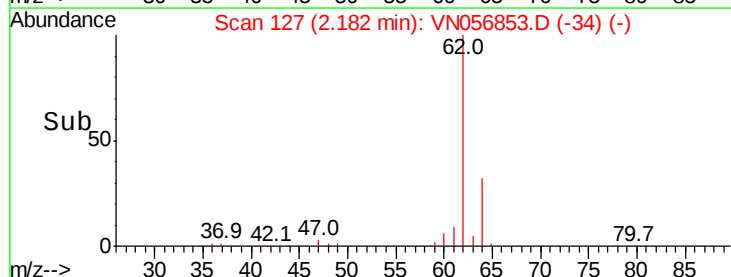
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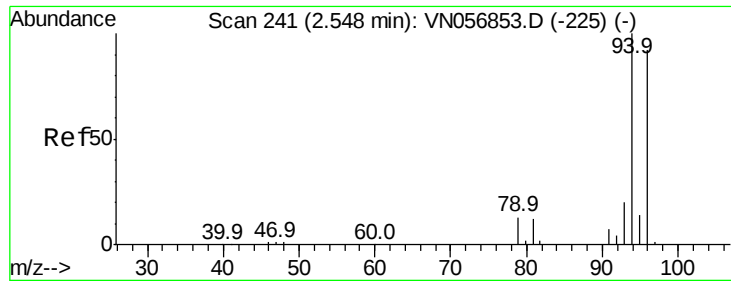
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50000

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Time-->





#5

Bromomethane

Concen: 53.178 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 135588

Ion Ratio Lower Upper

94 100

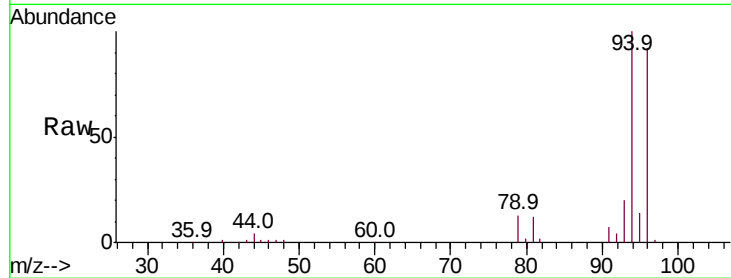
96 92.0 73.6 110.4

Manual Integrations

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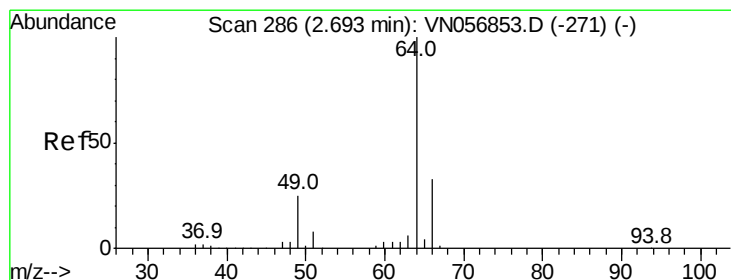
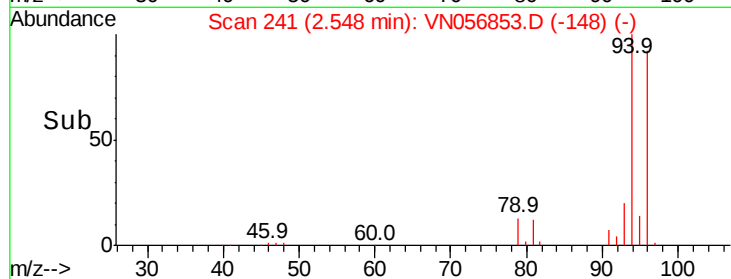
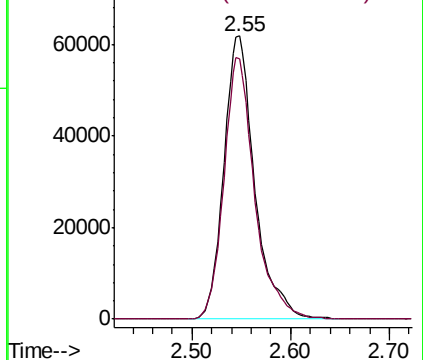
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.300 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN056853.D

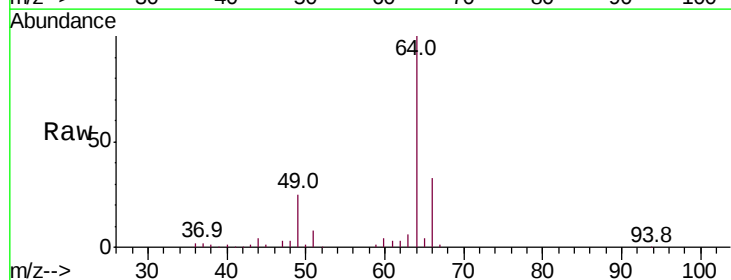
Acq: 22 Jul 2019 13:10

Tgt Ion: 64 Resp: 125452

Ion Ratio Lower Upper

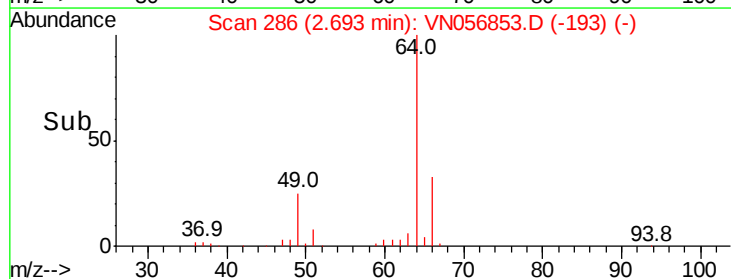
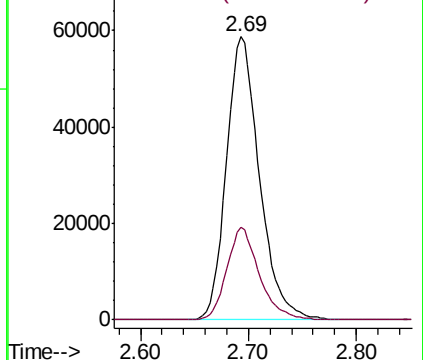
64 100

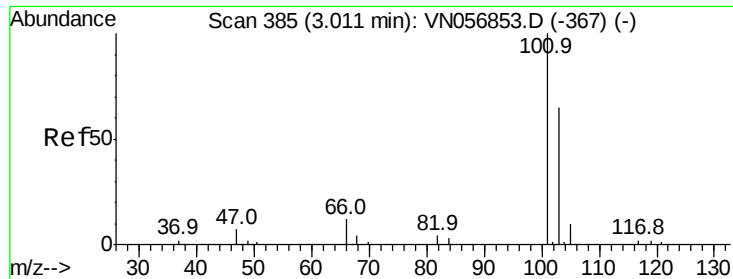
66 33.0 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

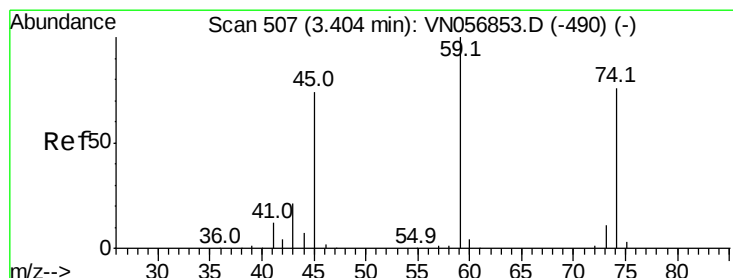
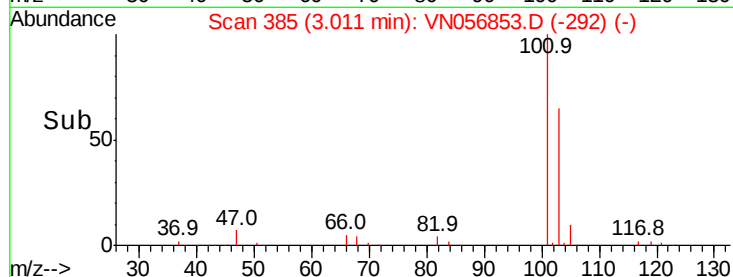
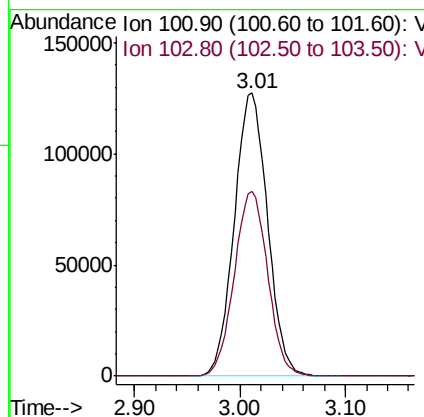
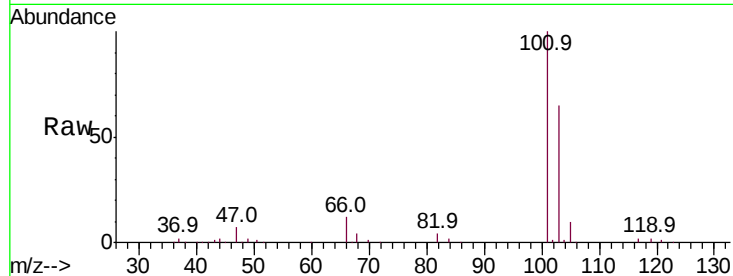
Trichlorofluoromethane
 Concen: 50.691 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.3	78.5

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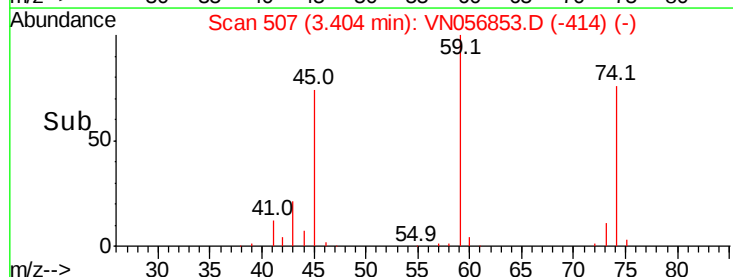
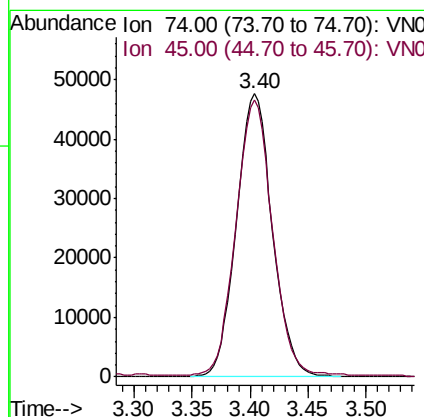
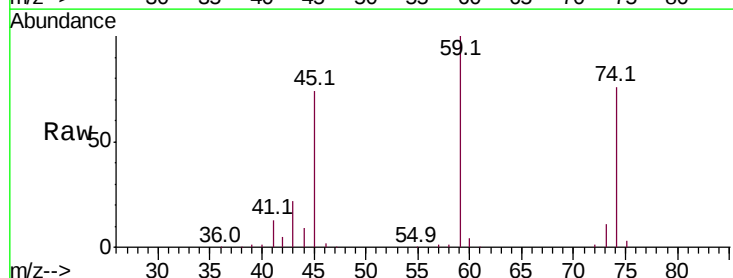
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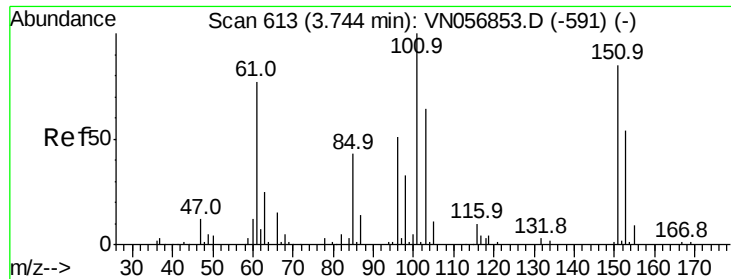


#8

Diethyl Ether
 Concen: 48.627 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.4	49.2	147.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.115 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

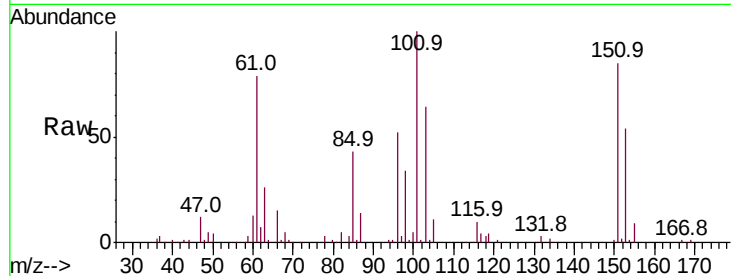
ClientSampleId :

VSTDICCC050

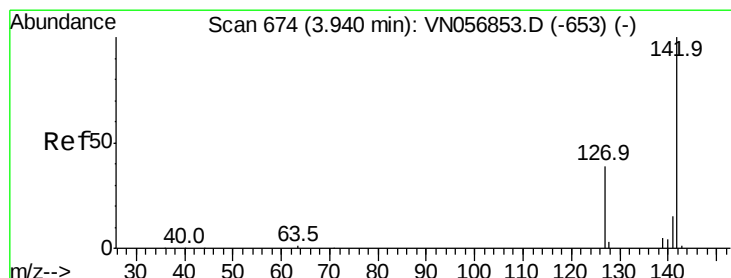
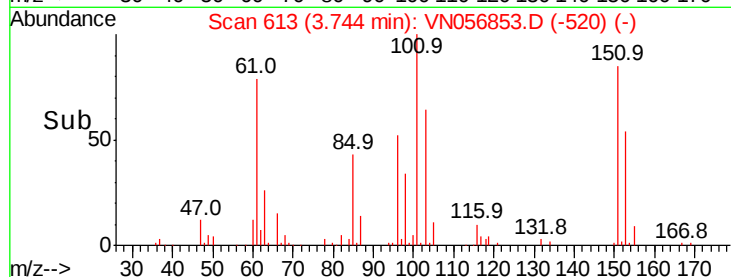
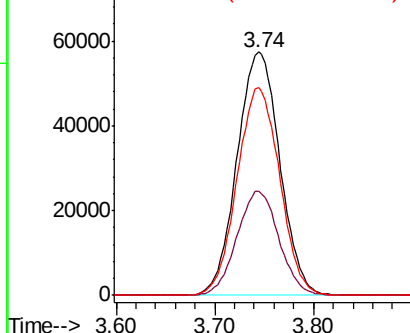
Tot Ion:	101	Resp:	172339
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.7	50.5
151	85.1	68.1	102.1

Manual Integrations
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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: 55.685 ug/l

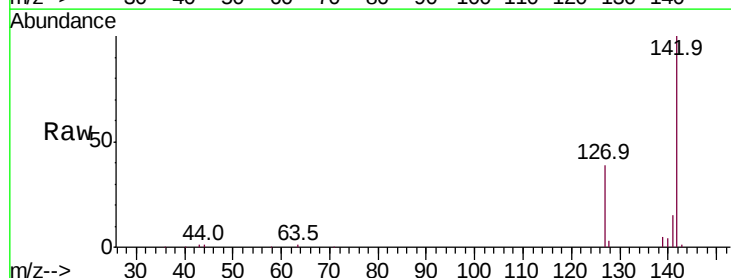
RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

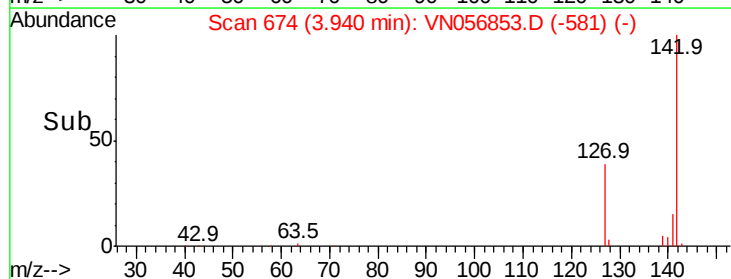
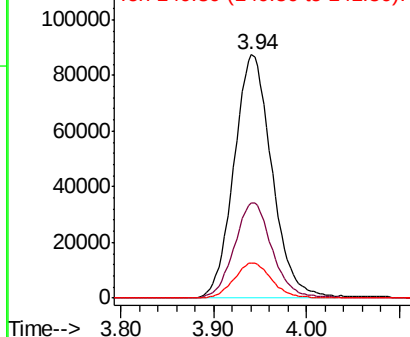
Lab File: VN056853.D

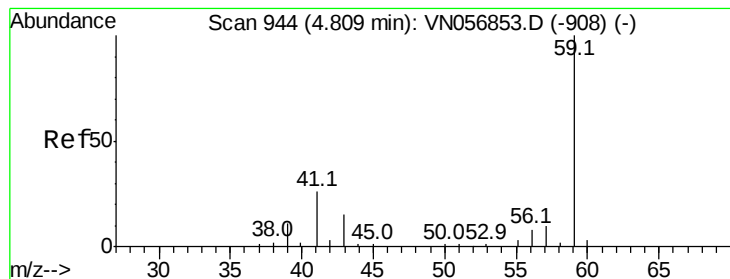
Acq: 22 Jul 2019 13:10

Tgt Ion:	142	Resp:	248070
Ion Ratio	Lower	Upper	
142	100		
127	39.0	31.2	46.8
141	14.3	11.4	17.2



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

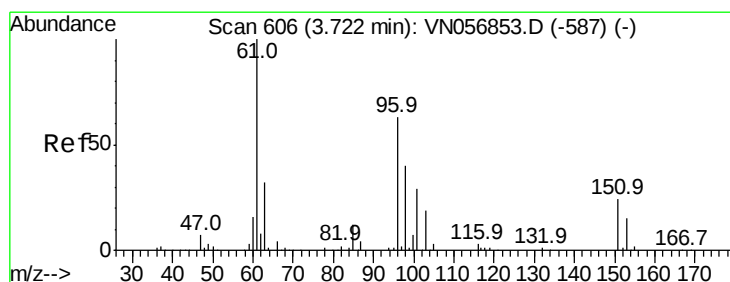
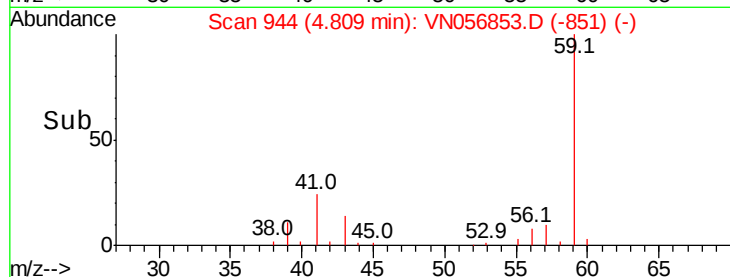
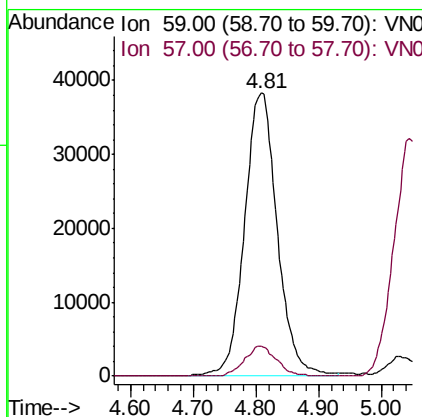
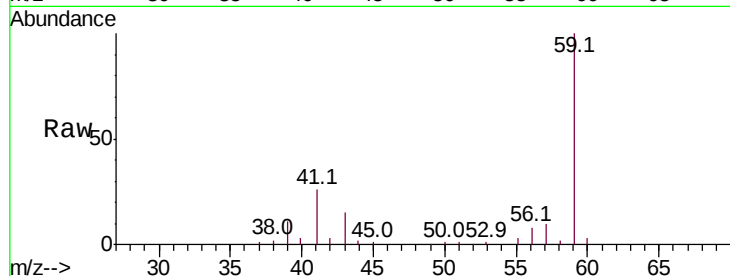
Tert butyl alcohol
 Concen: 223.359 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

Manual Integrations
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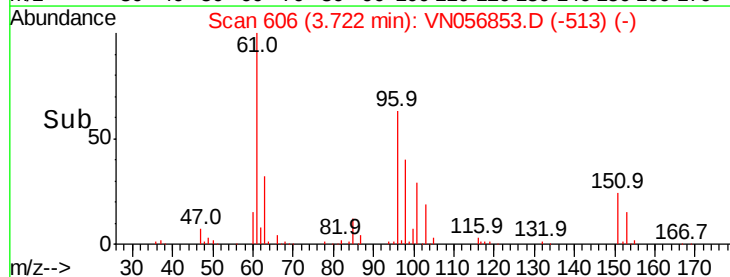
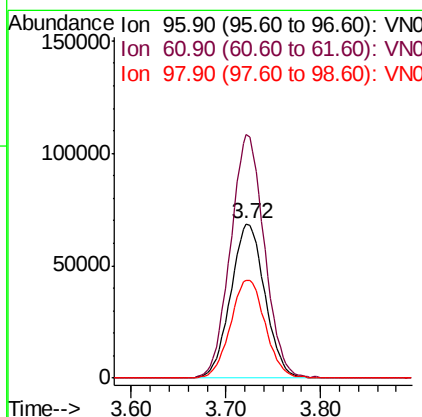
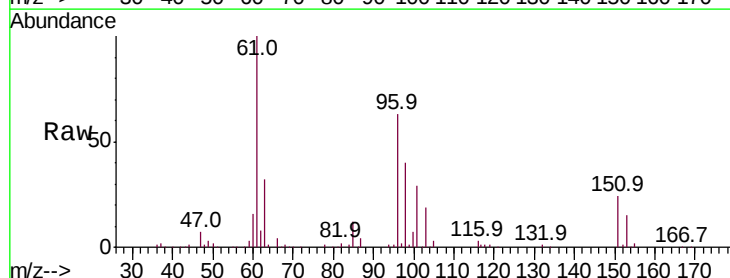
MMDadoda
 7/25/2019 3:01:18 PM

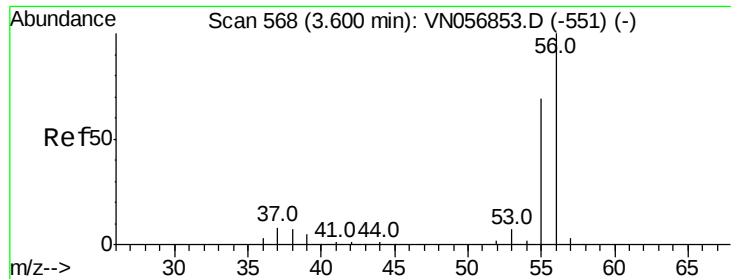


#12

1,1-Dichloroethene
 Concen: 52.021 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.9	126.3	189.5
98	63.7	51.0	76.4





#13

Acrolein

Concen: 410.319 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 117365

Ion Ratio Lower Upper

56 100

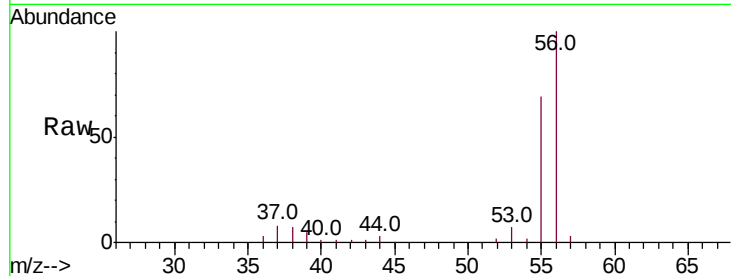
55 70.3 56.2 84.4

Manual Integrations

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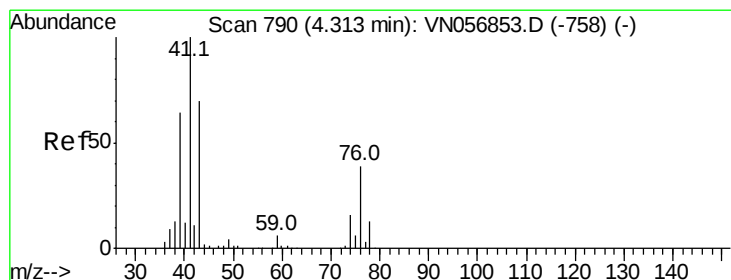
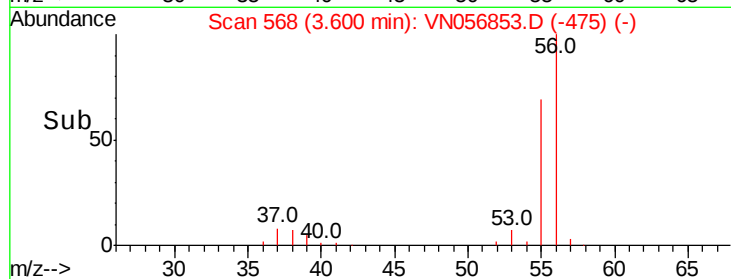
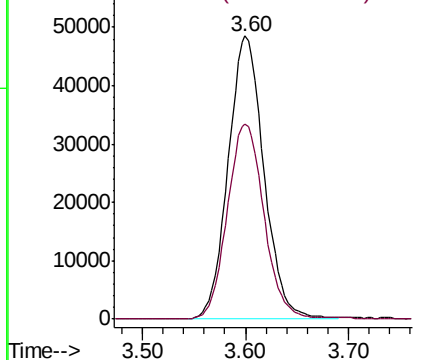
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 50.378 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

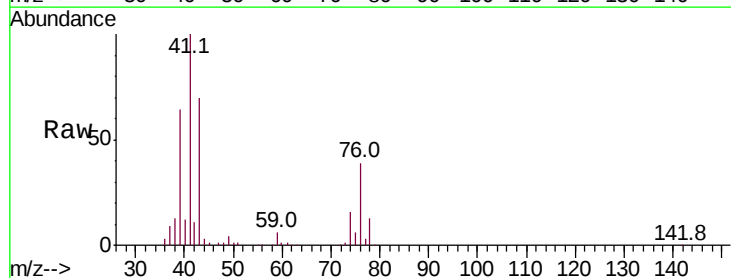
Tgt Ion: 41 Resp: 285546

Ion Ratio Lower Upper

41 100

39 59.7 47.8 71.6

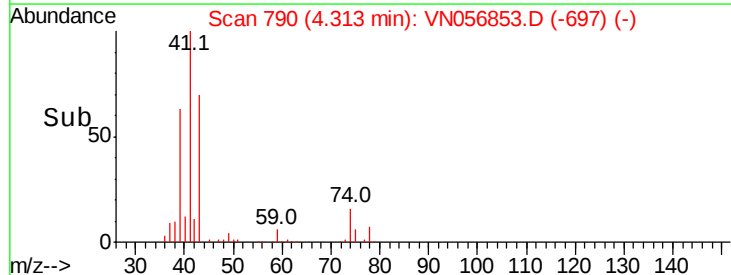
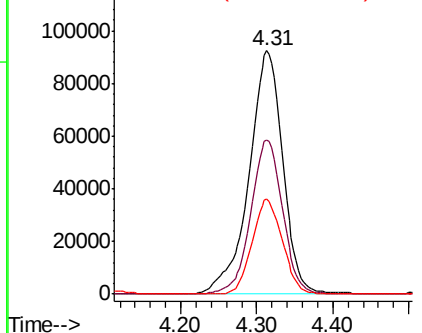
76 34.9 27.9 41.9

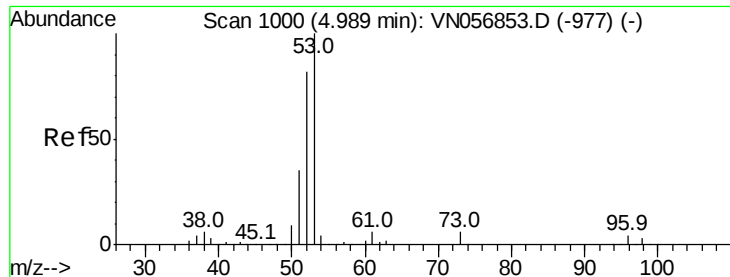


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





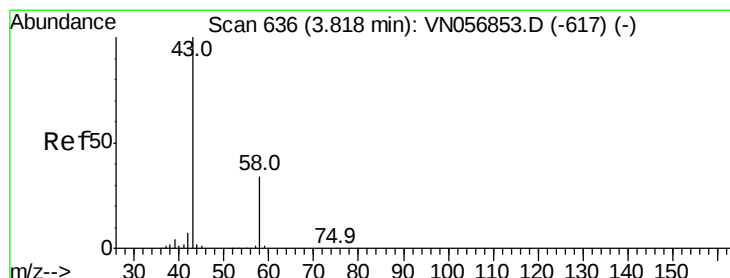
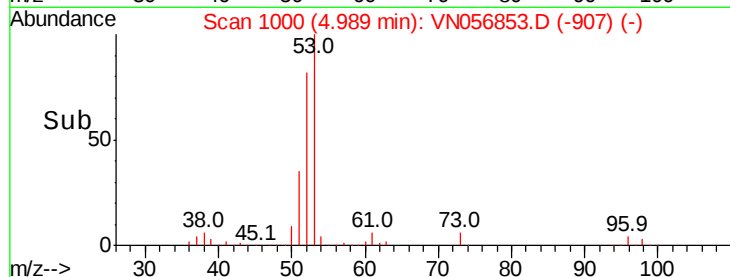
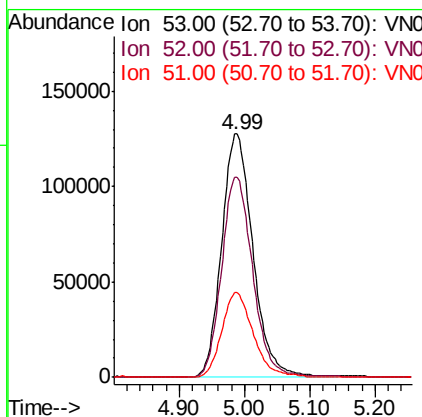
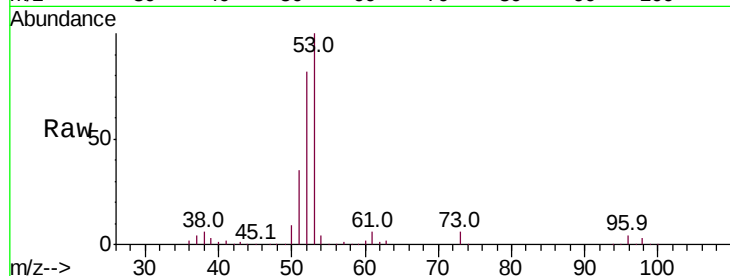
#15
 Acrylonitrile
 Concen: 233.799 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.0	97.6
51	35.2	28.2	42.2

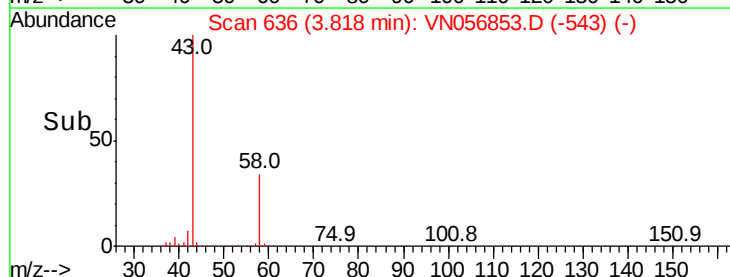
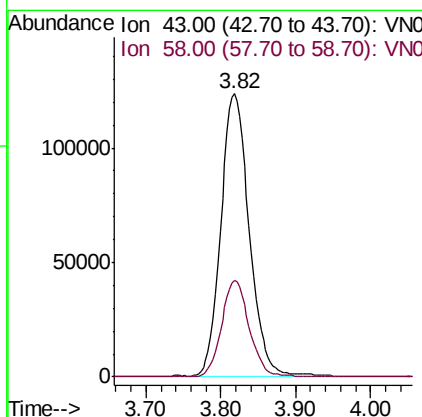
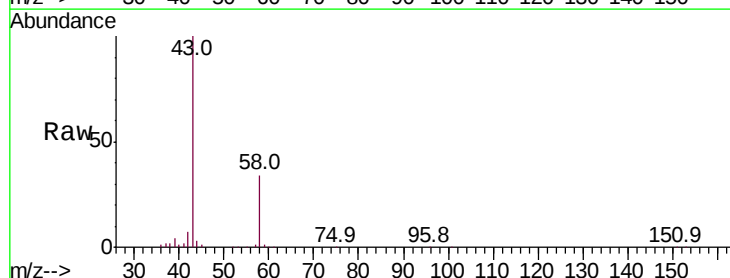
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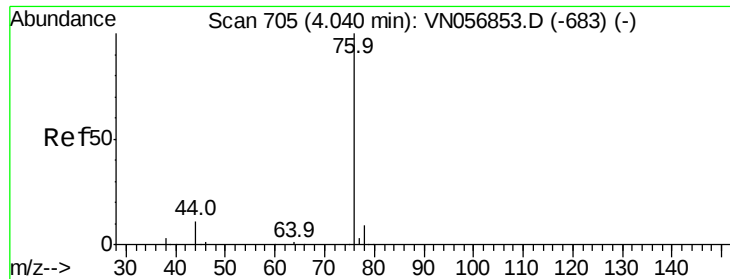
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#16
 Acetone
 Concen: 190.021 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.3	40.9





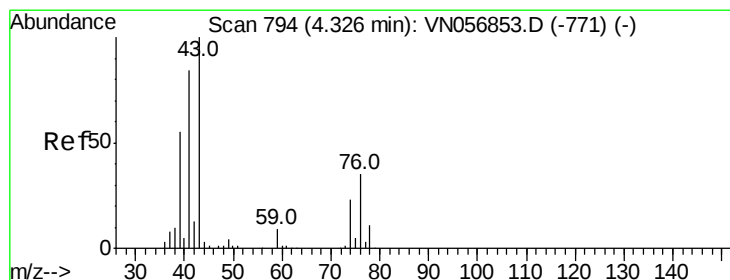
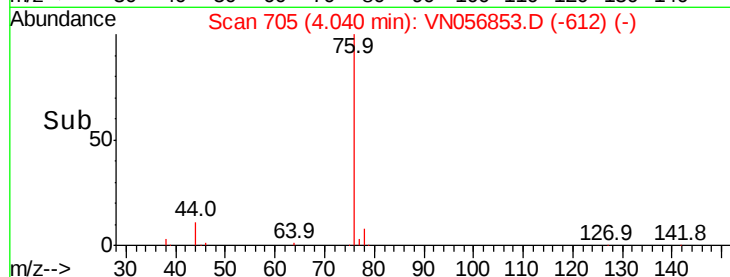
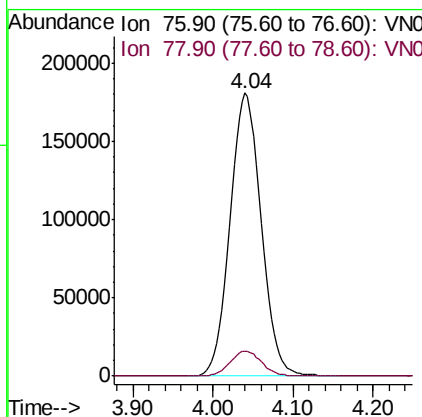
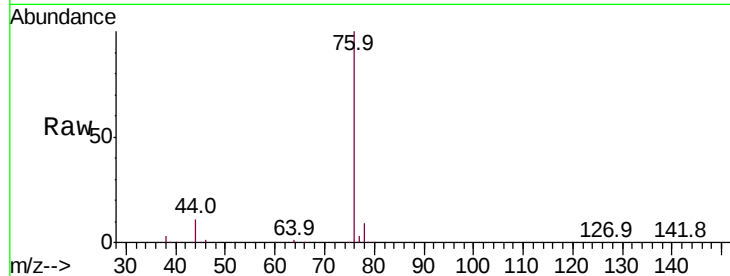
#17
Carbon Disulfide
Concen: 53.969 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

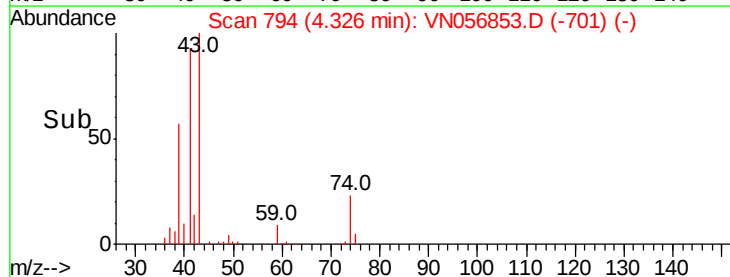
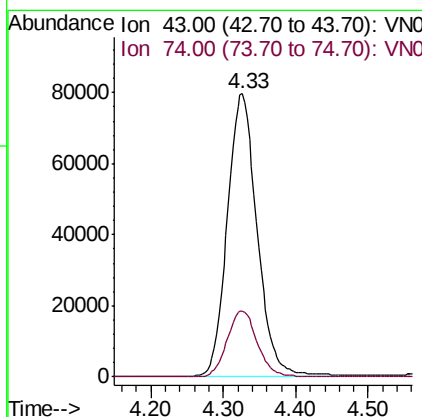
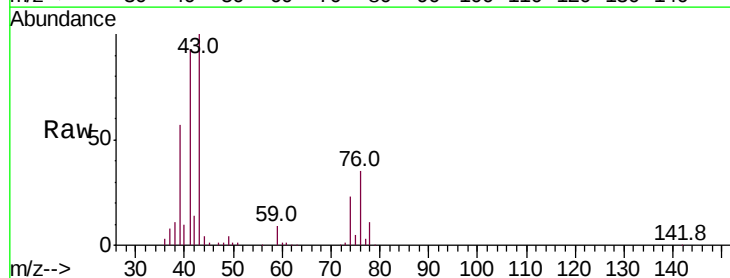
Manual Integrations
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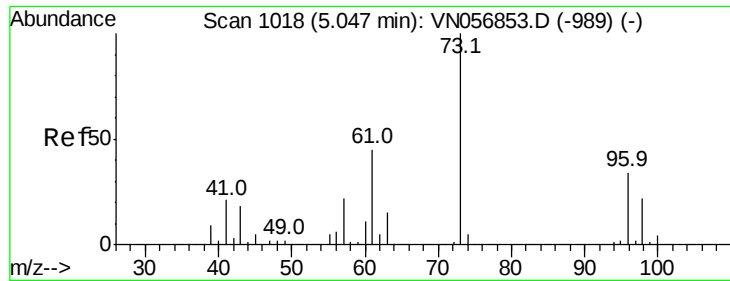
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#18
Methyl Acetate
Concen: 46.780 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.0	28.4





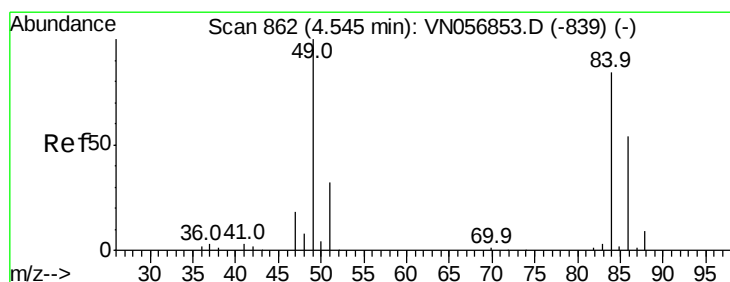
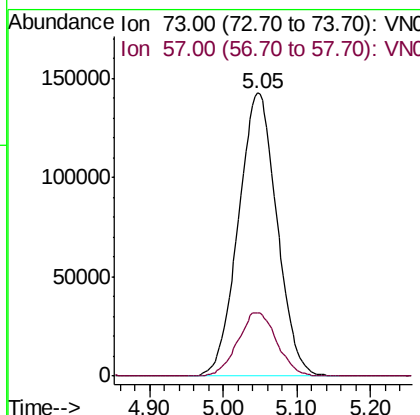
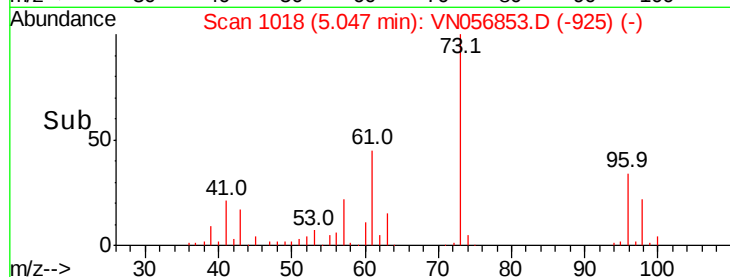
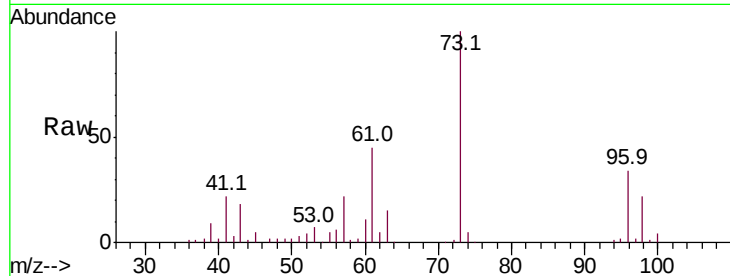
#19
Methyl tert-butyl Ether
Concen: 49.783 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 519575
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0

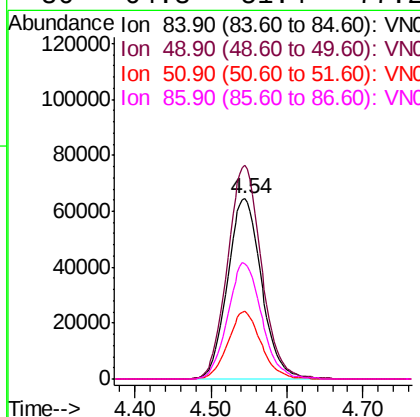
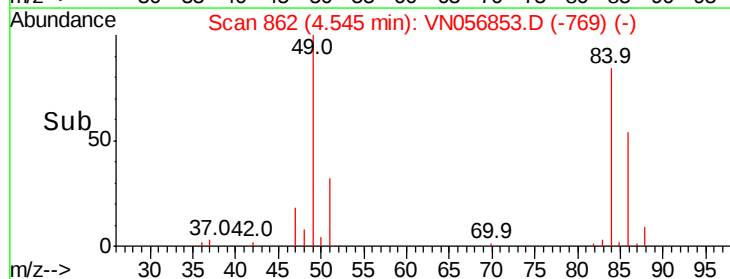
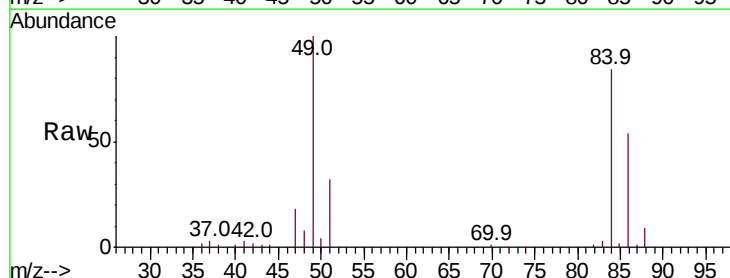
Manual Integrations
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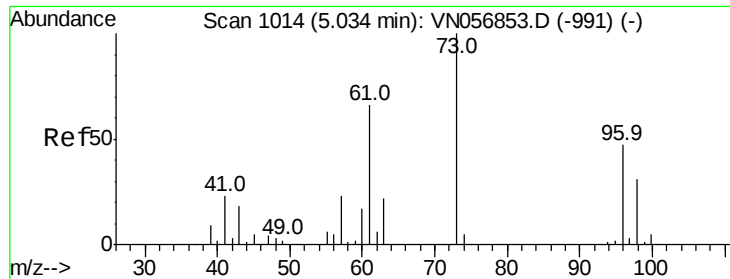
MMDadoda
7/25/2019 3:01:18 PM



#20
Methylene Chloride
Concen: 51.256 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Tgt Ion: 84 Resp: 200922
Ion Ratio Lower Upper
84 100
49 118.6 94.9 142.3
51 37.4 29.9 44.9
86 64.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 52.264 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 96 Resp: 182483

Ion Ratio Lower Upper

96 100

61 141.0 112.8 169.2

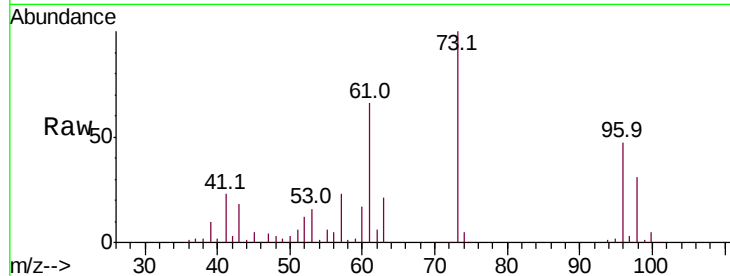
98 66.6 53.3 79.9

Manual Integrations

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MMDadoda

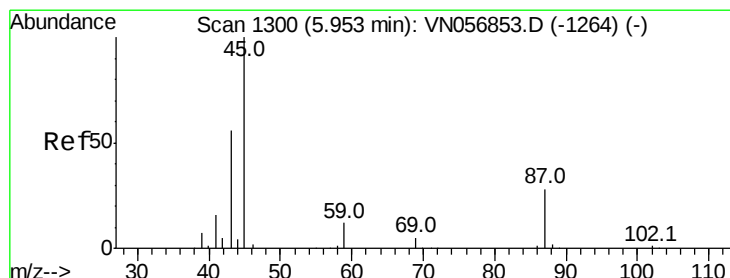
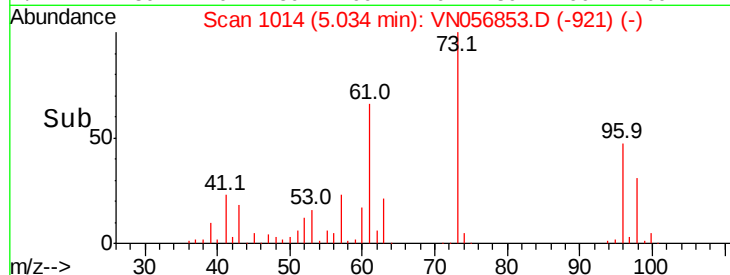
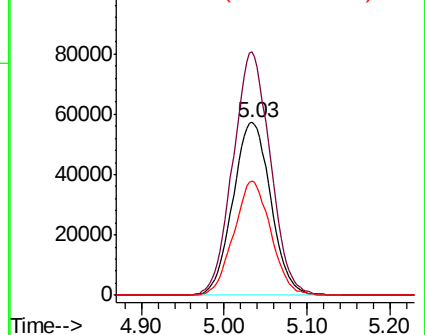
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Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 52.347 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Tgt Ion: 45 Resp: 588576

Ion Ratio Lower Upper

45 100

43 56.9 45.5 68.3

87 28.4 22.7 34.1

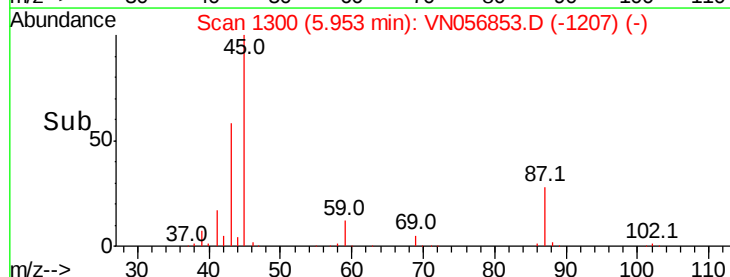
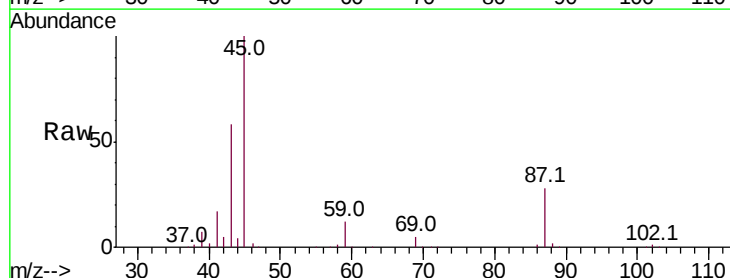
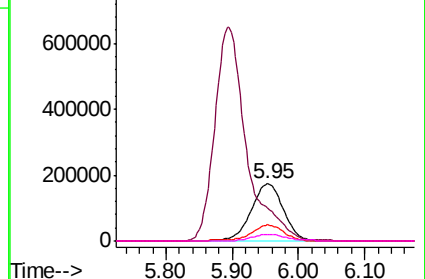
59 11.6 9.3 13.9

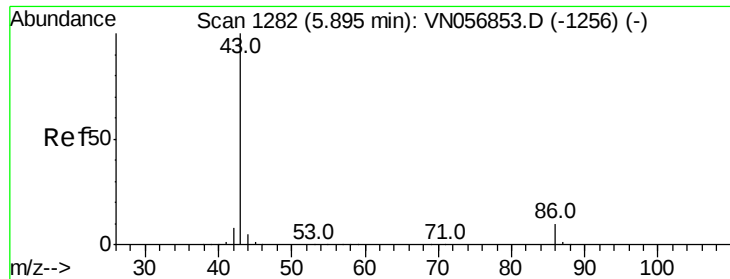
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





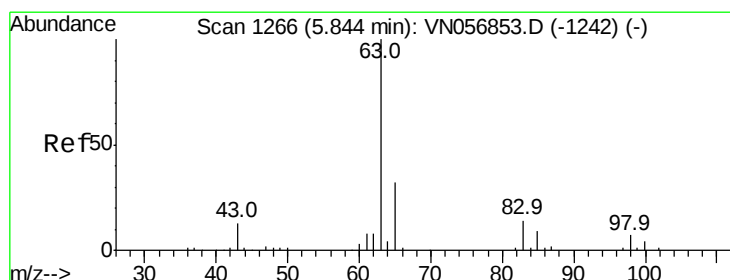
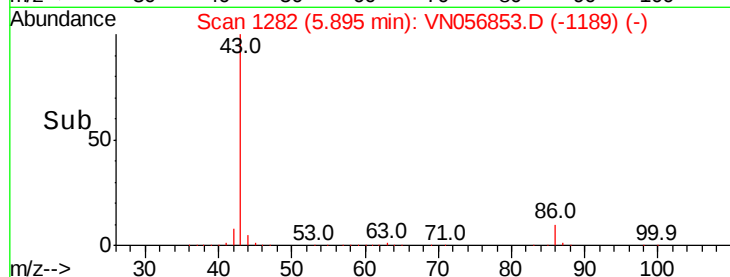
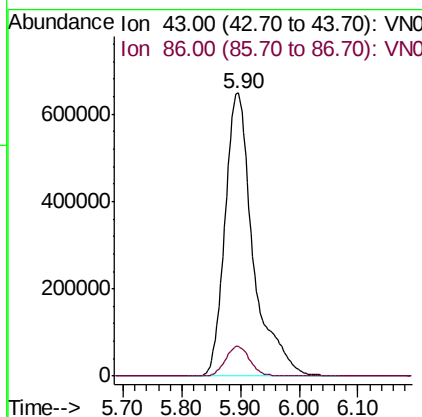
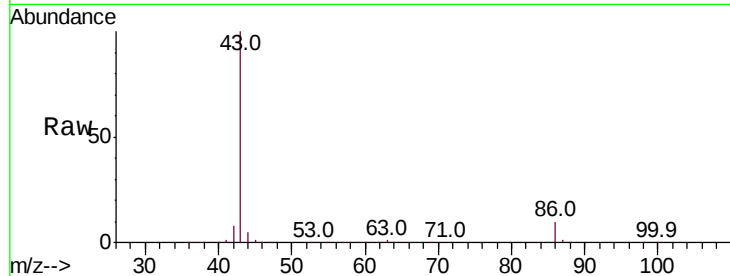
#23
 Vinyl Acetate
 Concen: 242.958 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 2165588
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.4 12.6

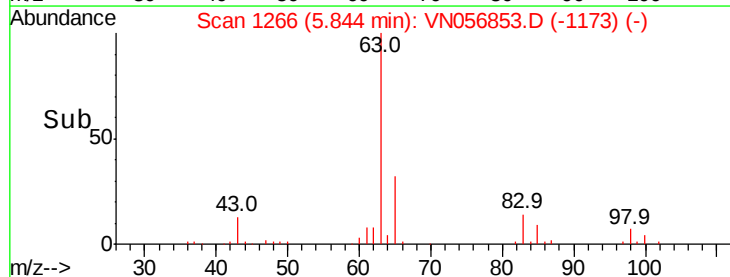
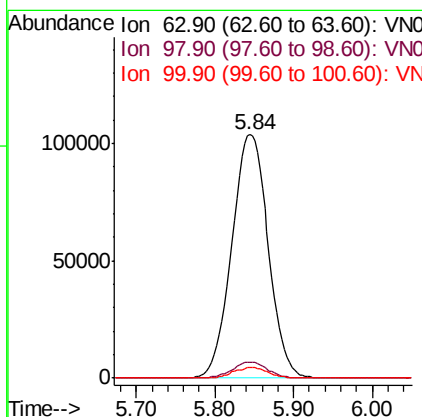
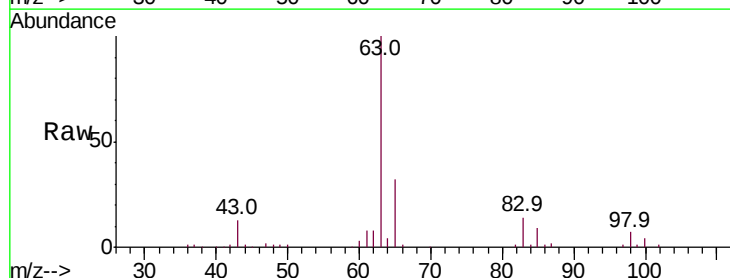
Manual Integrations
 APPROVED

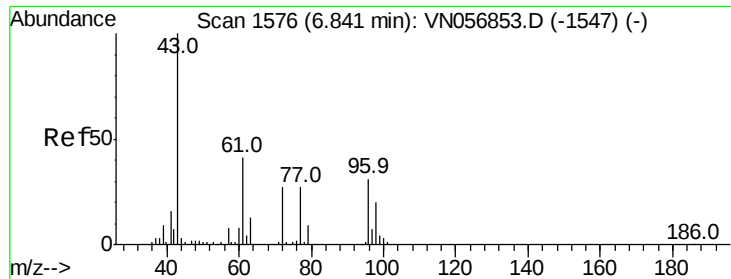
MMDadoda
 7/25/2019 3:01:18 PM



#24
 1,1-Dichloroethane
 Concen: 51.462 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Tgt Ion: 63 Resp: 335779
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.9
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 207.298 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 518820

Ion Ratio Lower Upper

43 100

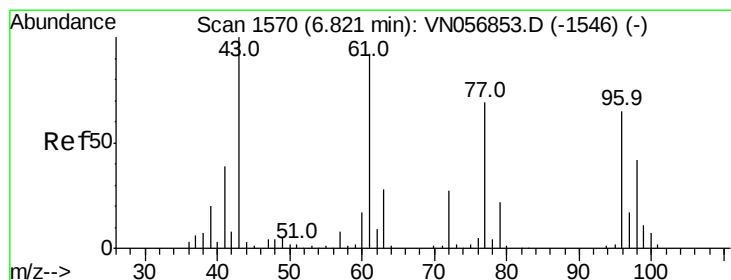
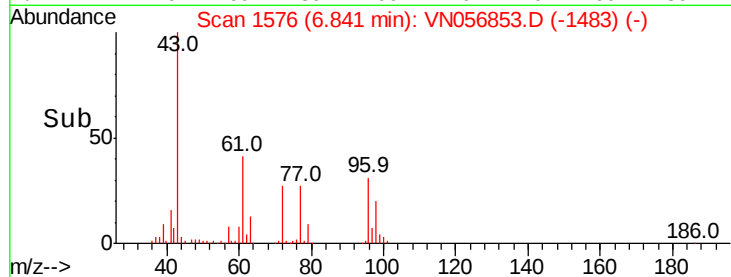
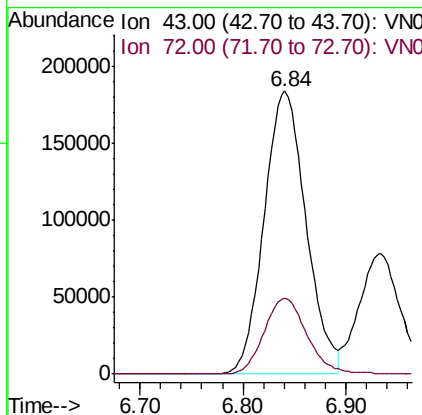
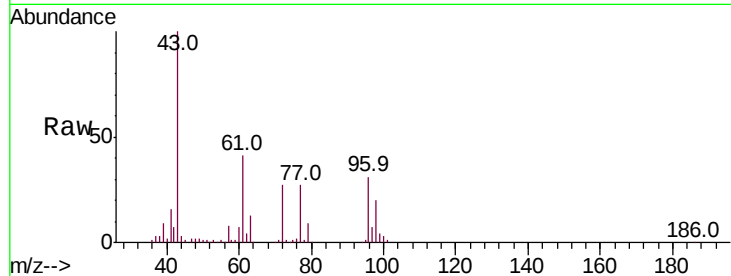
72 26.9 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.891 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056853.D

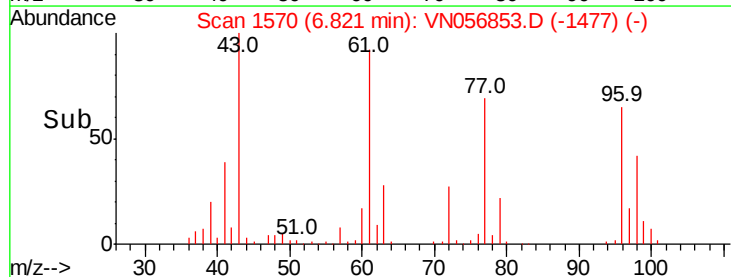
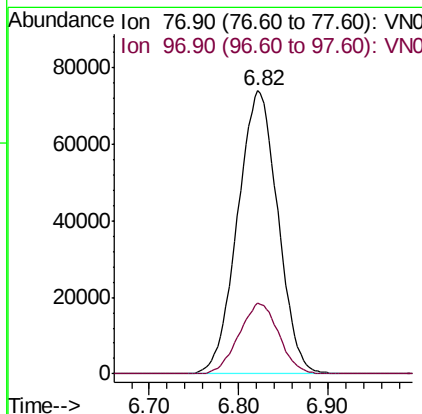
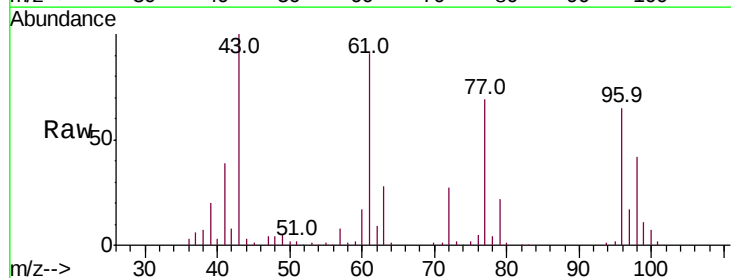
Acq: 22 Jul 2019 13:10

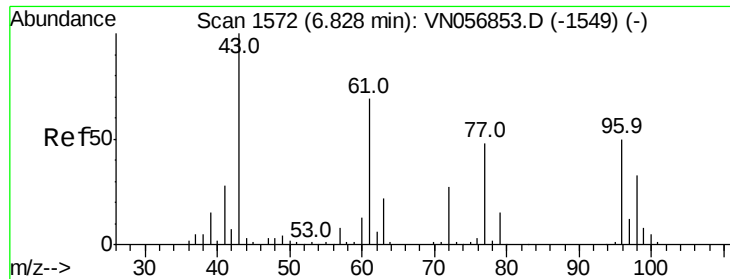
Tgt Ion: 77 Resp: 232291

Ion Ratio Lower Upper

77 100

97 24.8 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 52.077 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056853.D

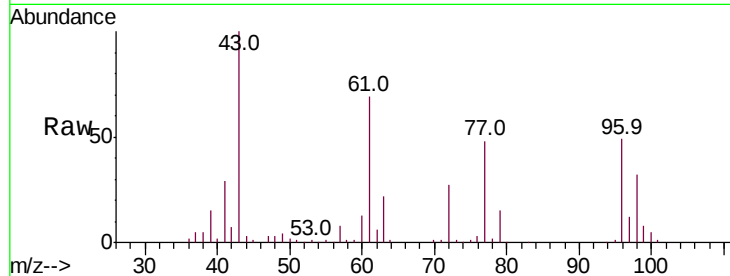
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	281.6
98	66.0	0.0	132.0

Manual Integrations
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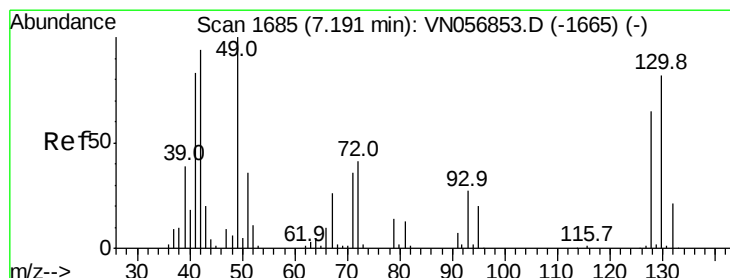
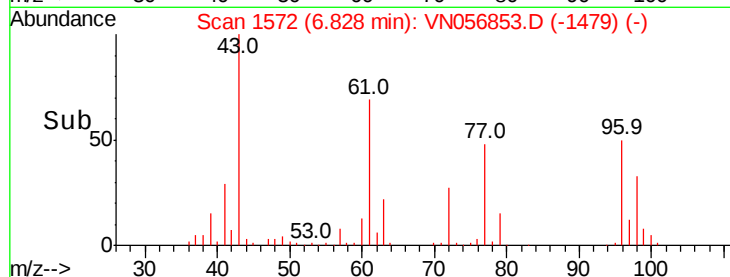
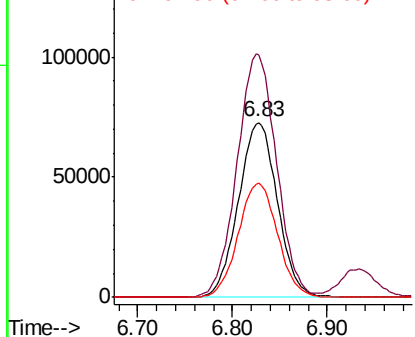
MMDadoda
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Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 50.365 ug/l

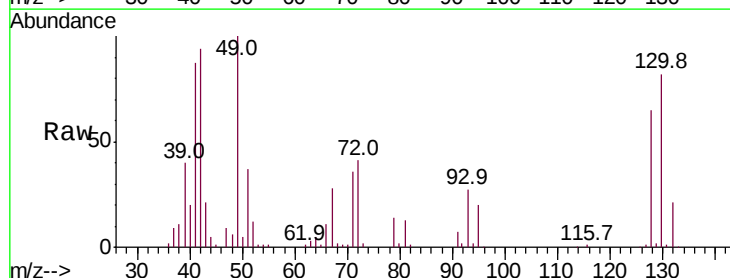
RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

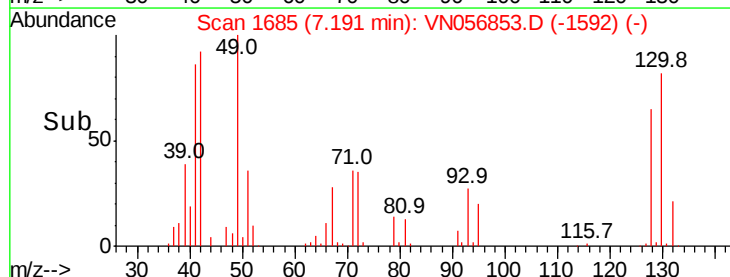
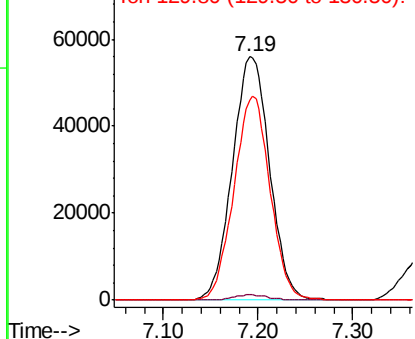
Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	81.3	65.0	97.6

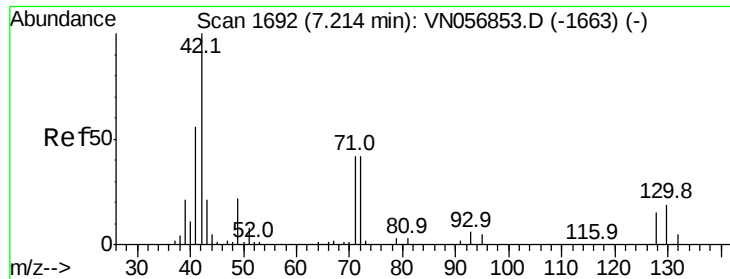


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





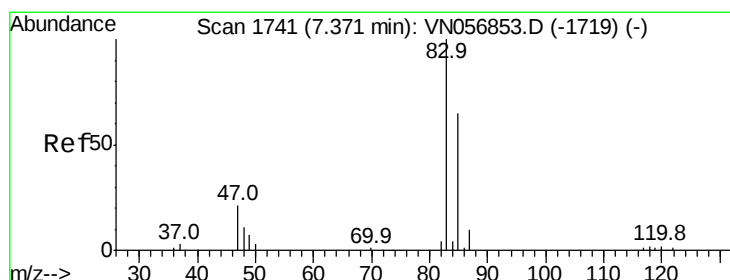
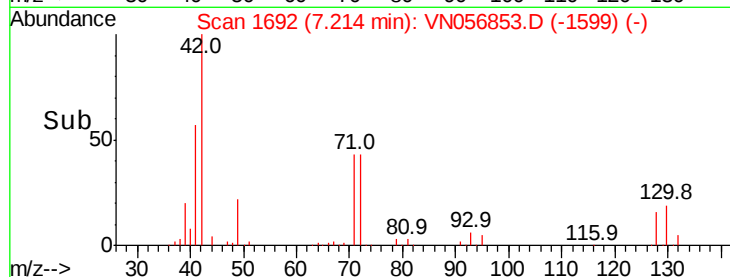
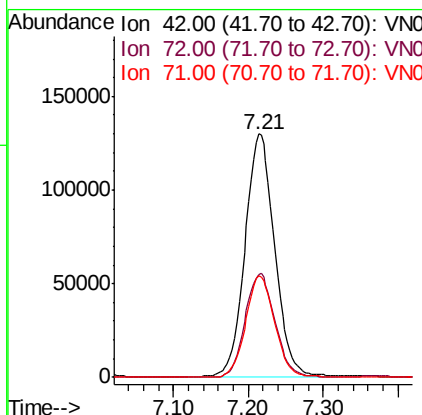
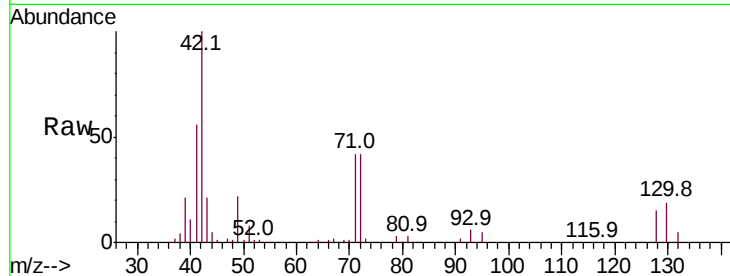
#29
Tetrahydrofuran
Concen: 218.826 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	40.9	32.7	49.1

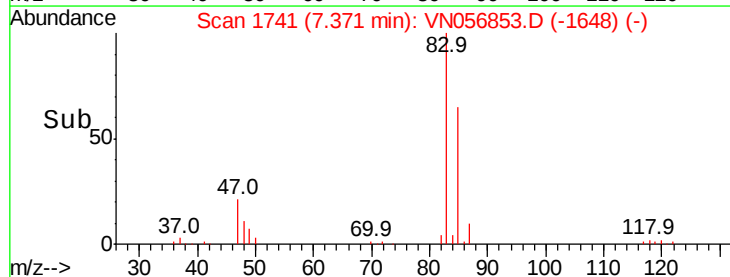
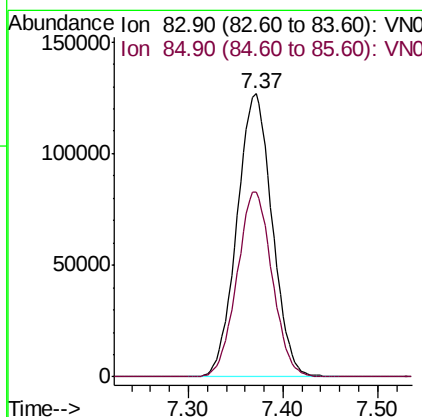
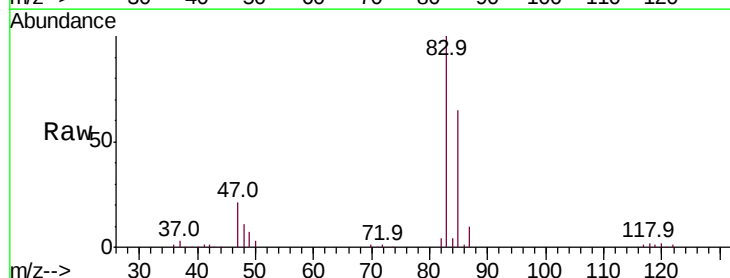
Manual Integrations
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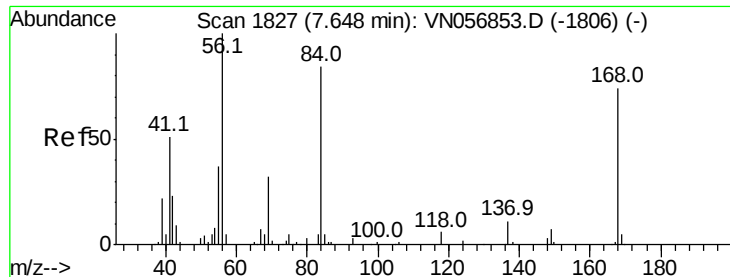
MMDadoda
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#30
Chloroform
Concen: 50.190 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.3	78.5





#31

Cyclohexane

Concen: 51.457 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 319973

Ion Ratio Lower Upper

56 100

69 31.9 25.5 38.3

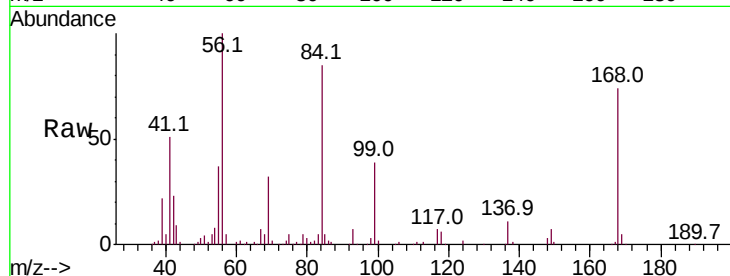
84 84.1 67.3 100.9

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN056853.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN056853.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN056853.D (-1806) (-)

200000

150000

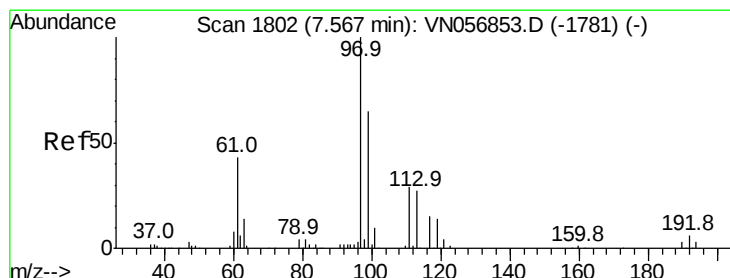
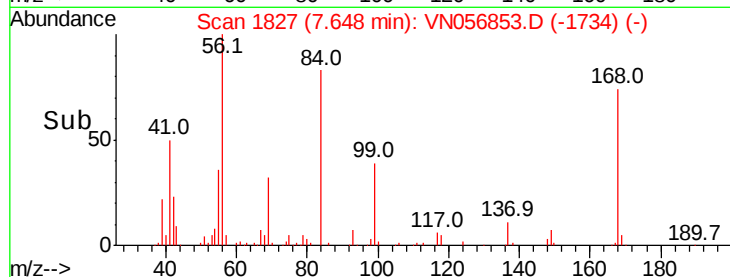
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#32

1,1,1-Trichloroethane

Concen: 52.970 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

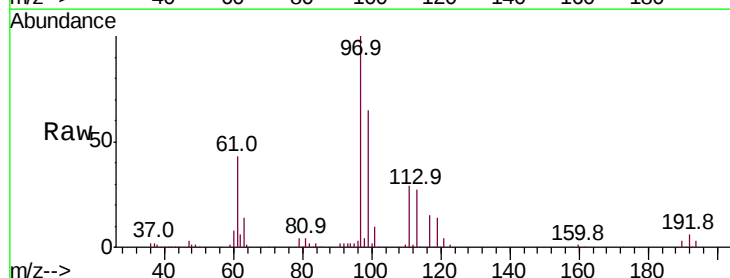
Tgt Ion: 97 Resp: 274023

Ion Ratio Lower Upper

97 100

99 65.1 52.1 78.1

61 42.5 34.0 51.0



Abundance Ion 96.90 (96.60 to 97.60): VN056853.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN056853.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN056853.D (-1781) (-)

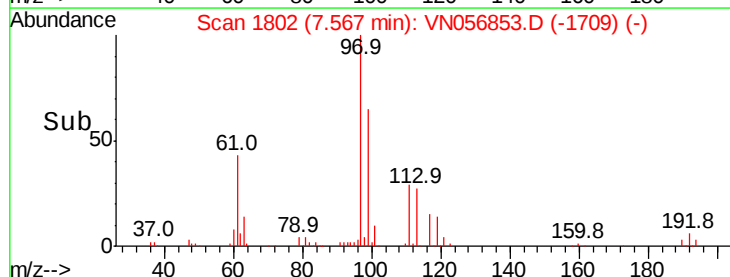
100000

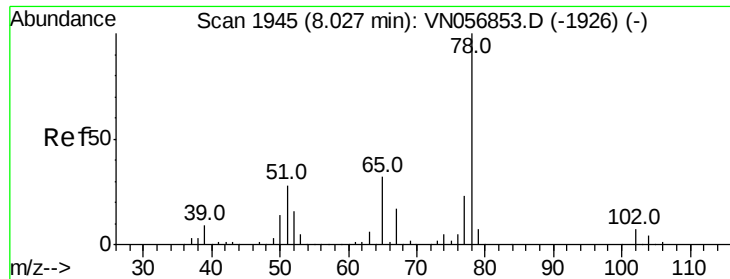
50000

0

7.55 7.60 7.65 7.70

Time-->





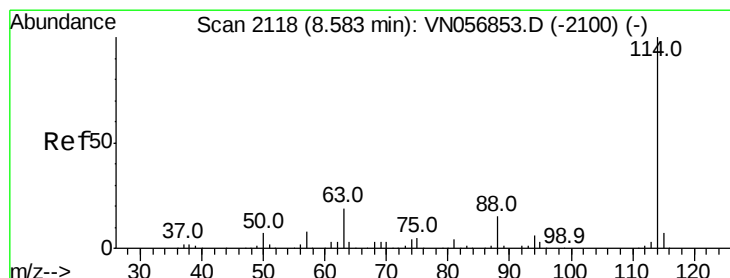
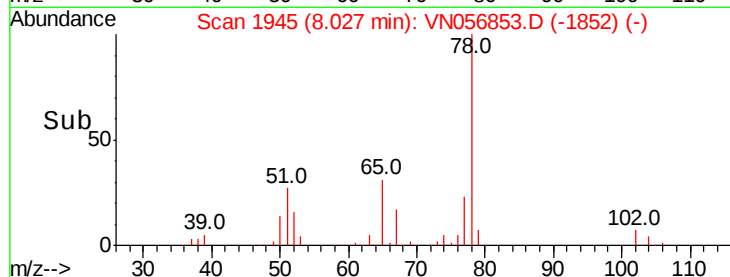
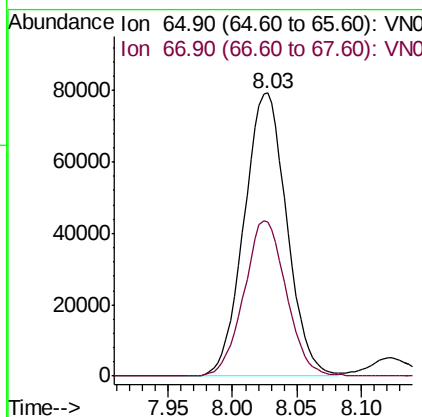
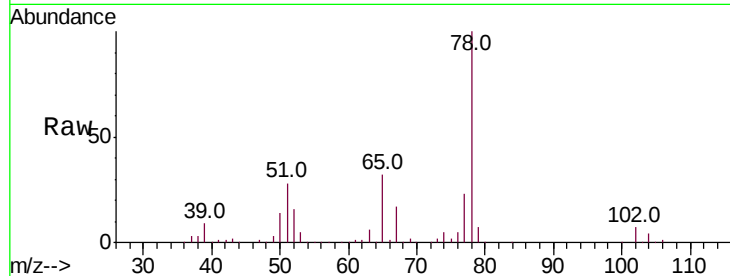
#33
 1,2-Dichloroethane-d4
 Concen: 48.139 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	183144		
67	54.3	0.0	108.6	

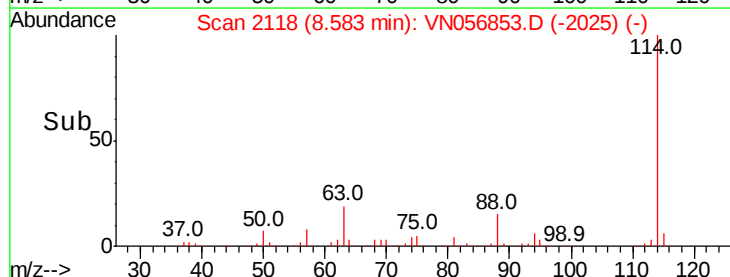
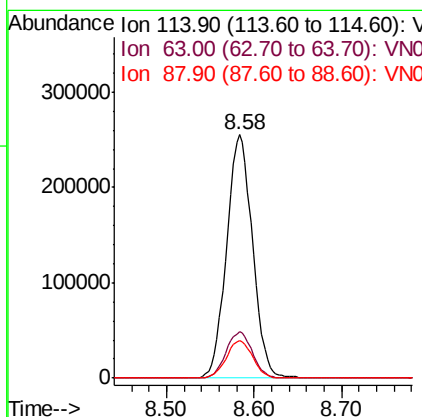
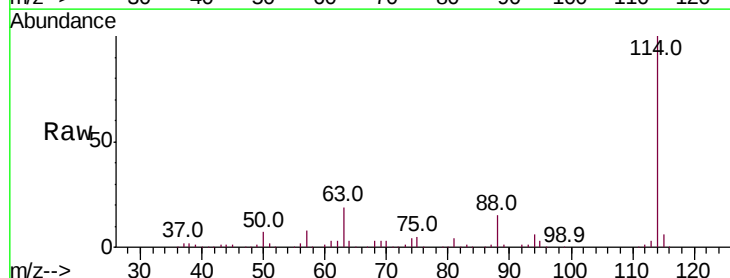
Manual Integrations
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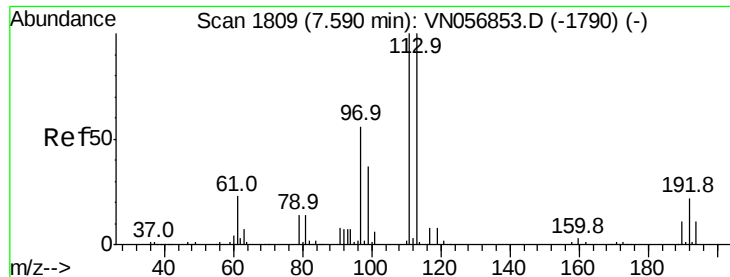
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	524963		
63	18.9	0.0	37.8	
88	15.5	0.0	31.0	





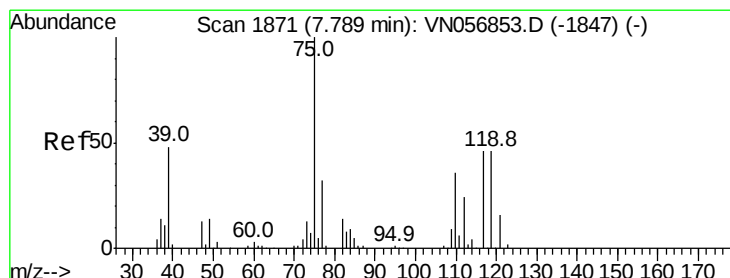
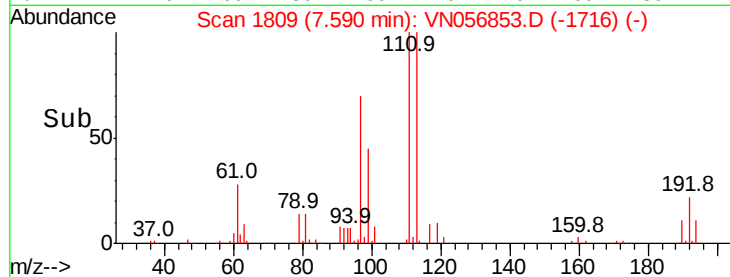
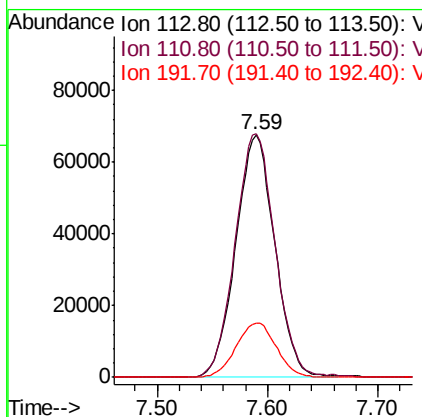
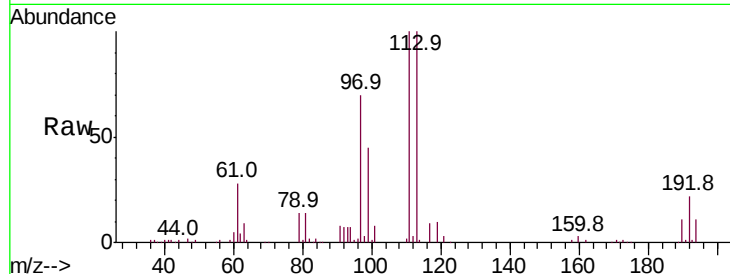
#35
 Dibromofluoromethane
 Concen: 50.572 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	165760		
111	102.4	81.9	122.9	
192	23.1	18.5	27.7	

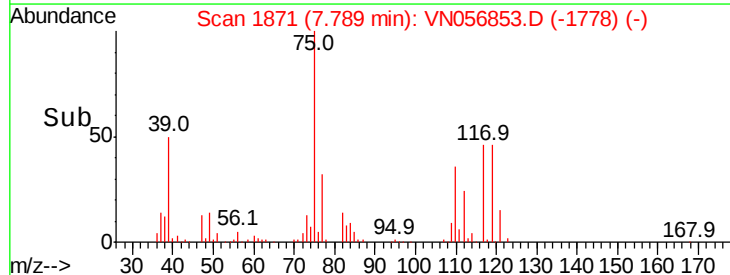
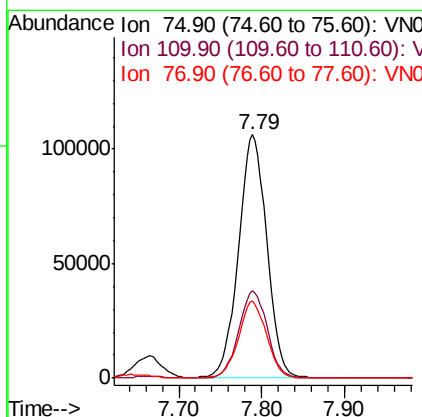
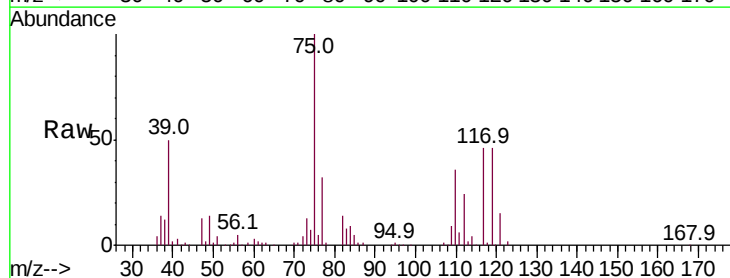
Manual Integrations
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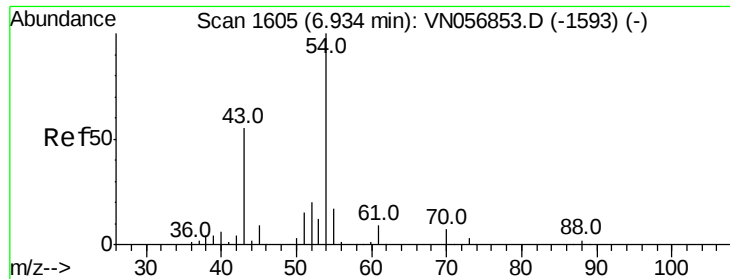
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 51.427 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	253291		
110	35.8	17.9	53.7	
77	31.3	25.0	37.6	





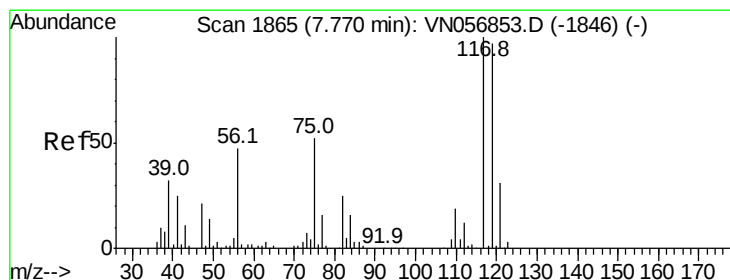
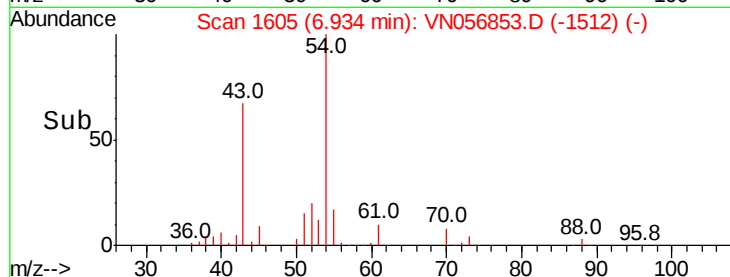
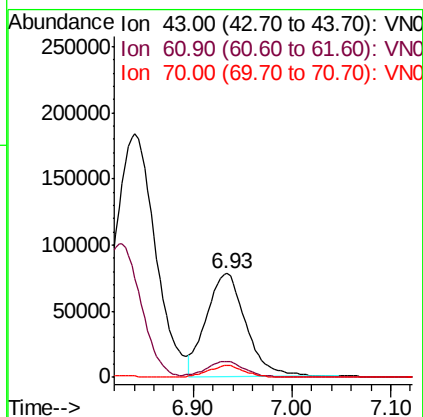
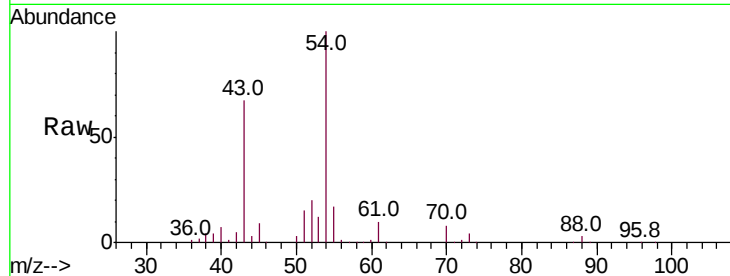
#37
Ethyl Acetate
Concen: 46.465 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	10.8	8.6	13.0

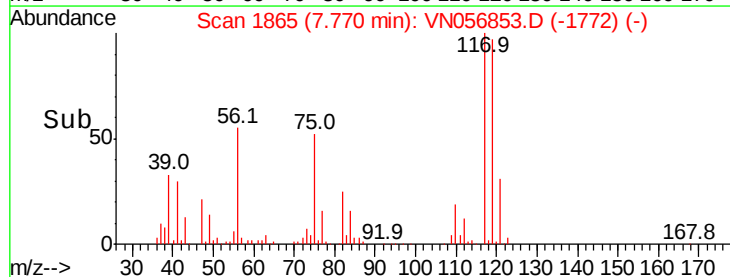
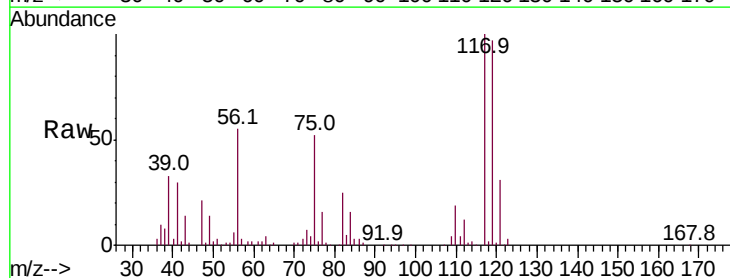
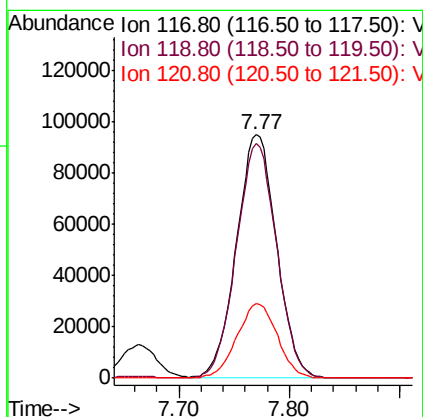
Manual Integrations
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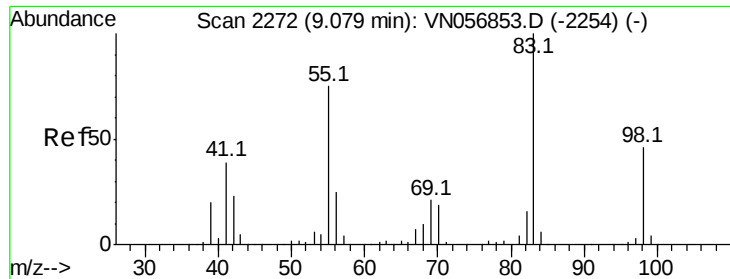
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.953 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.2	115.8
121	30.6	24.5	36.7





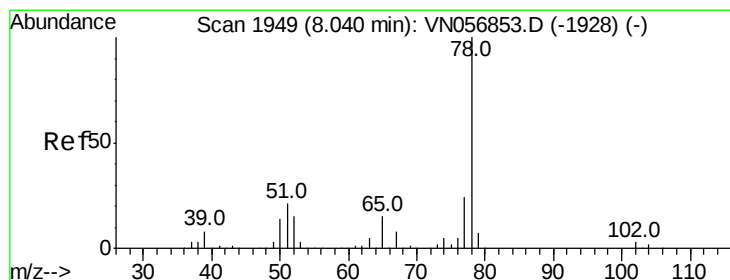
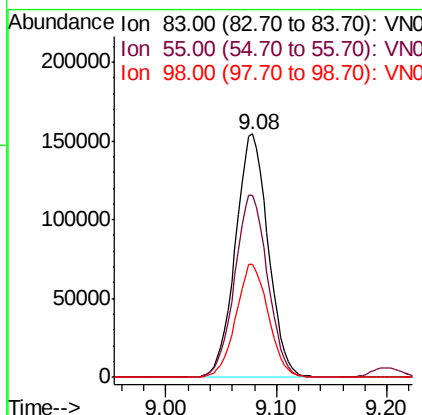
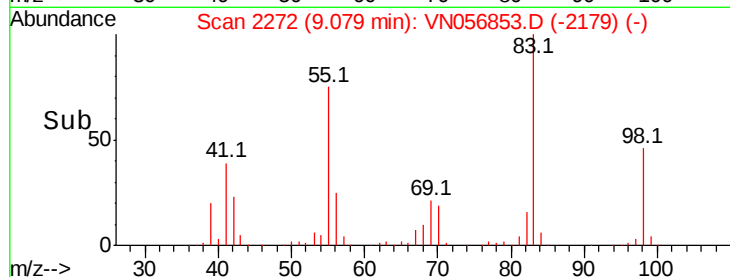
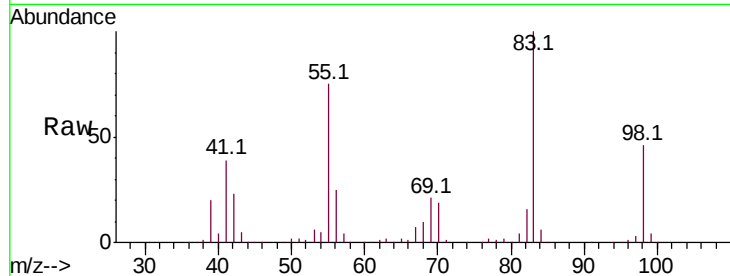
#39
Methvlcvclohexane
Concen: 52.180 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	59.8	89.8
98	46.4	37.1	55.7

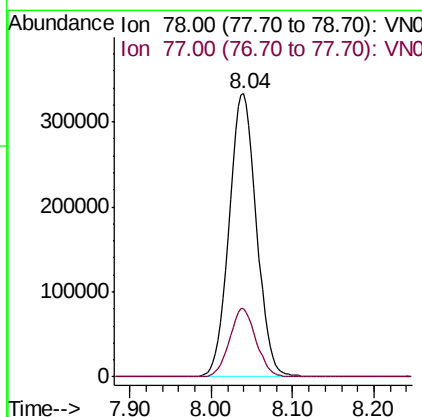
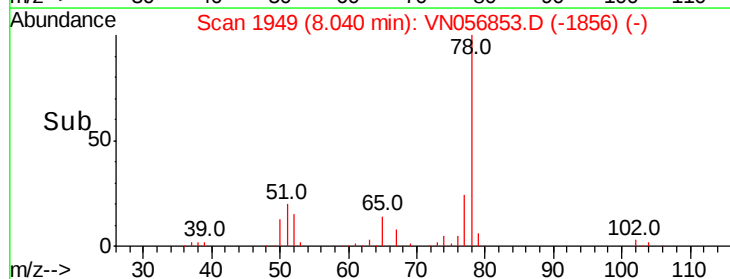
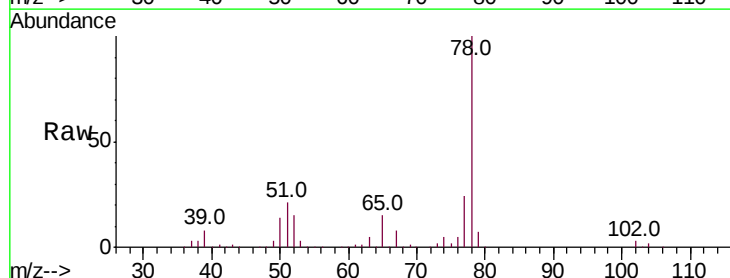
Manual Integrations
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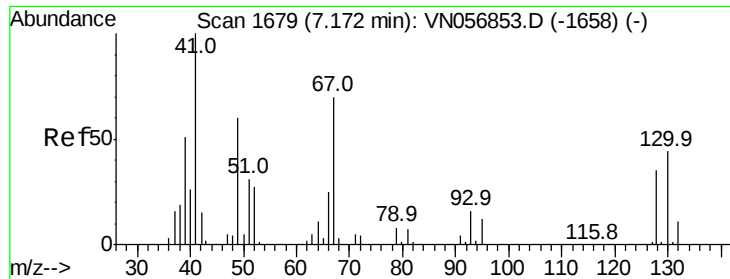
MMDadoda
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#40
Benzene
Concen: 51.873 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





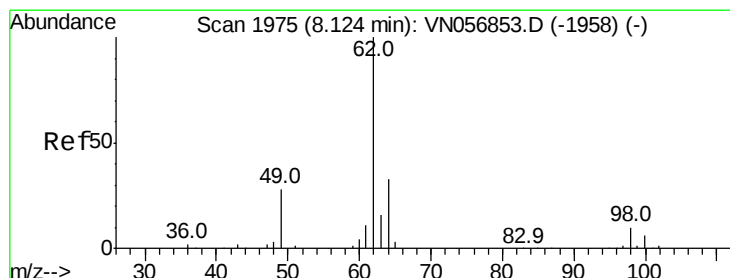
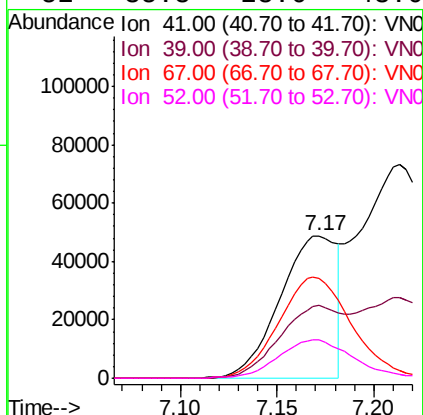
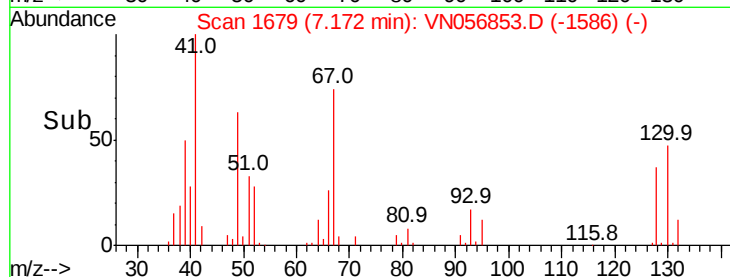
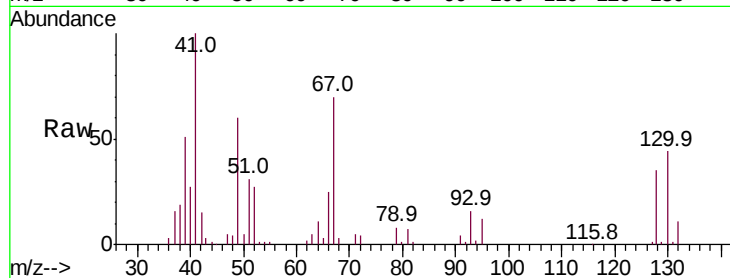
#41
Methacrylonitrile
Concen: 47.953 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.0	66.0
67	91.9	73.5	110.3
52	35.8	28.6	43.0

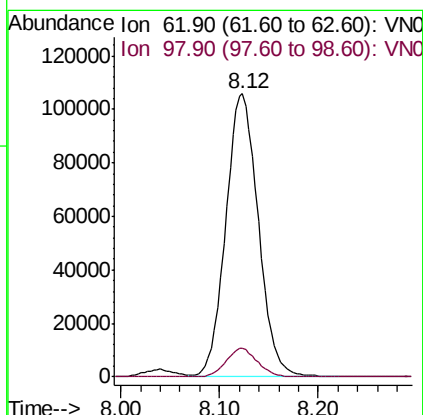
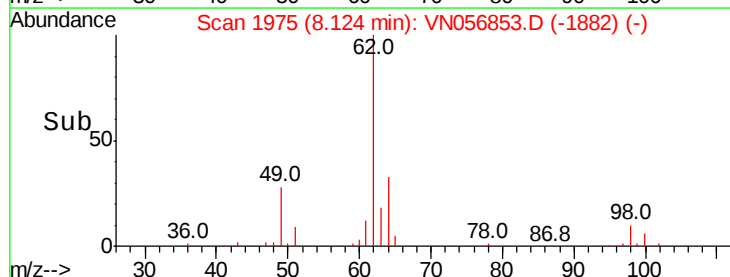
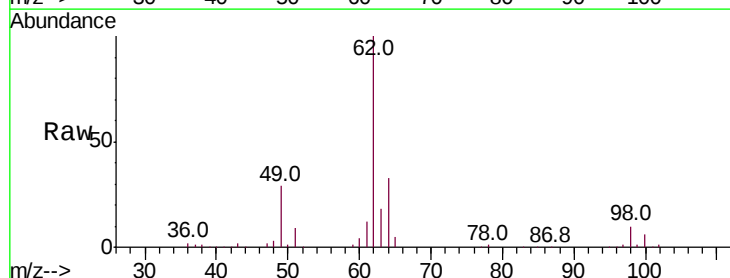
Manual Integrations
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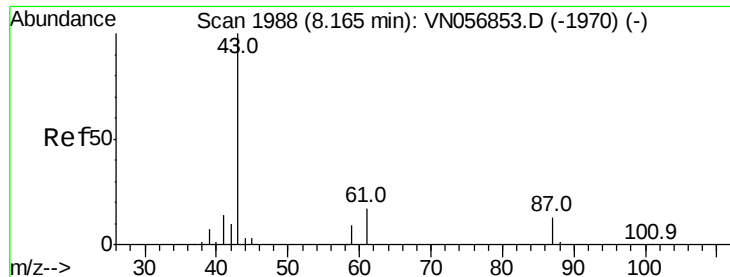
MMDadoda
7/25/2019 3:01:18 PM



#42
1,2-Dichloroethane
Concen: 51.056 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





#43

Isopropyl Acetate

Concen: 47.317 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

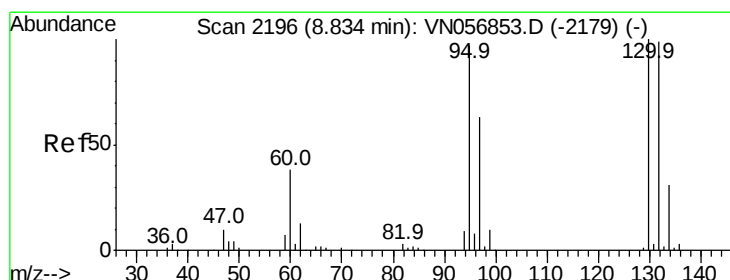
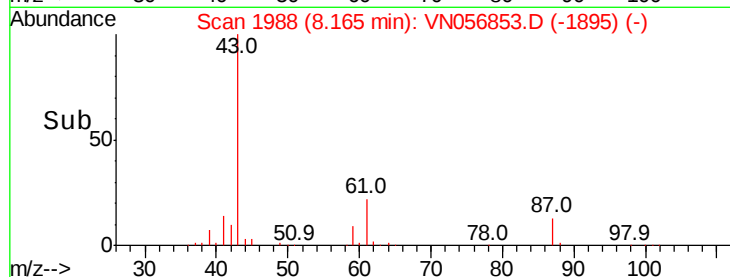
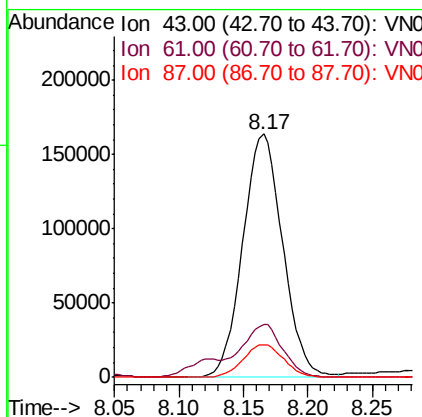
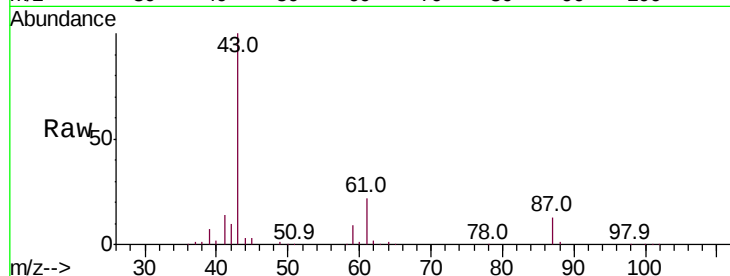
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	351519
Ion	Ratio	Lower	Upper
43	100		
61	22.2	17.8	26.6
87	13.7	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 51.122 ug/l

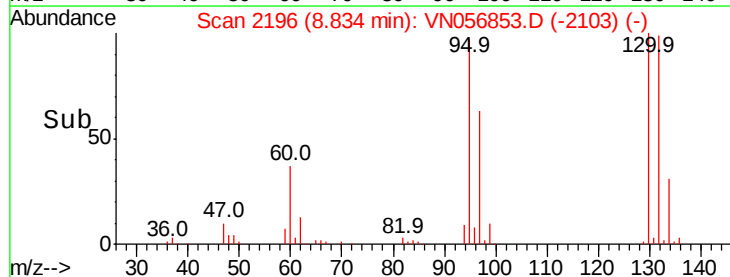
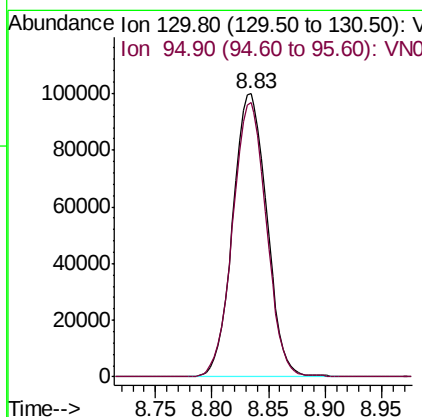
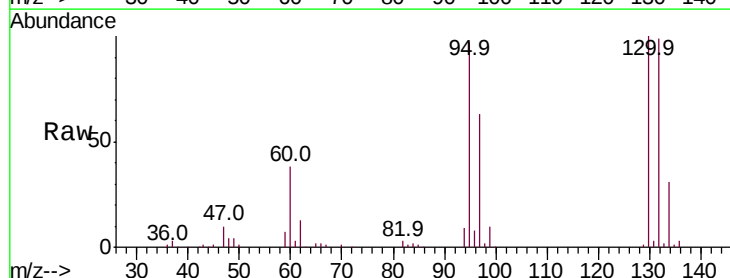
RT: 8.83 min Scan# 2196

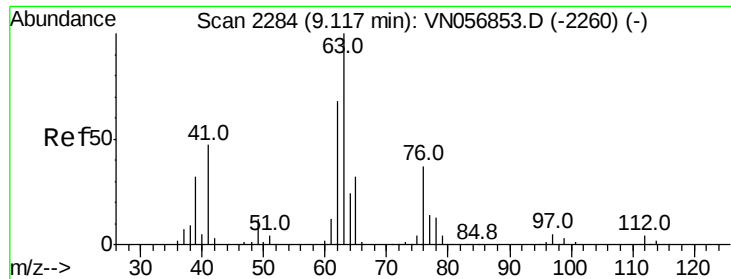
Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Tgt Ion:	130	Resp:	209664
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	194.0





#45

1,2-Dichloropropane

Concen: 51.874 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 207471

Ion Ratio Lower Upper

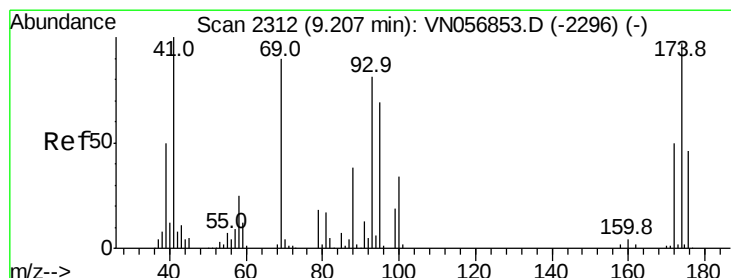
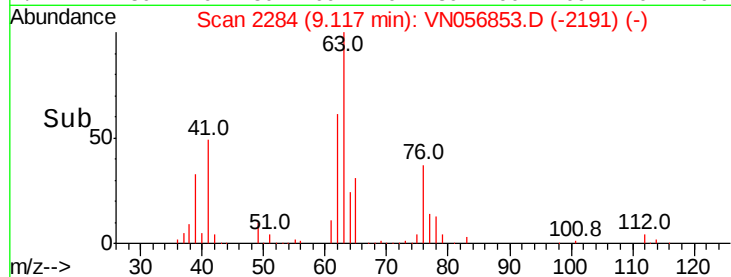
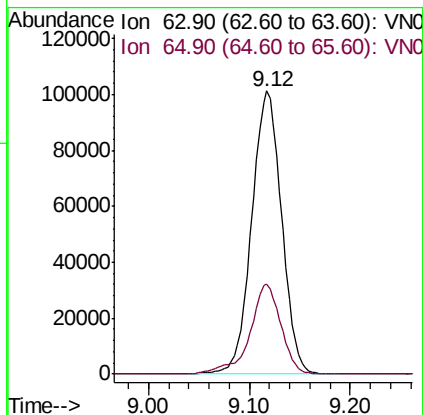
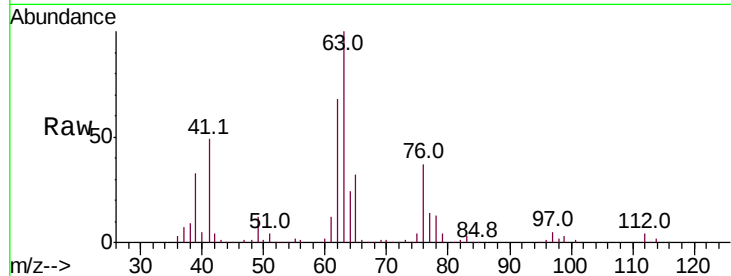
63 100

65 31.7 25.4 38.0

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#46

Dibromomethane

Concen: 51.923 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

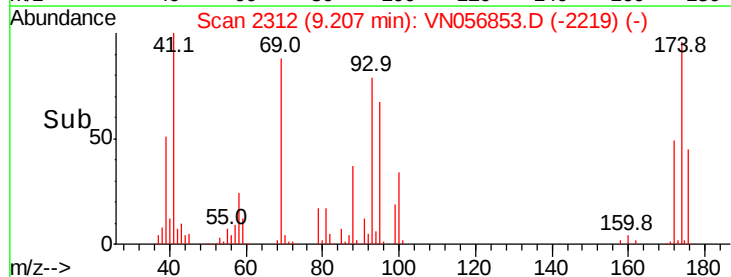
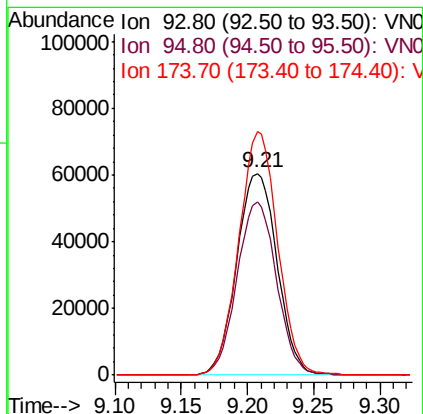
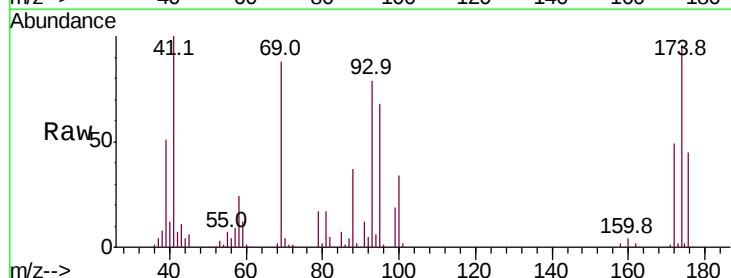
Tgt Ion: 93 Resp: 128306

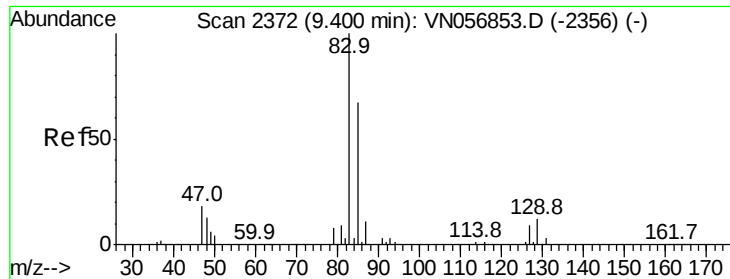
Ion Ratio Lower Upper

93 100

95 84.2 67.4 101.0

174 116.1 92.9 139.3





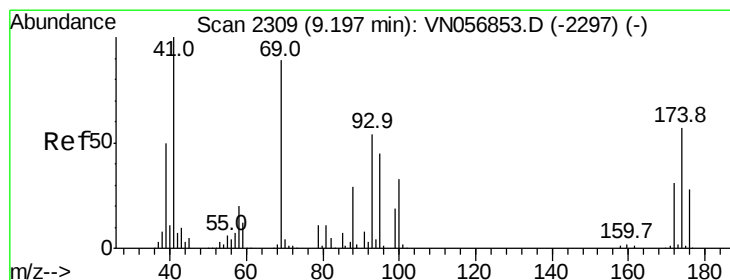
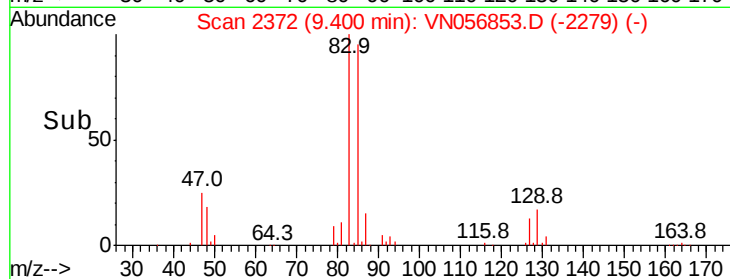
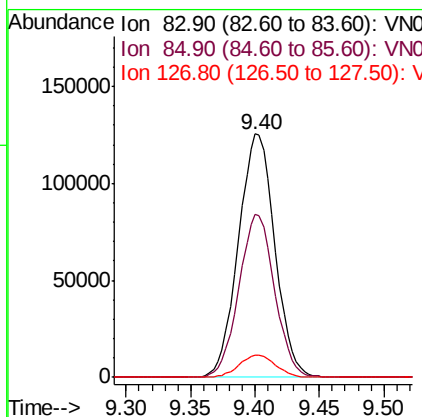
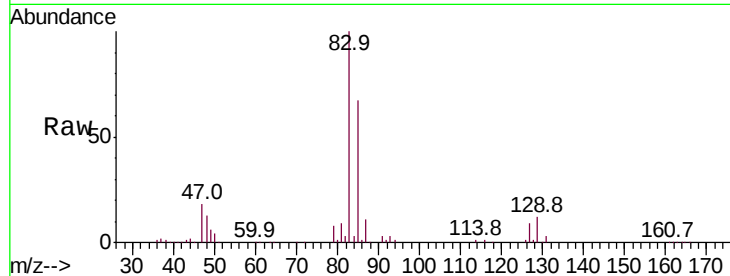
#47
Bromodichloromethane
Concen: 52.500 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.4	80.2
127	9.0	7.2	10.8

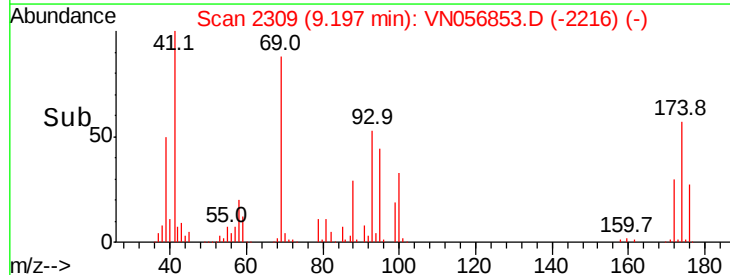
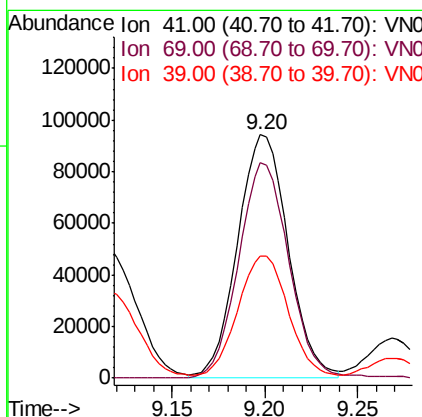
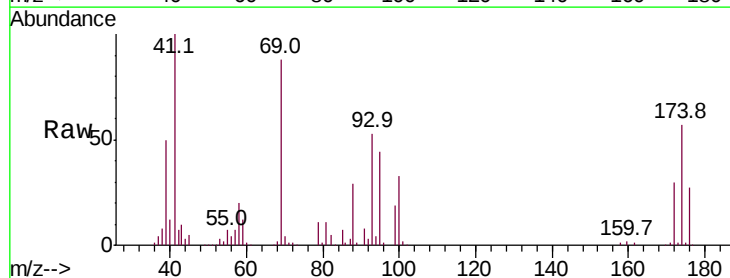
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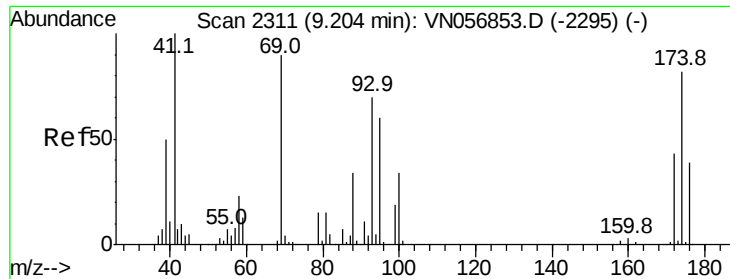
MMDadoda
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#48
Methyl methacrylate
Concen: 49.460 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.9	71.1	106.7
39	50.7	40.6	60.8





#49

1,4-Dioxane

Concen: 958.323 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 88 Resp: 71540

Ion Ratio Lower Upper

88 100

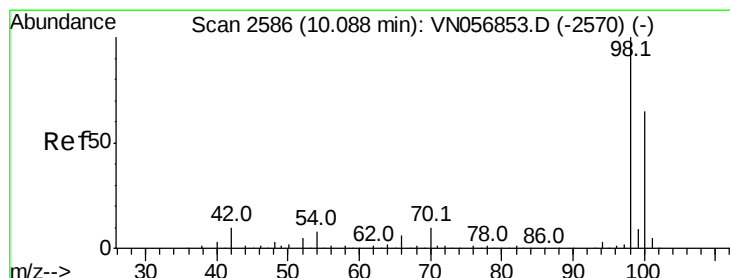
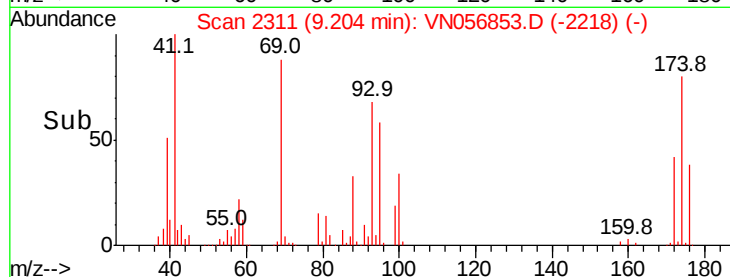
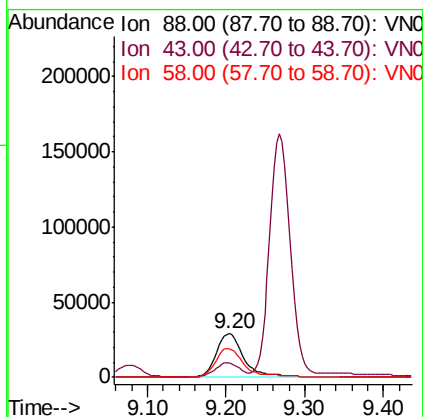
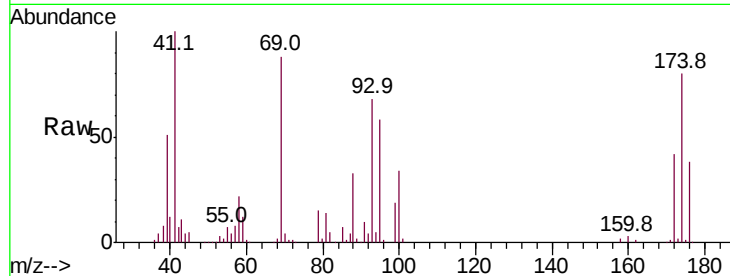
43 26.8 21.4 32.2

58 69.6 55.7 83.5

Manual Integrations
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#50

Toluene-d8

Concen: 50.533 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056853.D

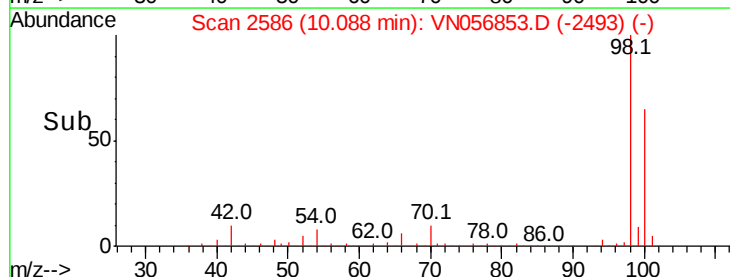
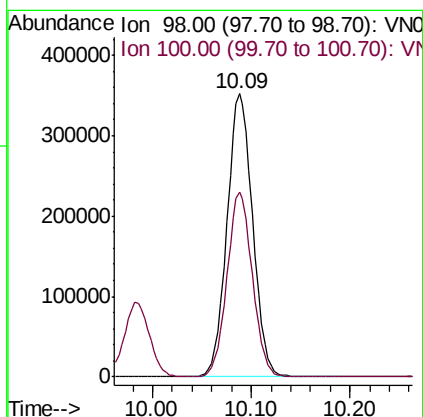
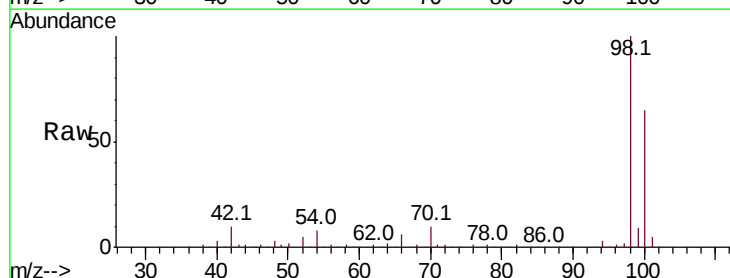
Acq: 22 Jul 2019 13:10

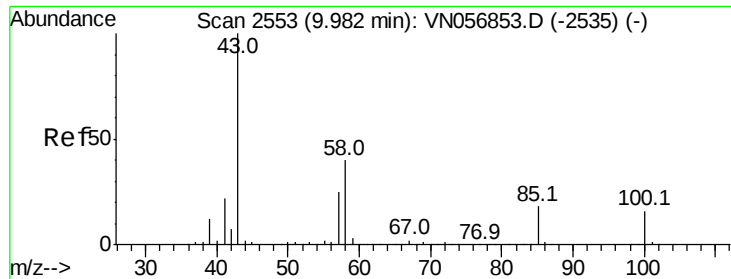
Tgt Ion: 98 Resp: 639065

Ion Ratio Lower Upper

98 100

100 64.4 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 224.539 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1071749

Ion Ratio Lower Upper

43 100

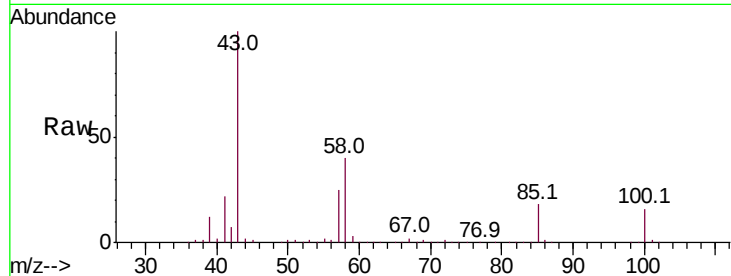
58 40.5 32.4 48.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

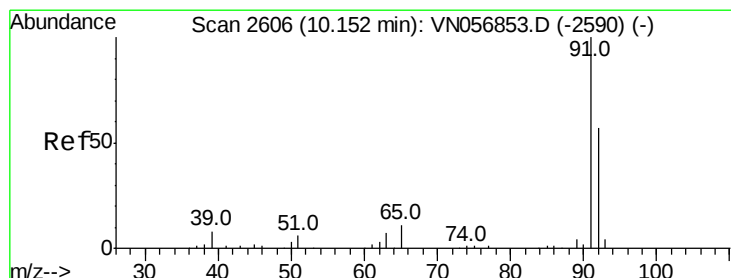
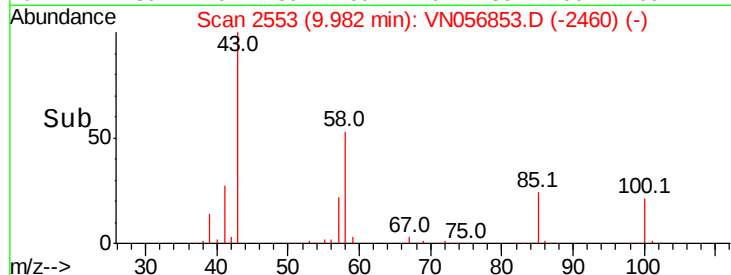
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 53.666 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056853.D

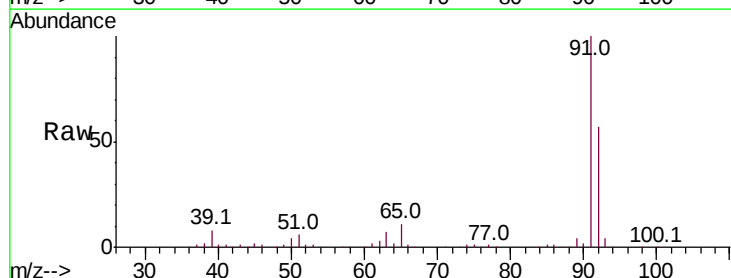
Acq: 22 Jul 2019 13:10

Tgt Ion: 92 Resp: 481525

Ion Ratio Lower Upper

92 100

91 175.7 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

500000

400000

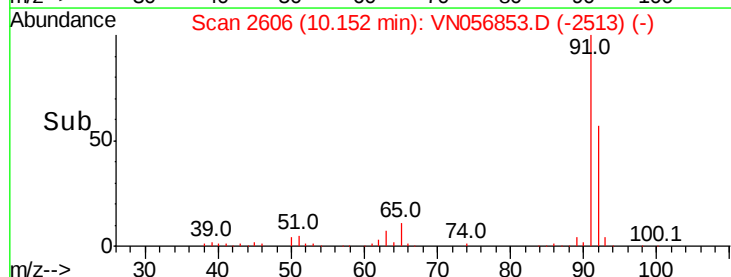
300000

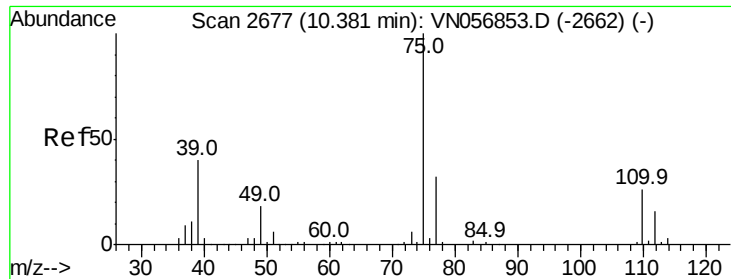
200000

100000

0

Time-->





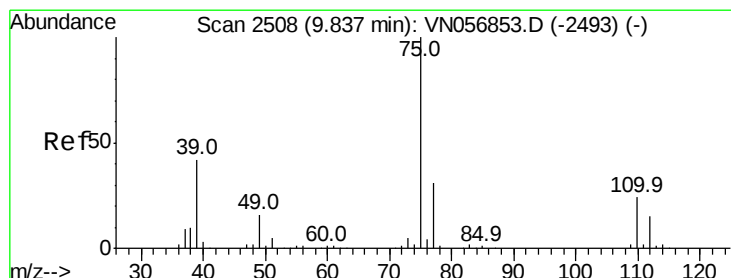
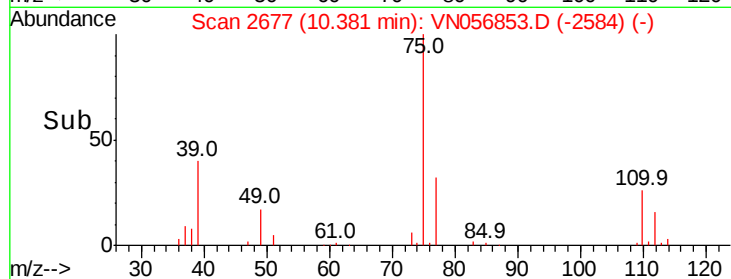
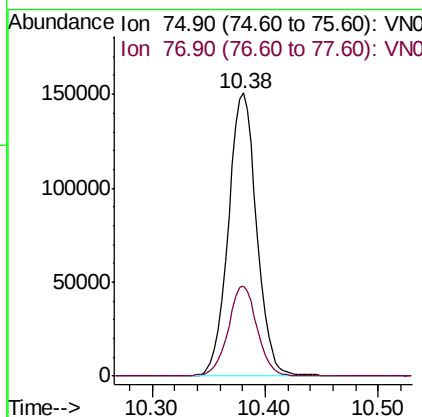
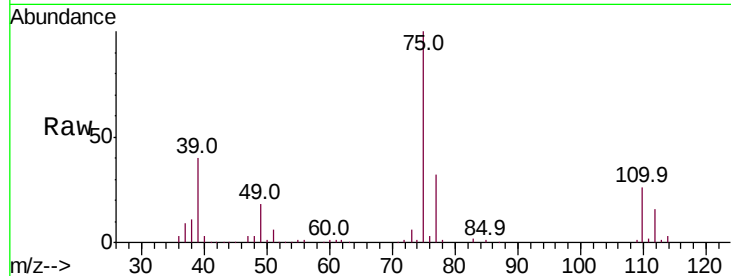
#53
t-1,3-Dichloropropene
Concen: 53.661 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 262646
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

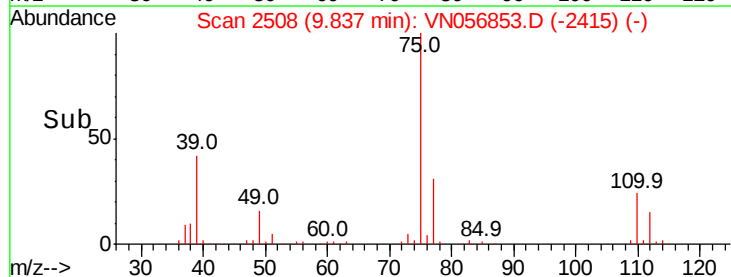
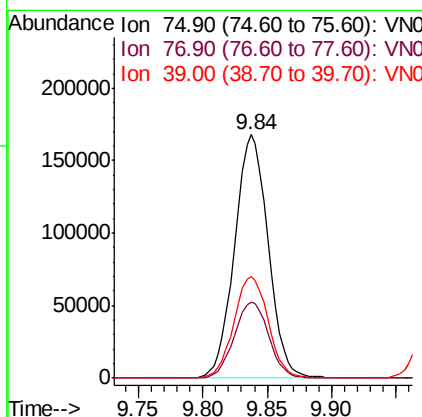
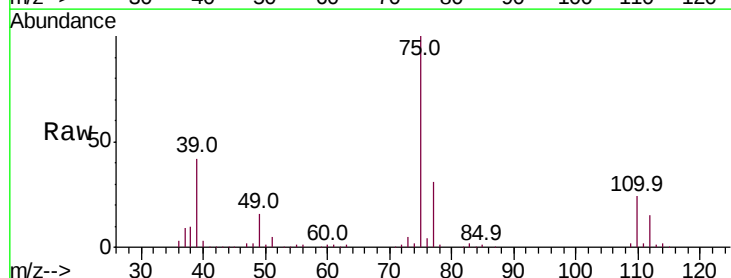
Manual Integrations
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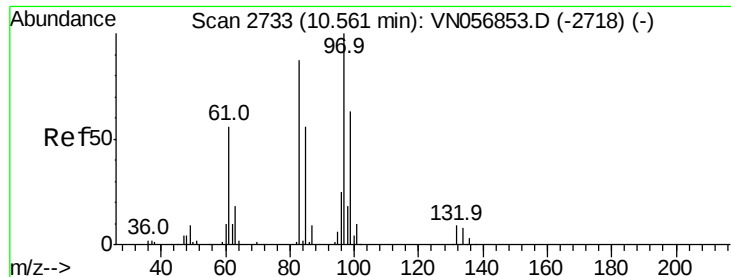
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 53.450 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Tgt Ion: 75 Resp: 304406
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 41.8 33.4 50.2





#55

1,1,2-Trichloroethane

Concen: 49.638 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 185129

Ion Ratio Lower Upper

97 100

83 87.5 70.0 105.0

85 56.4 45.1 67.7

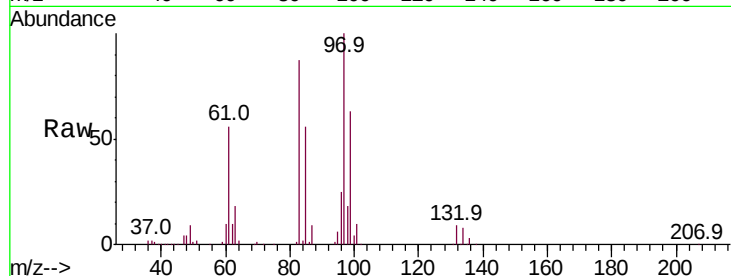
99 62.8 50.2 75.4

Manual Integrations

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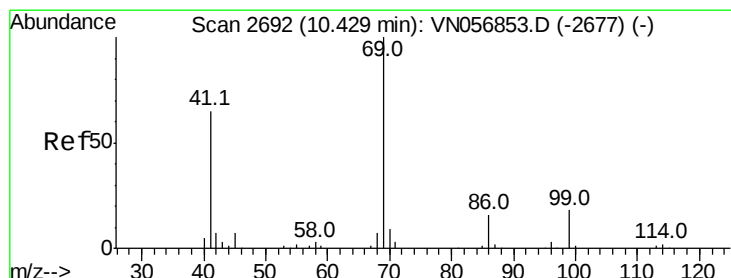
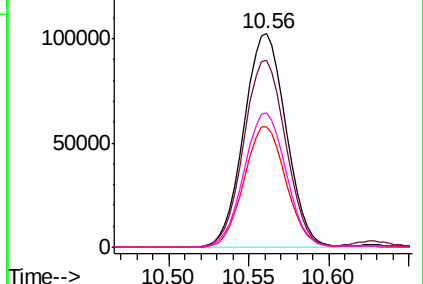
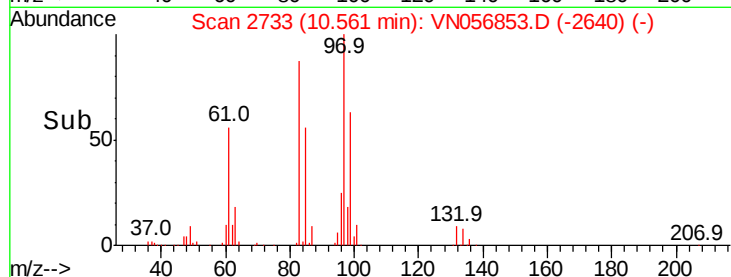
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.408 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

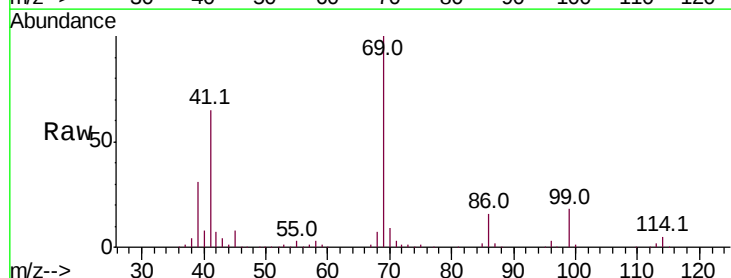
Tgt Ion: 69 Resp: 272712

Ion Ratio Lower Upper

69 100

41 63.8 51.0 76.6

39 30.6 24.5 36.7

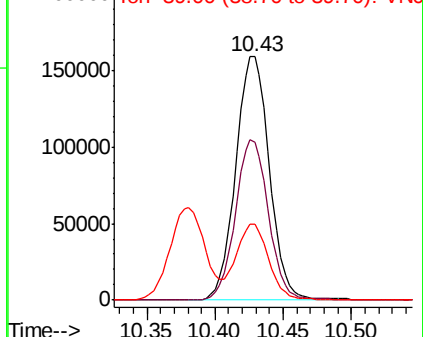
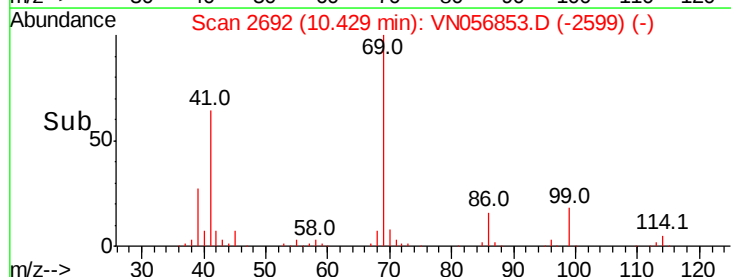


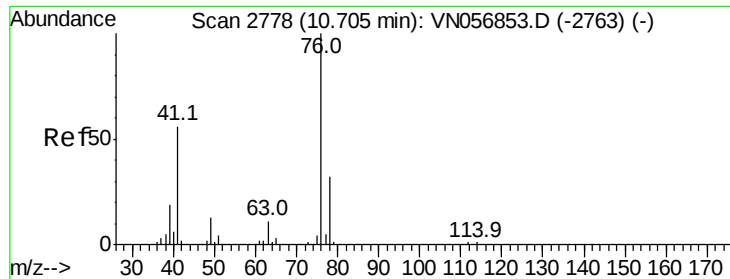
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





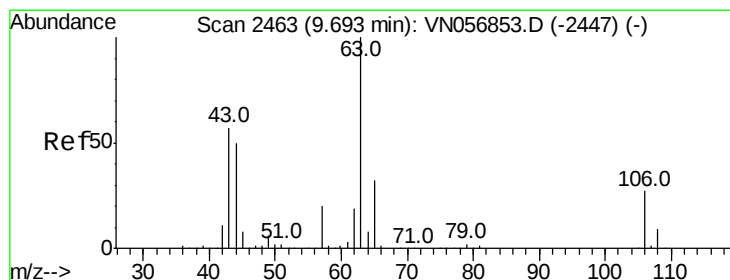
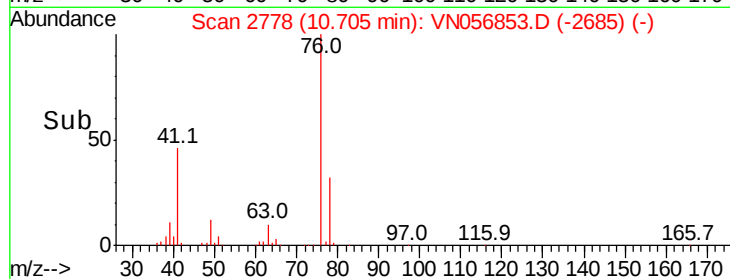
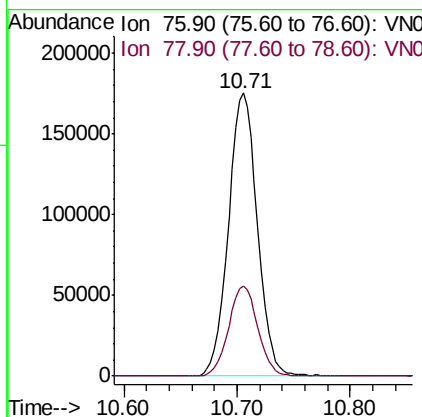
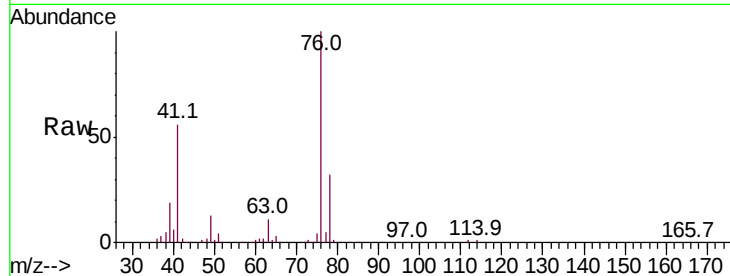
#57
 1,3-Dichloropropane
 Concen: 51.053 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 311365
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

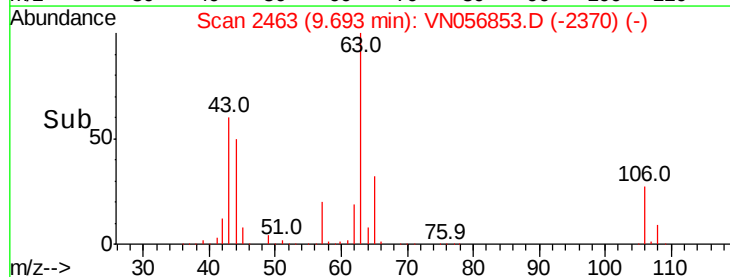
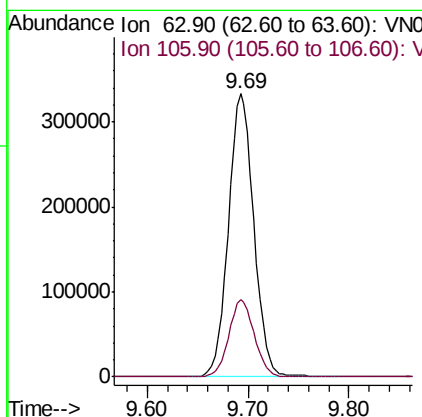
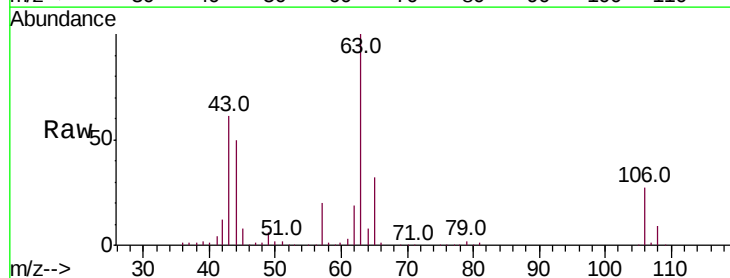
Manual Integrations
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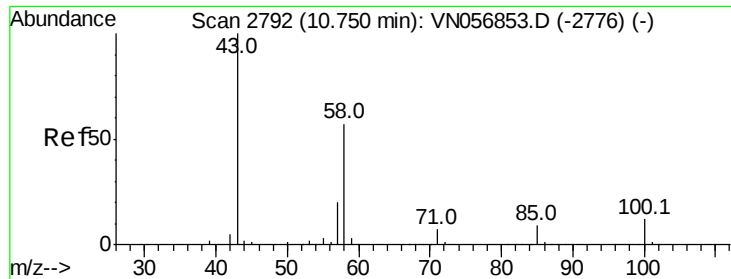
MMDadoda
 7/25/2019 3:01:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.727 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Tgt Ion: 63 Resp: 583891
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.8 32.8





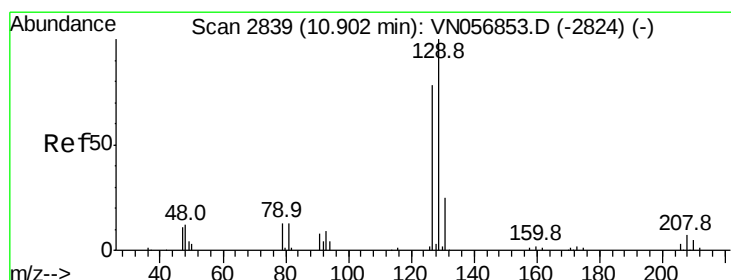
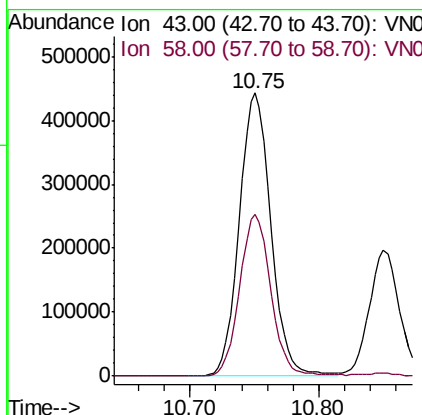
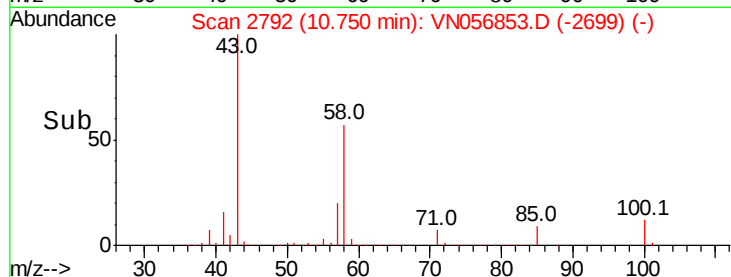
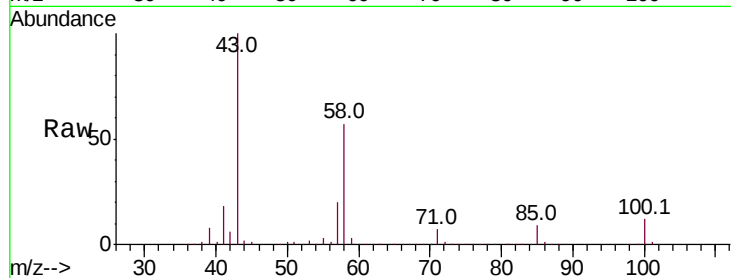
#59
2-Hexanone
Concen: 221.907 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 752615
Ion Ratio Lower Upper
43 100
58 56.7 28.3 85.0

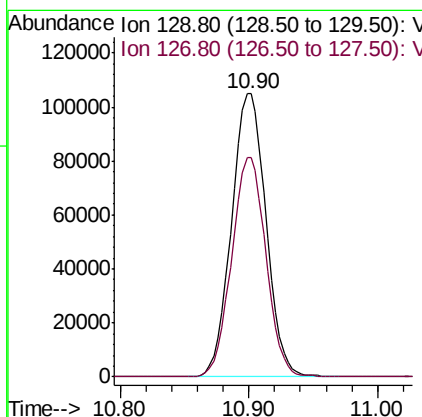
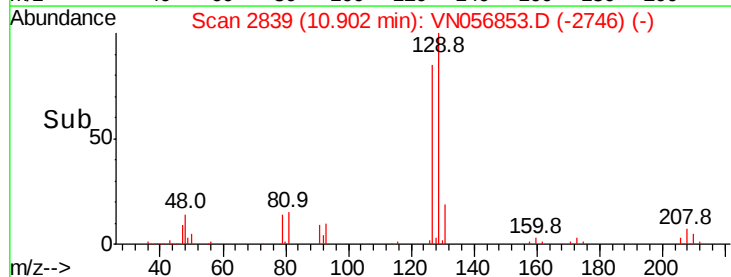
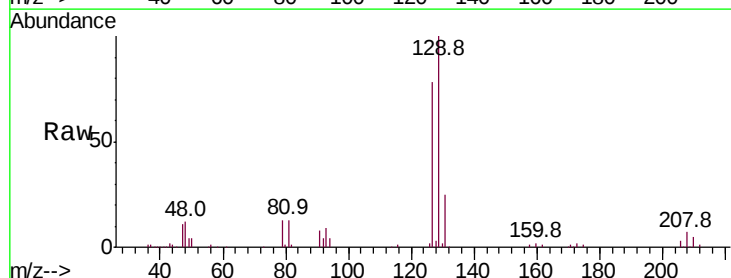
Manual Integrations
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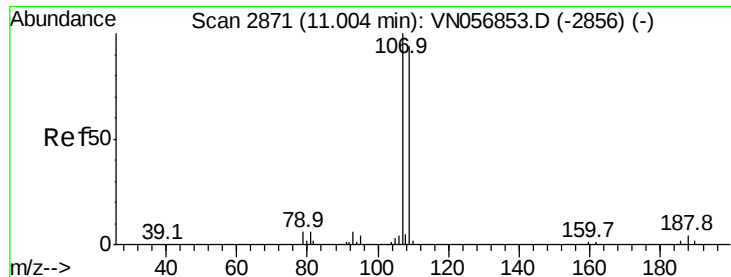
MMDadoda
7/25/2019 3:01:18 PM



#60
Dibromochloromethane
Concen: 53.021 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Tgt Ion: 129 Resp: 194734
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.200 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 193657

Ion Ratio Lower Upper

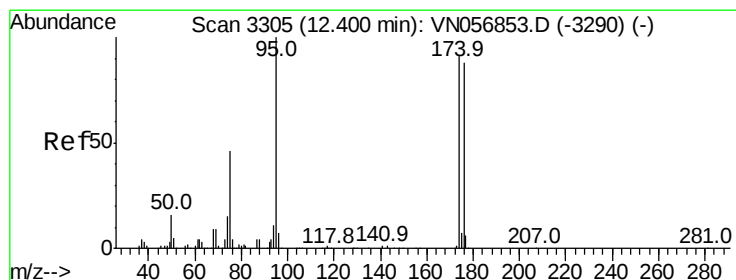
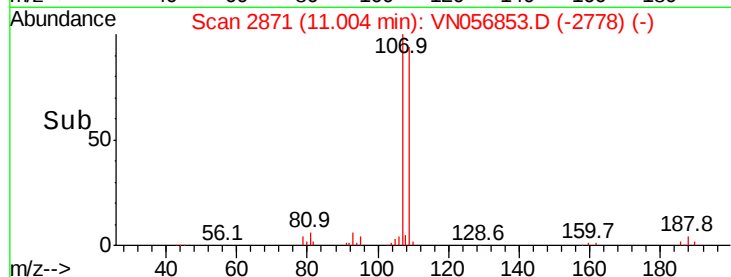
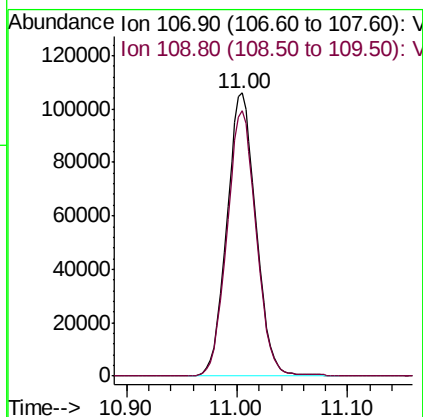
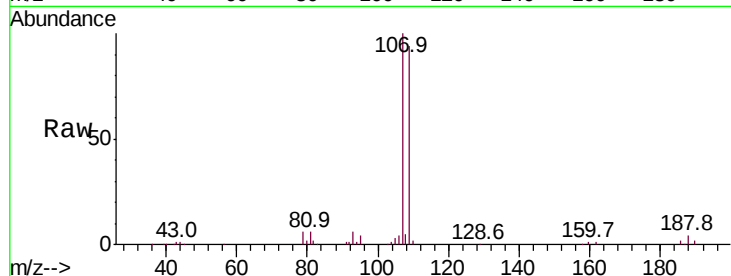
107 100

109 94.1 75.3 112.9

Manual Integrations
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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 50.411 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

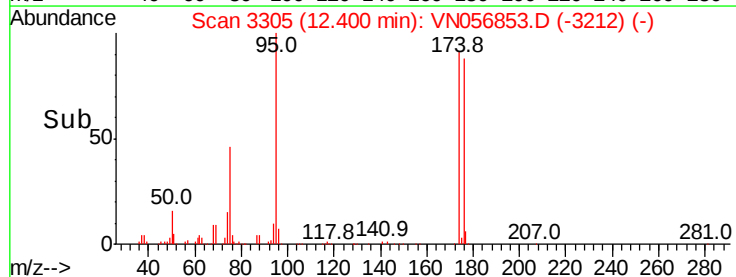
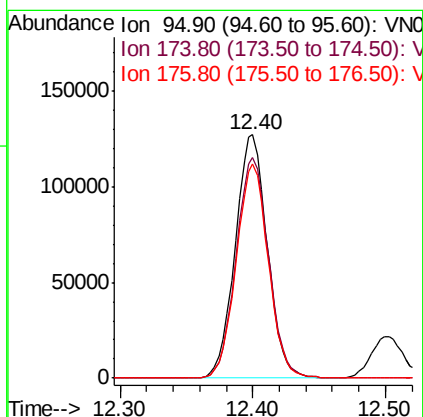
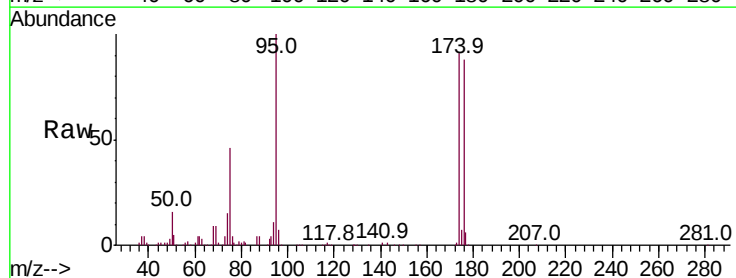
Tgt Ion: 95 Resp: 213926

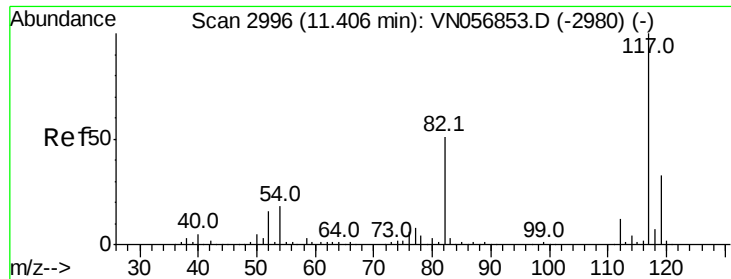
Ion Ratio Lower Upper

95 100

174 91.7 0.0 183.4

176 87.9 0.0 175.8





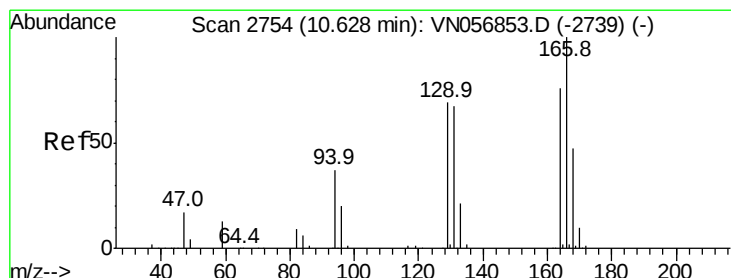
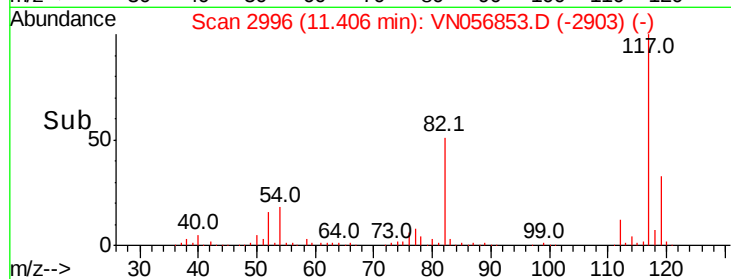
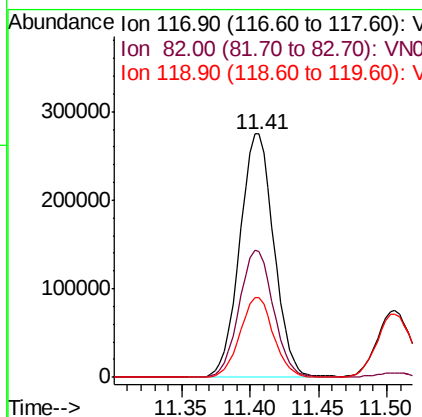
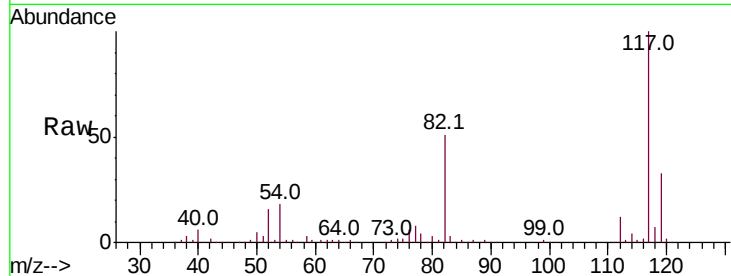
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.2	61.8
119	33.0	26.4	39.6

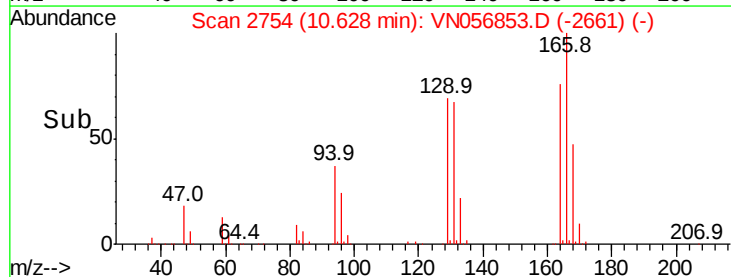
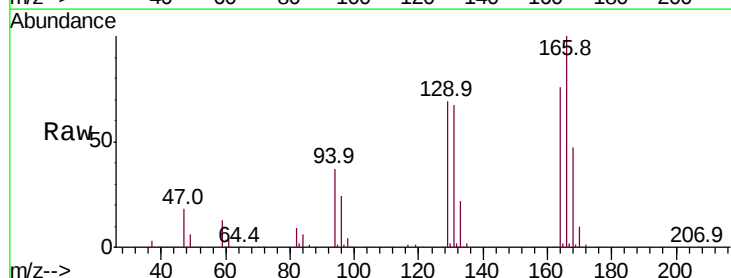
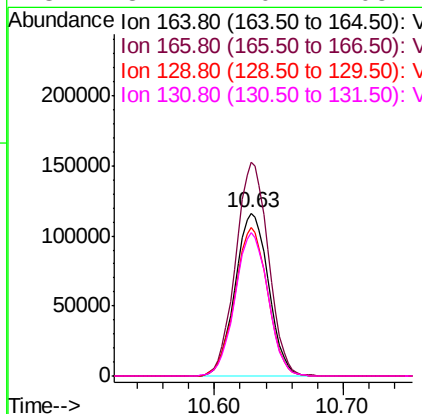
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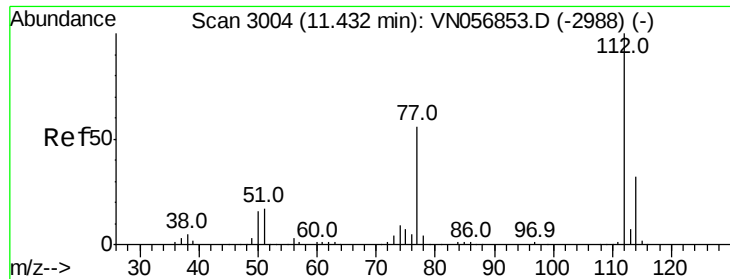
MMDadoda
7/25/2019 3:01:18 PM



#64
Tetrachloroethene
Concen: 49.986 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	104.9	157.3
129	91.0	72.8	109.2
131	87.7	70.2	105.2





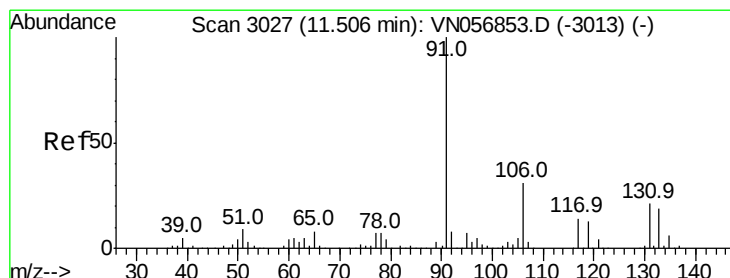
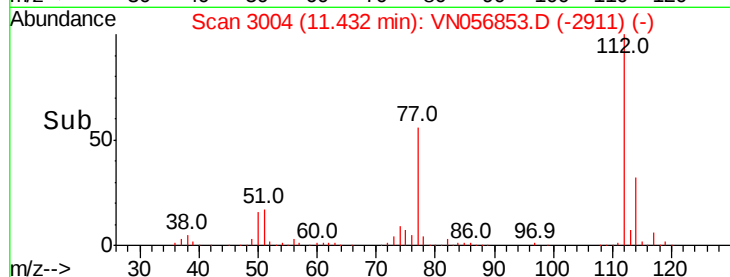
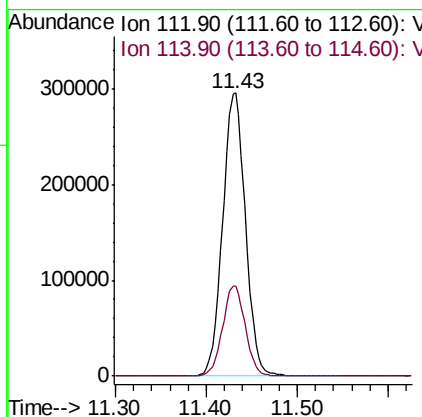
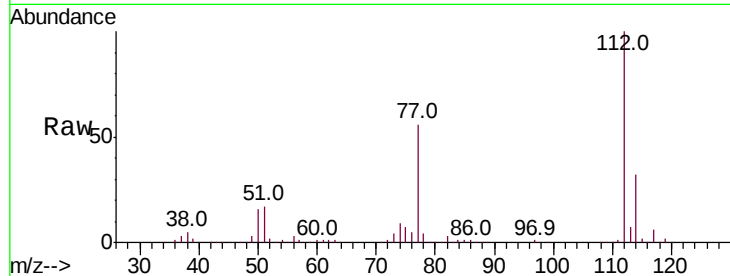
#65
Chlorobenzene
Concen: 51.850 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 514568
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3

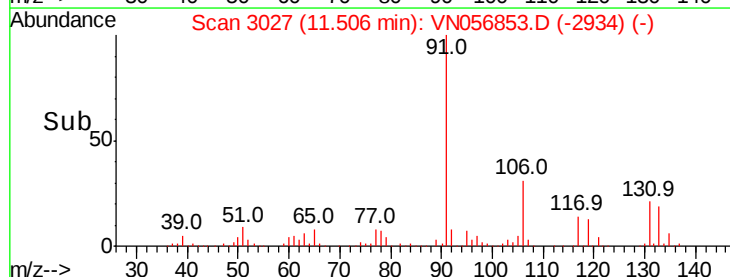
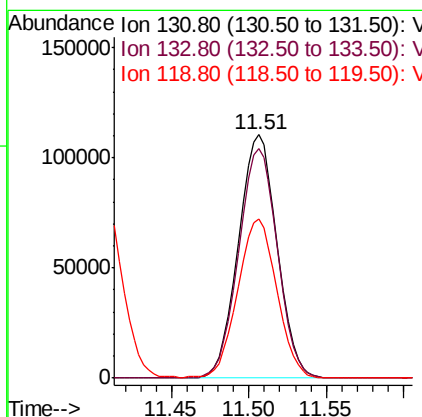
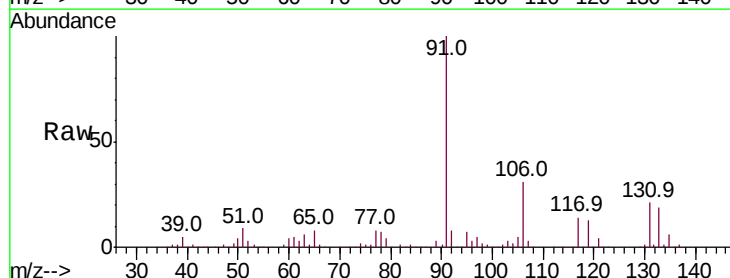
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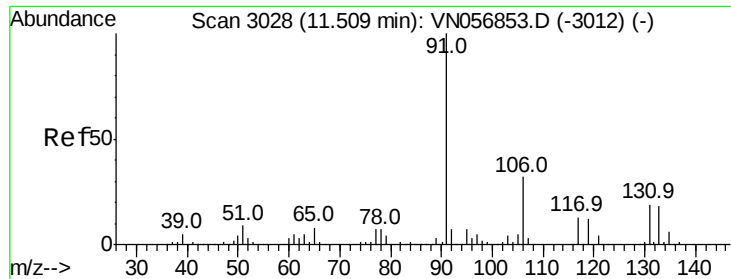
MMDadoda
7/25/2019 3:01:18 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.406 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Tgt Ion:131 Resp: 191361
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.3
119 66.3 33.1 99.5





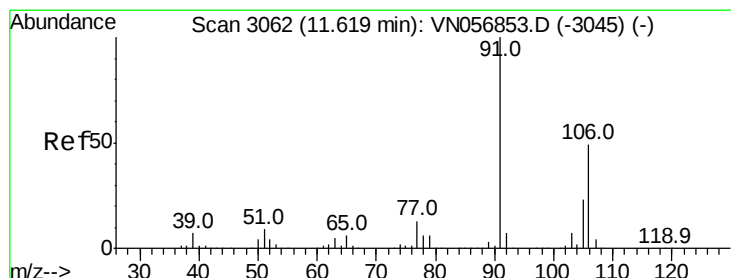
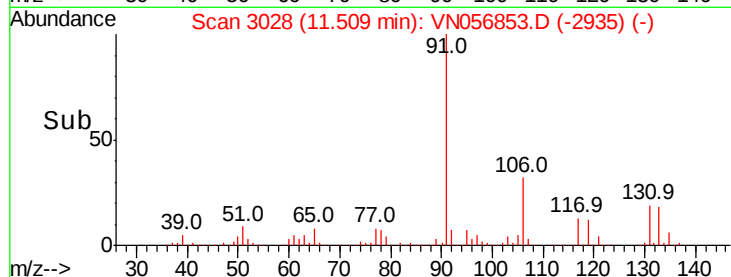
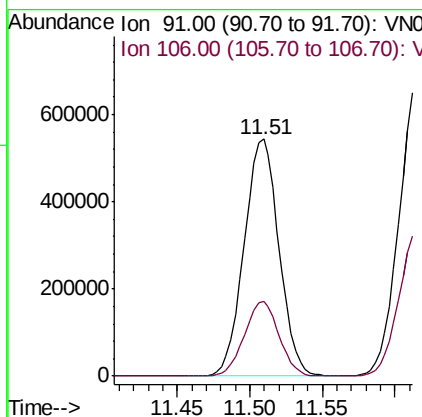
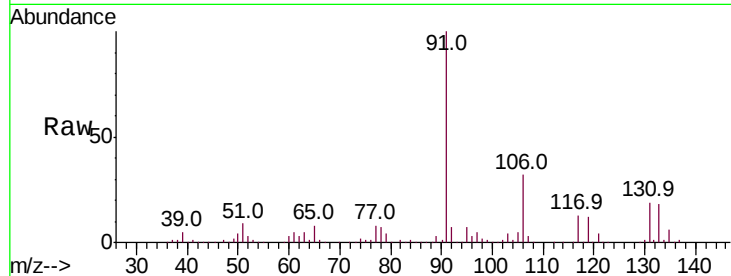
#67
Ethyl Benzene
Concen: 52.246 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 909840
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9

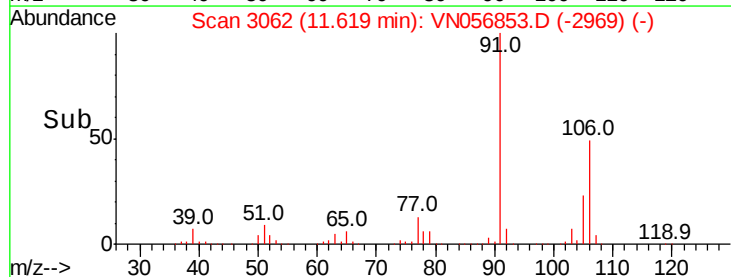
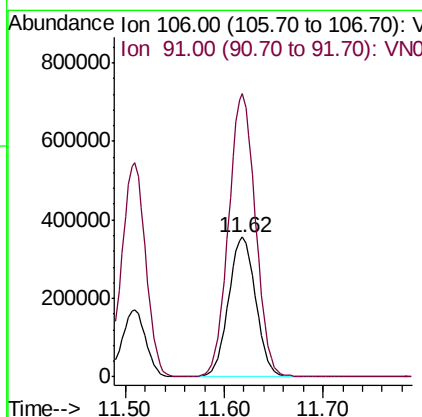
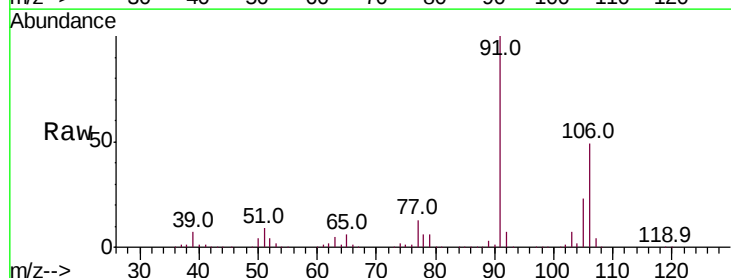
Manual Integrations
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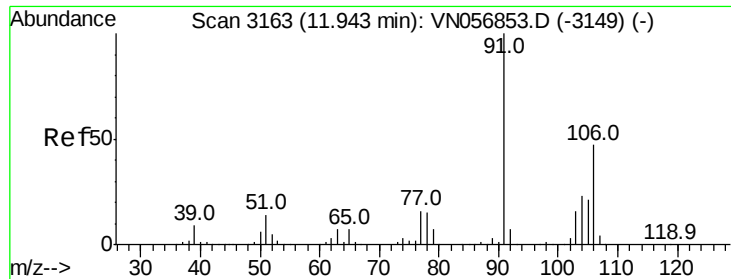
MMDadoda
7/25/2019 3:01:18 PM



#68
m/p-Xylenes
Concen: 105.402 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Tgt Ion: 106 Resp: 685652
Ion Ratio Lower Upper
106 100
91 200.6 160.5 240.7





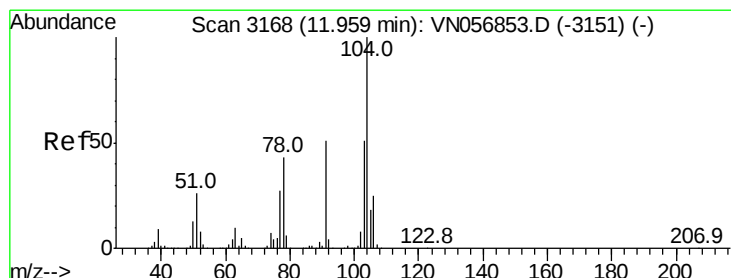
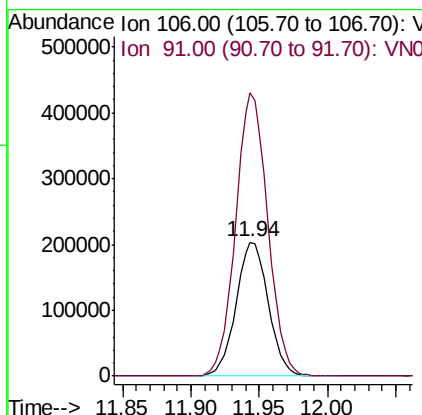
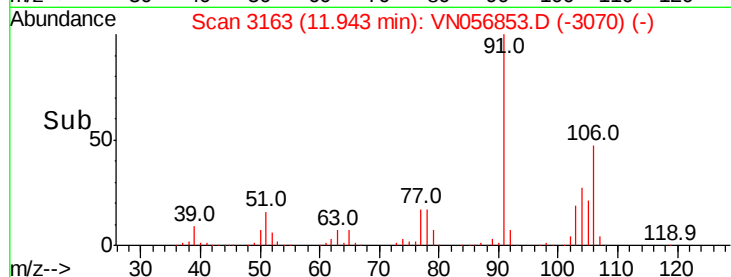
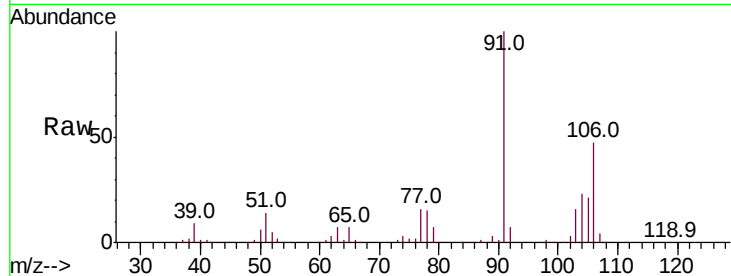
#69
o-Xylene
Concen: 52.284 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.2	105.1	315.3

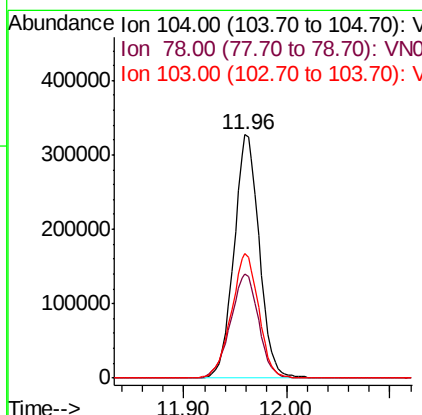
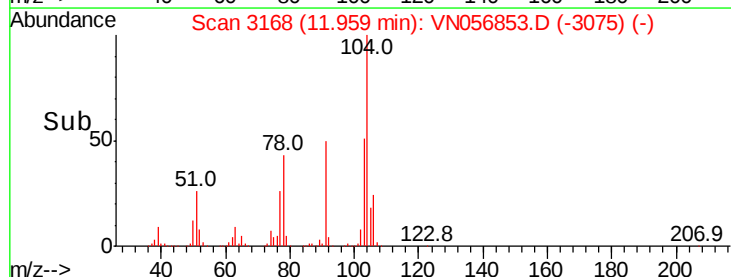
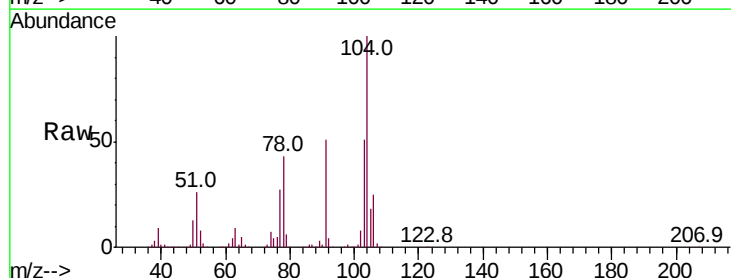
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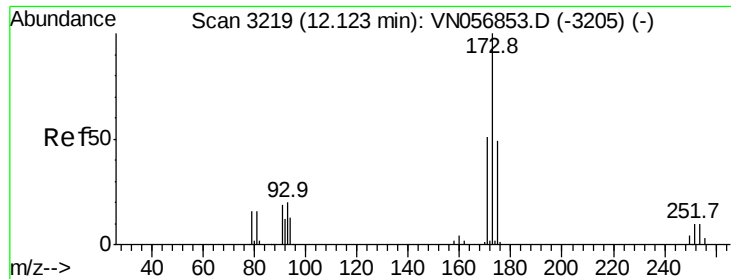
MMDadoda
7/25/2019 3:01:18 PM



#70
Styrene
Concen: 54.210 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	38.1	57.1
103	55.3	44.2	66.4





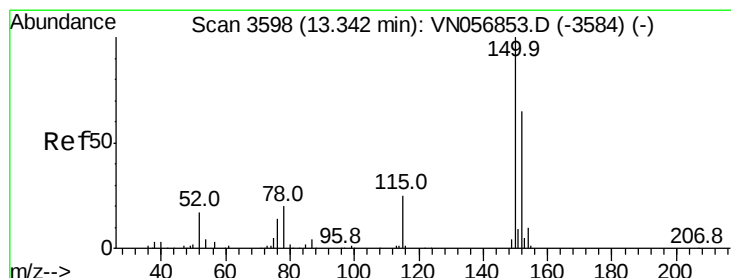
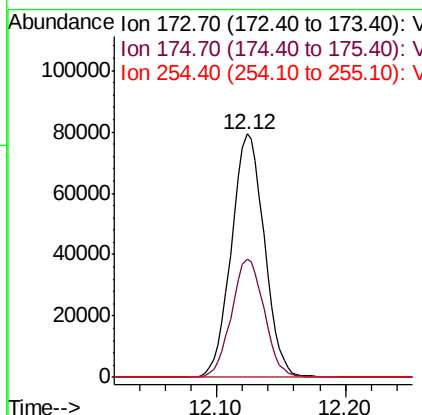
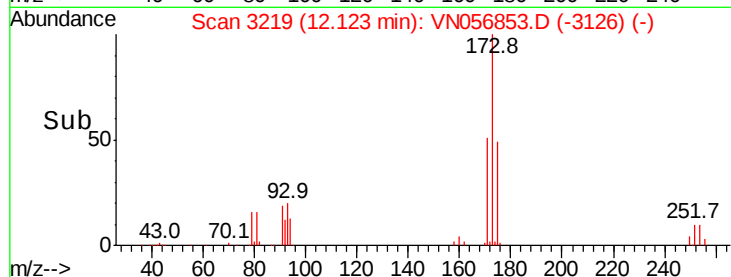
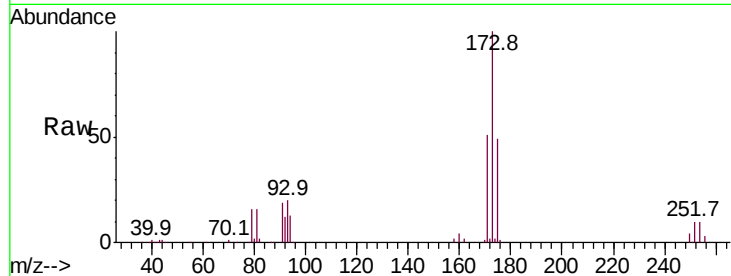
#71
Bromoform
Concen: 51.500 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.1	72.3
254	0.0	0.0	0.0

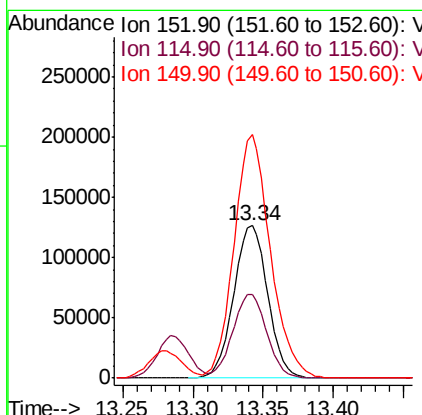
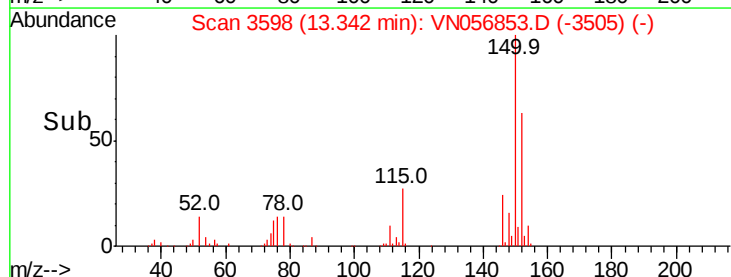
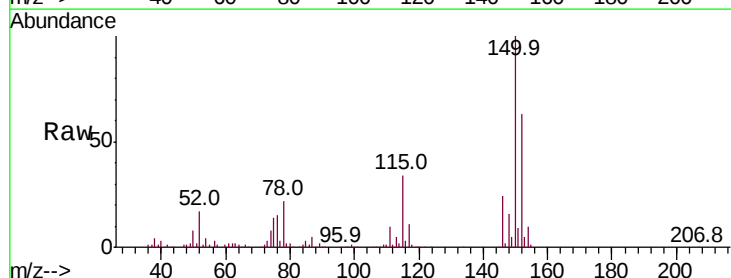
Manual Integrations
APPROVED

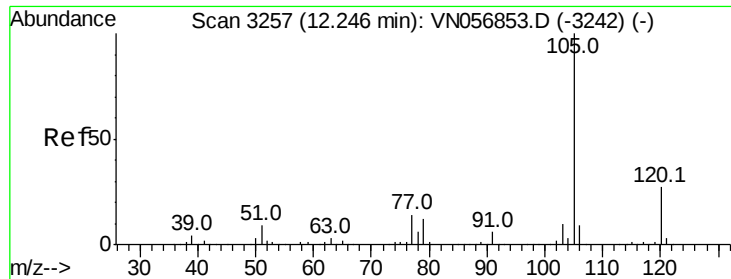
MMDadoda
7/25/2019 3:01:18 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.6	82.7
150	171.5	0.0	343.0





#73

Isopropylbenzene

Concen: 50.561 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 885448

Ion Ratio Lower Upper

105 100

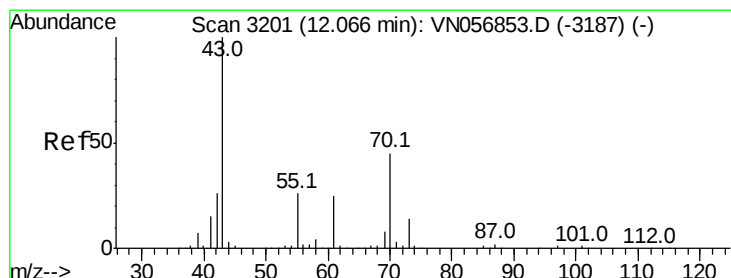
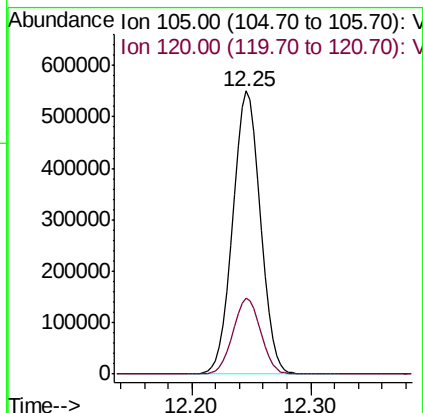
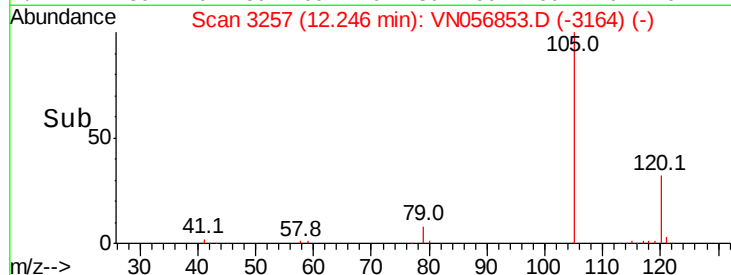
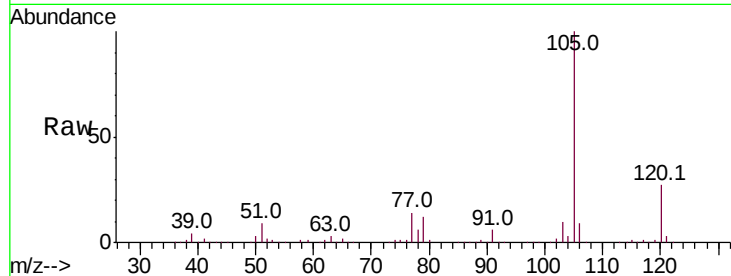
120 26.8 13.4 40.2

Manual Integrations

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MMDadoda

7/25/2019 3:01:18 PM



#74

N-ethyl acetate

Concen: 47.592 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Tgt Ion: 43 Resp: 303546

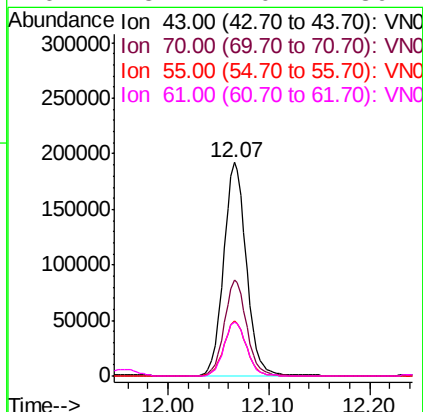
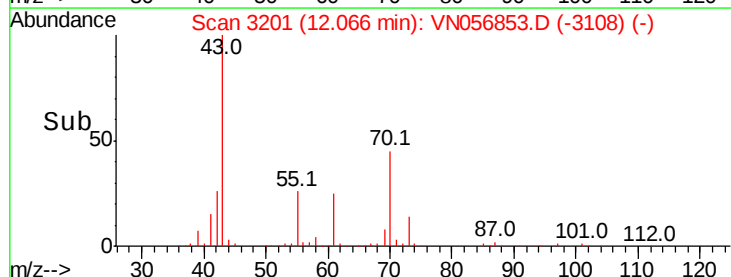
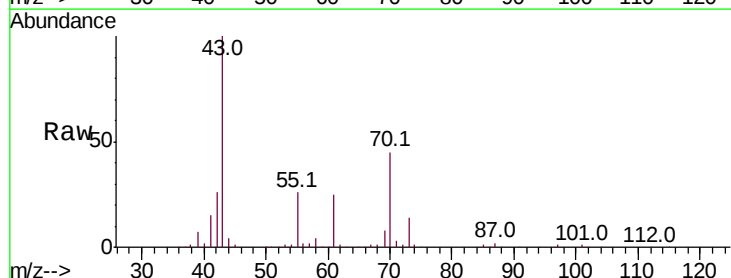
Ion Ratio Lower Upper

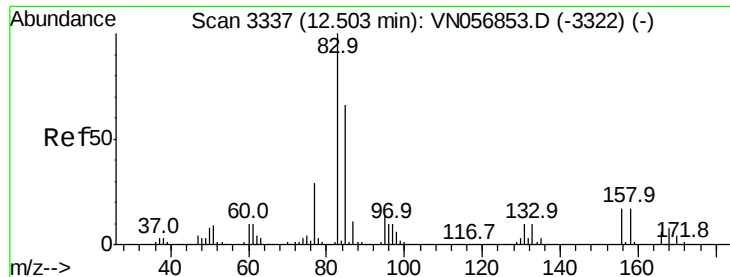
43 100

70 44.1 35.3 52.9

55 25.8 20.6 31.0

61 25.2 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 43.144 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

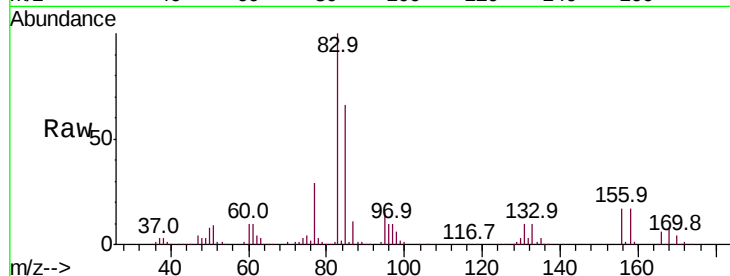
ClientSampleId :

VSTDICCC050

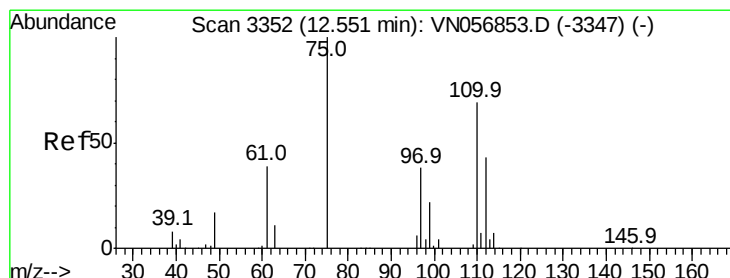
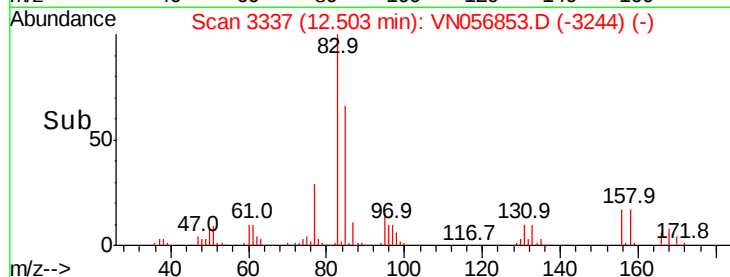
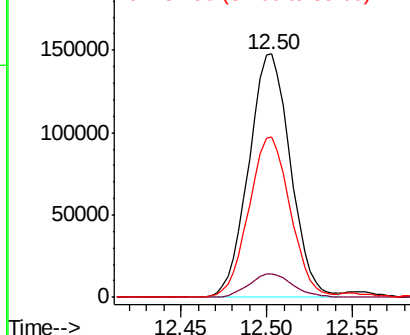
Tot Ion:	83	Resp:	249263
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.4
85	65.5	32.8	98.3

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: 45.842 ug/l m

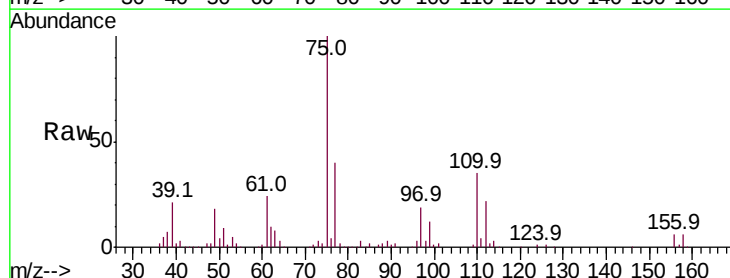
RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

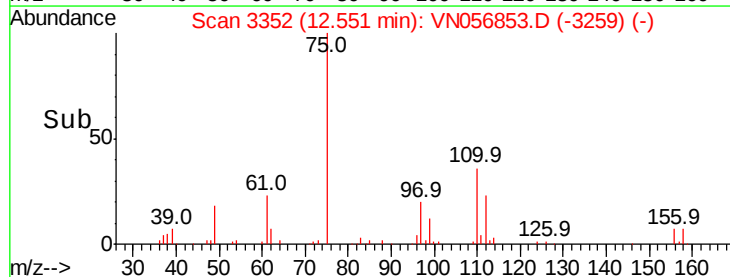
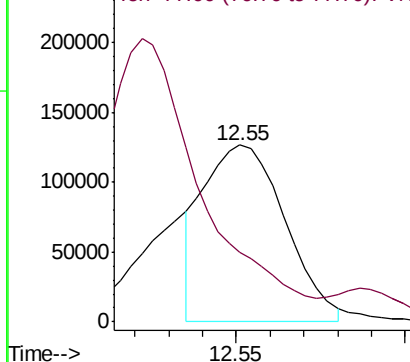
Lab File: VN056853.D

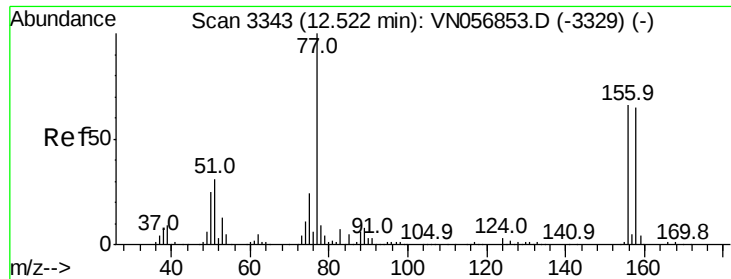
Acq: 22 Jul 2019 13:10

Tgt Ion:	75	Resp:	212662
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: 50.591 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 231558

Ion Ratio Lower Upper

156 100

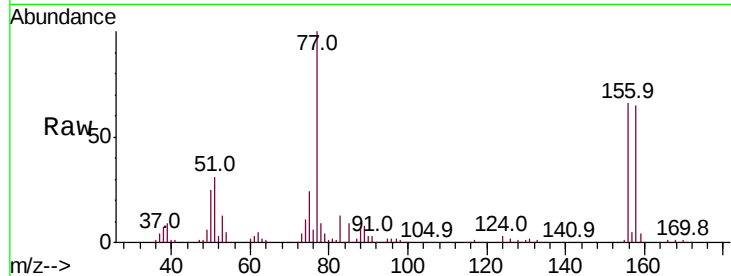
77 181.4 90.7 272.1

158 97.0 48.5 145.5

Manual Integrations
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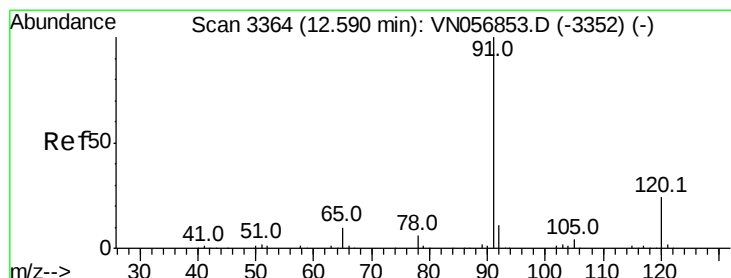
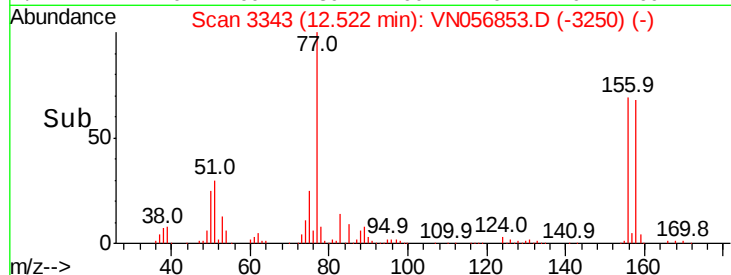
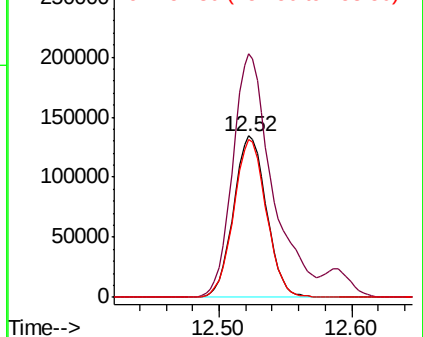
7/25/2019 3:01:18 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.362 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056853.D

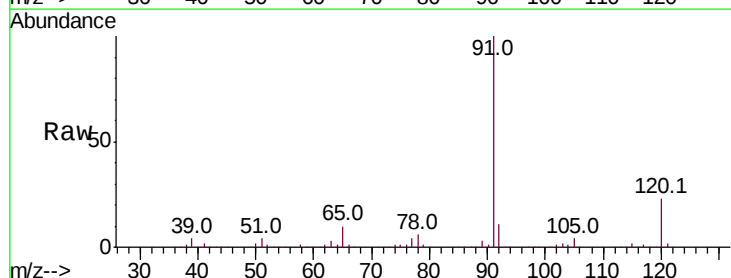
Acq: 22 Jul 2019 13:10

Tgt Ion: 91 Resp: 974219

Ion Ratio Lower Upper

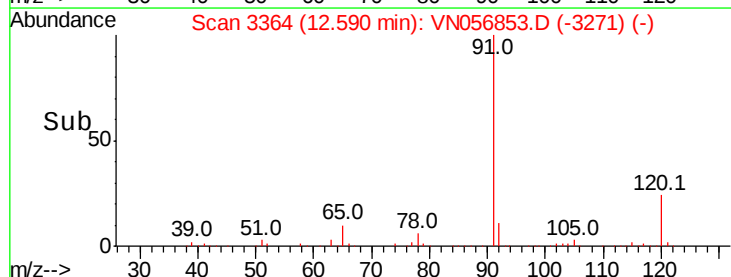
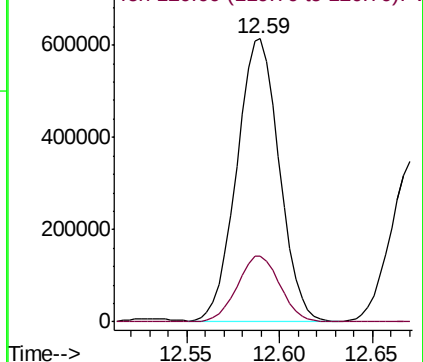
91 100

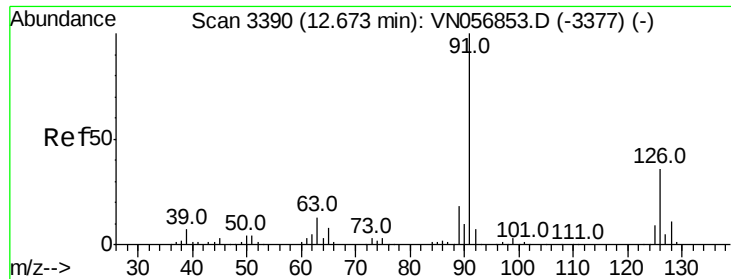
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.457 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 580049

Ion Ratio Lower Upper

91 100

126 35.7

17.8

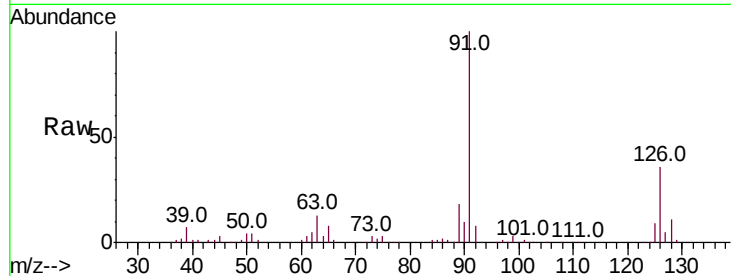
53.5

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Abundance Ion 91.00 (90.70 to 91.70): VN056853.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN056853.D (-3377) (-)

500000

400000

300000

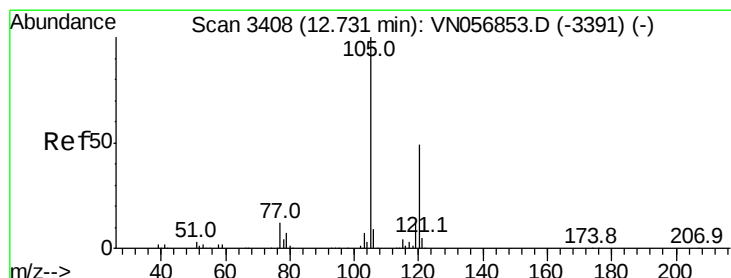
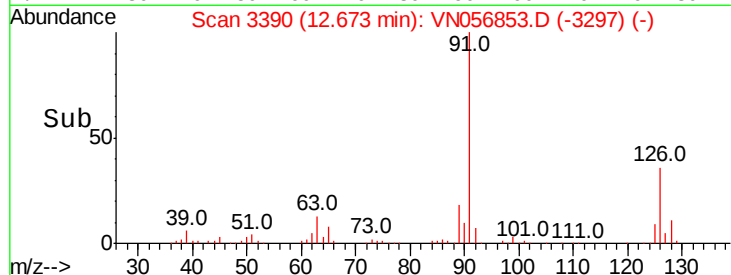
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.187 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Tgt Ion: 105 Resp: 742965

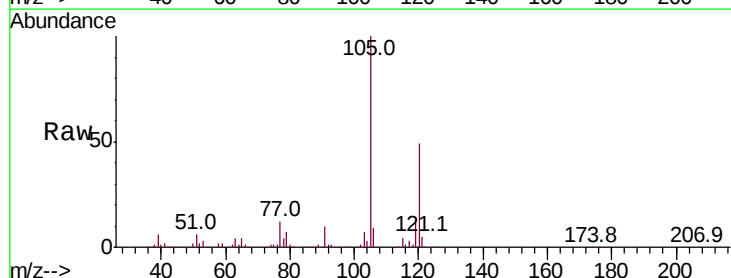
Ion Ratio Lower Upper

105 100

120 49.4

24.7

74.1



Abundance Ion 105.00 (104.70 to 105.70): VN056853.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056853.D (-3391) (-)

500000

400000

300000

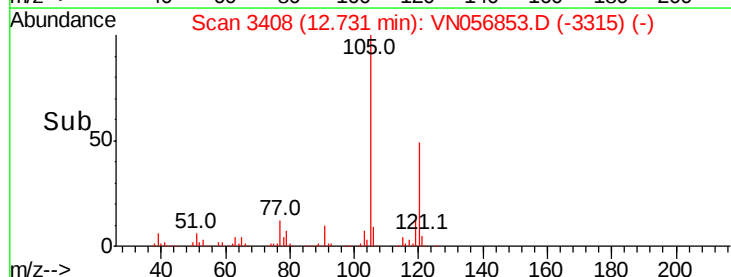
200000

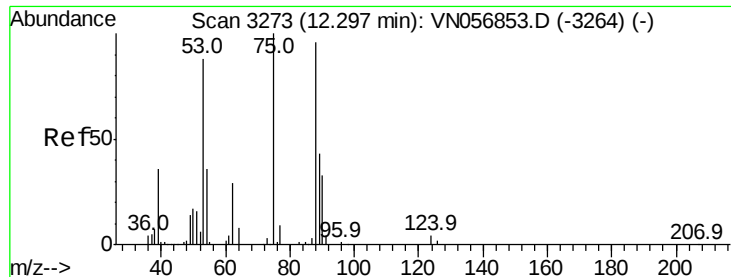
100000

0

12.70 12.75 12.80

Time-->





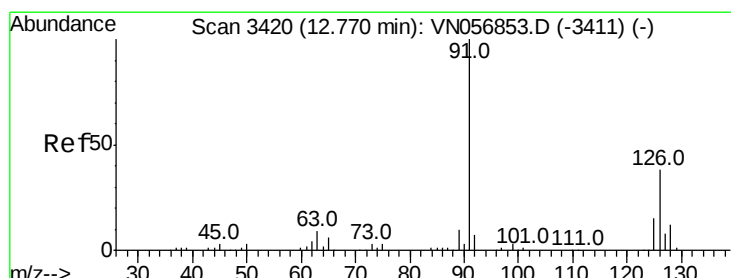
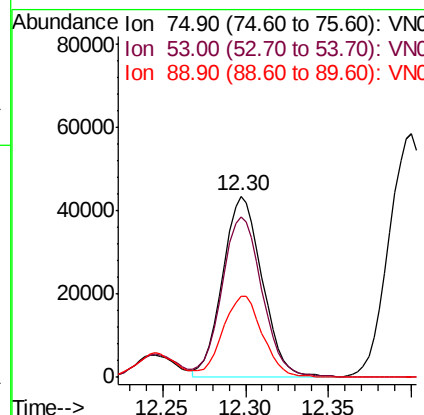
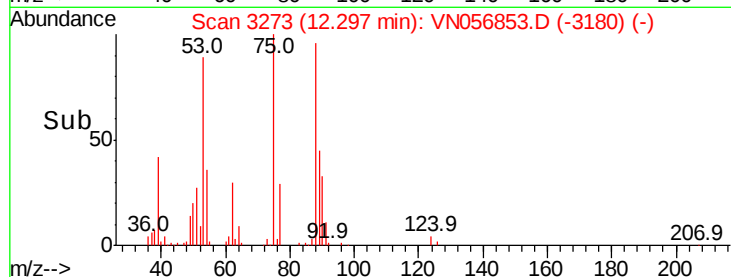
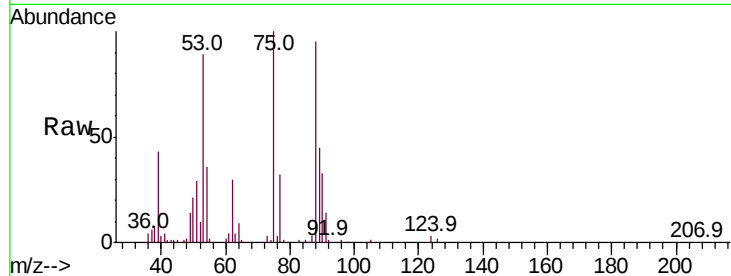
#81
trans-1,4-Dichloro-2-butene
Concen: 48.339 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 72263
Ion Ratio Lower Upper
75 100
53 90.4 72.3 108.5
89 45.3 36.2 54.4

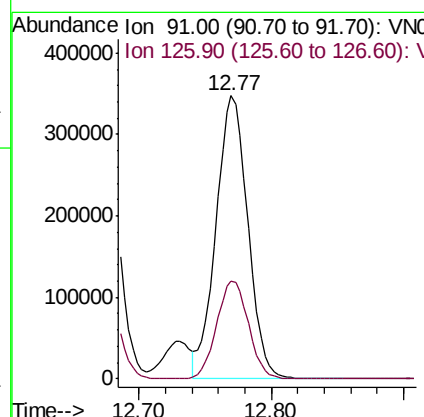
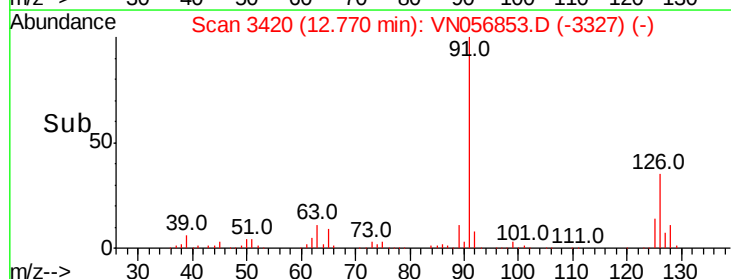
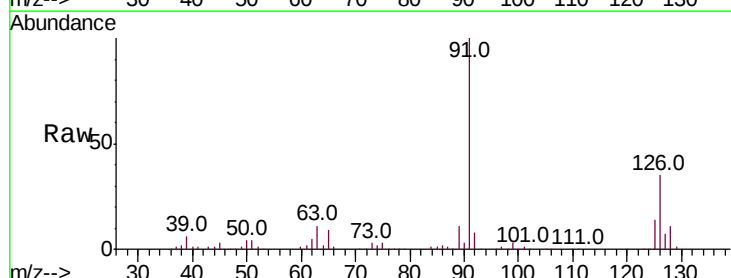
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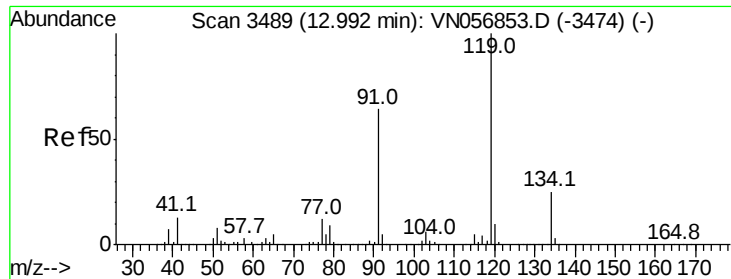
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.866 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Tgt Ion: 91 Resp: 577800
Ion Ratio Lower Upper
91 100
126 34.7 17.3 52.0





#83

tert-Butylbenzene

Concen: 49.501 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056853.D

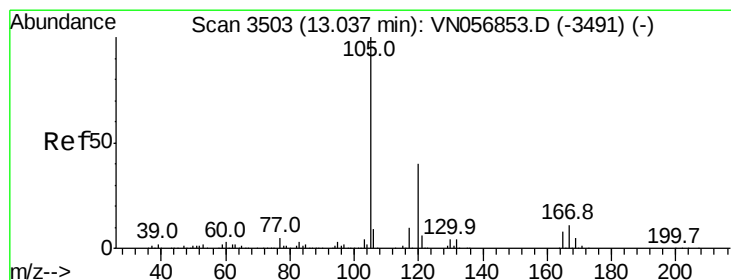
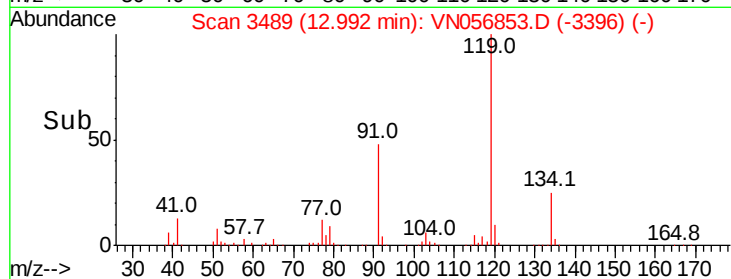
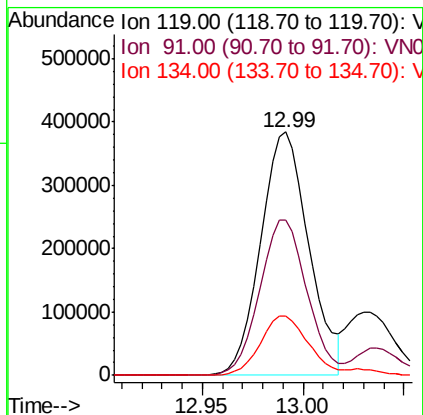
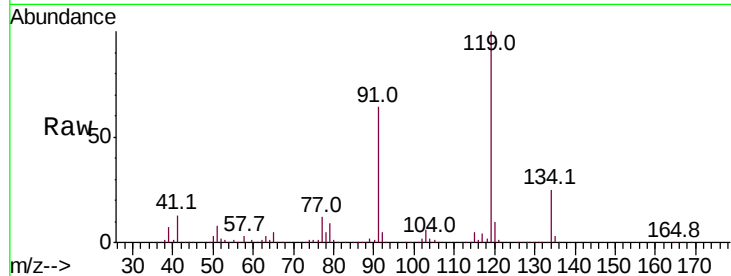
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	31.5	94.5
134	24.4	12.2	36.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.626 ug/l

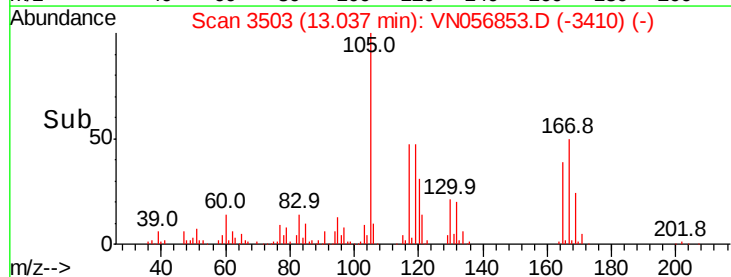
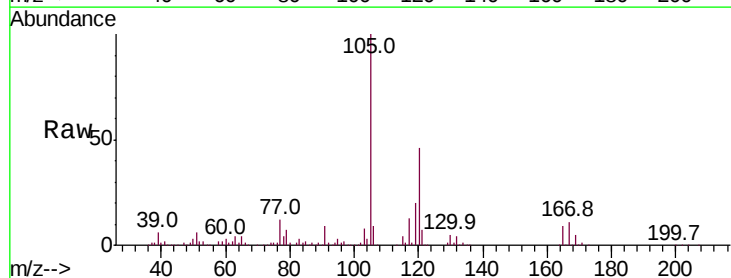
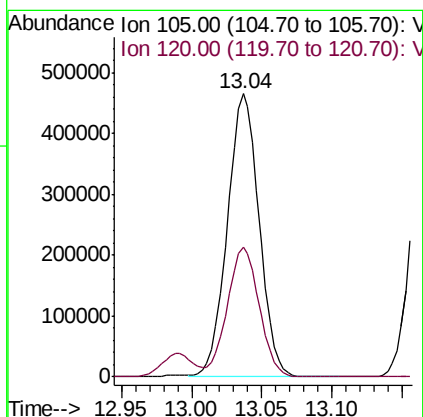
RT: 13.04 min Scan# 3503

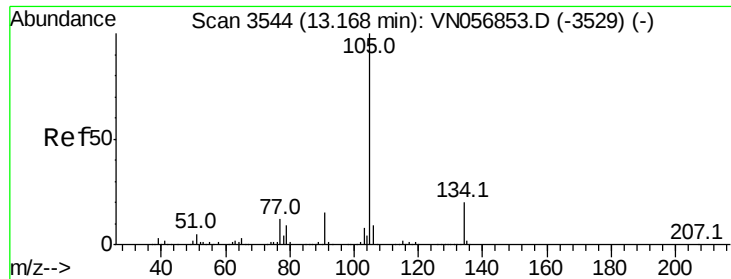
Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.2	69.5





#85

sec-Butylbenzene

Concen: 51.247 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 844351

Ion Ratio Lower Upper

105 100

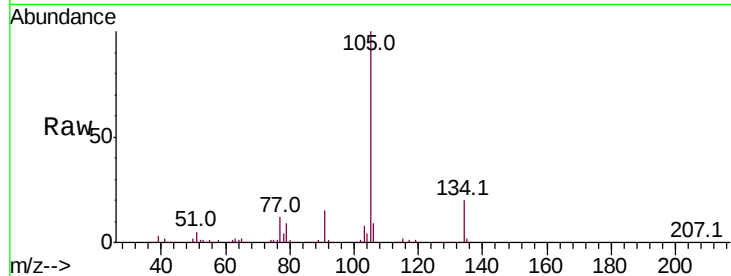
134 20.1 10.1 30.1

Manual Integrations

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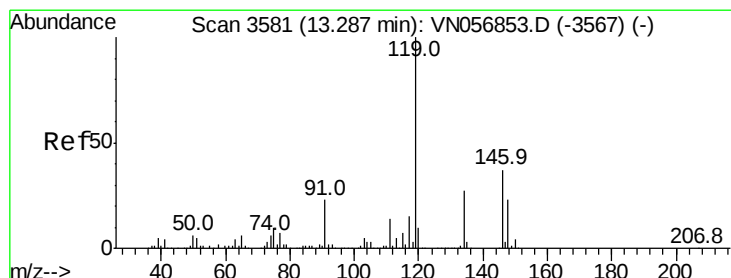
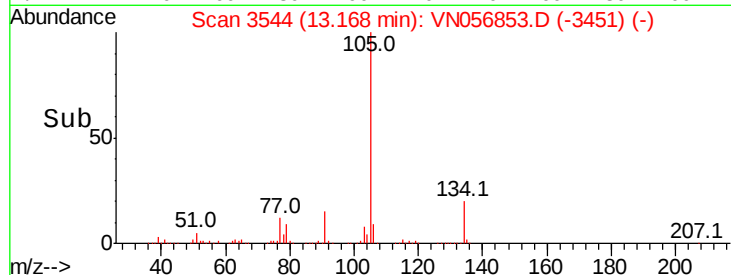
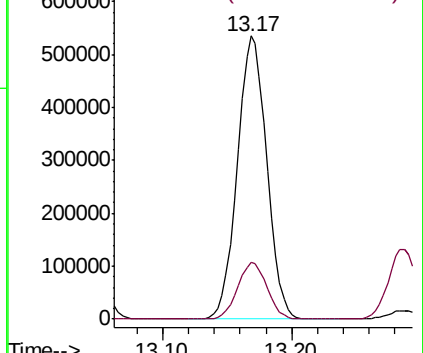
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.939 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

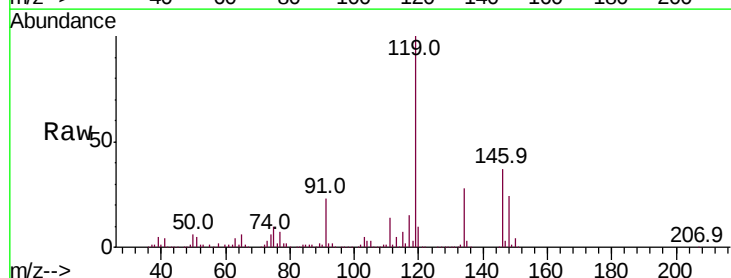
Tgt Ion:119 Resp: 758777

Ion Ratio Lower Upper

119 100

134 27.2 13.6 40.8

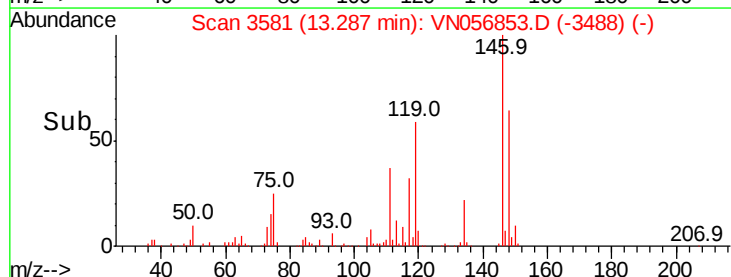
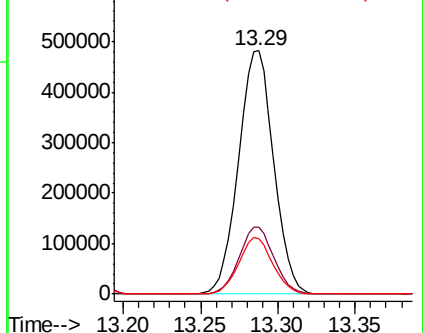
91 22.5 11.3 33.8

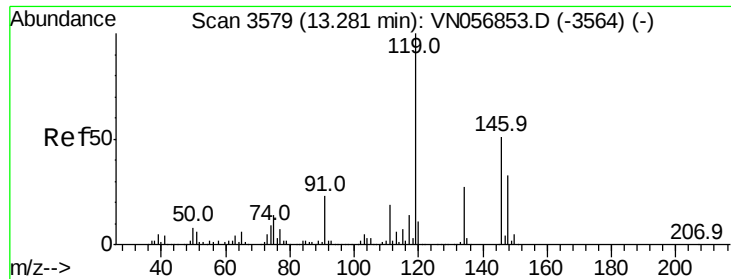


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





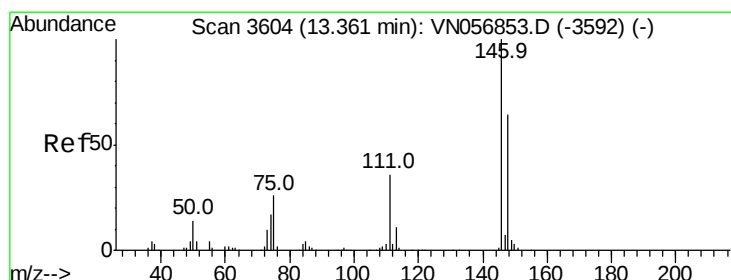
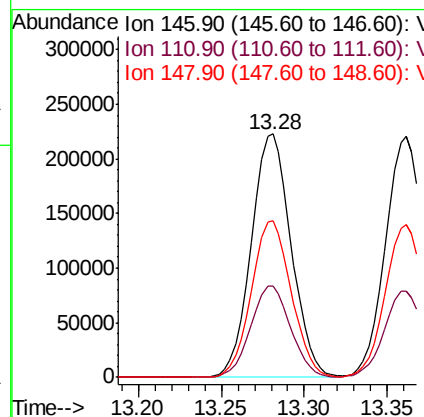
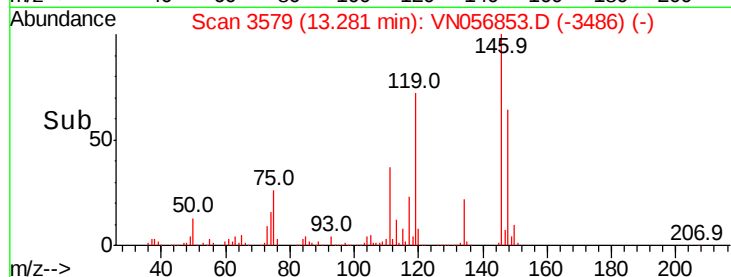
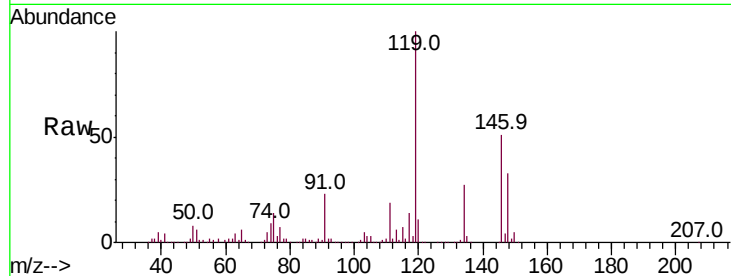
#87
 1,3-Dichlorobenzene
 Concen: 50.018 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	64.2	32.1	96.3

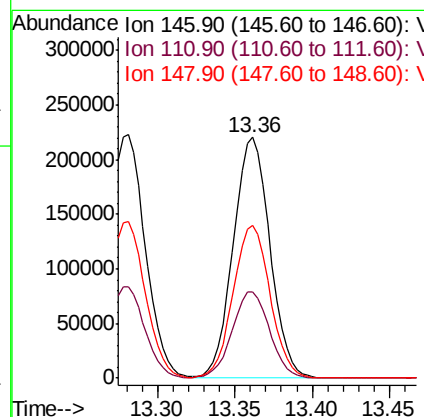
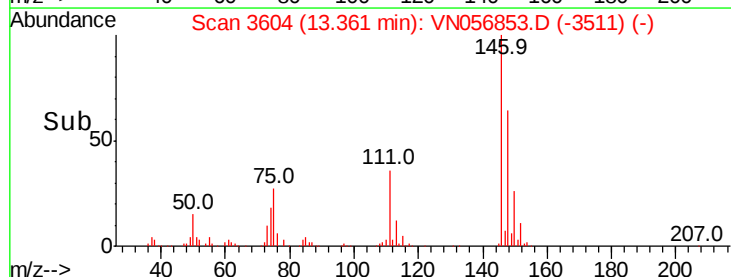
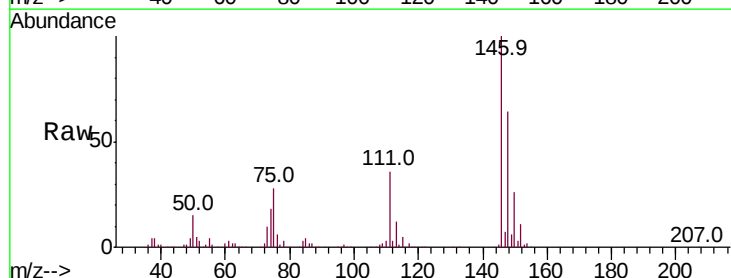
Manual Integrations
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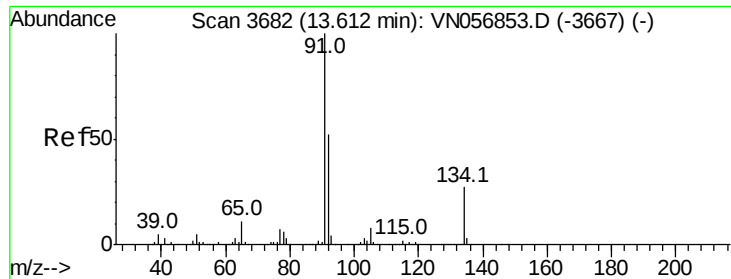
MMDadoda
 7/25/2019 3:01:18 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.014 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.3	54.9
148	64.2	32.1	96.3





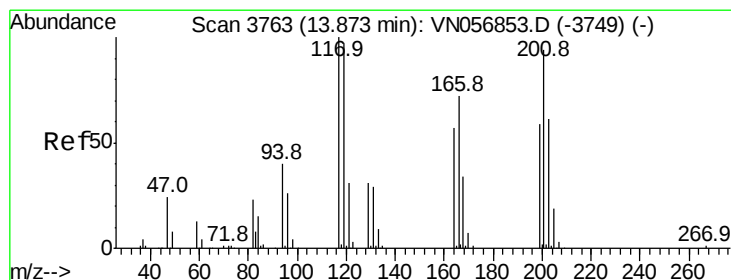
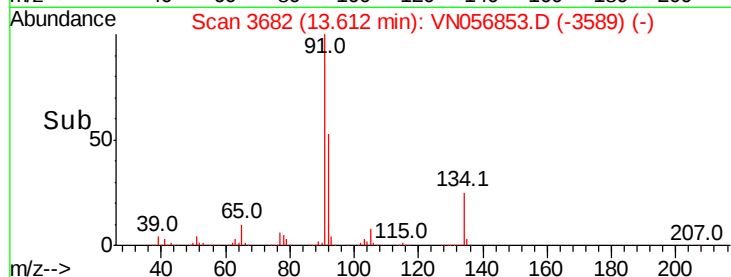
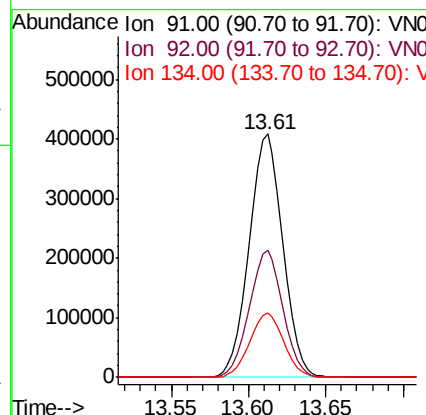
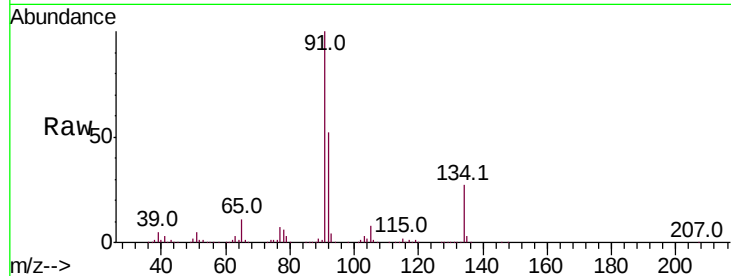
#89
n-Butylbenzene
Concen: 51.991 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	26.6	13.3	39.9

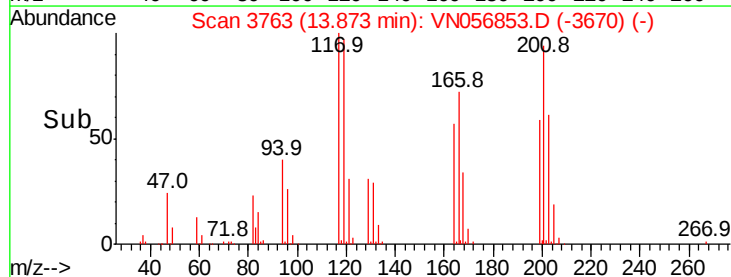
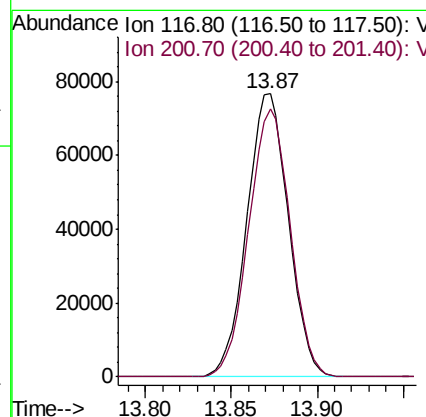
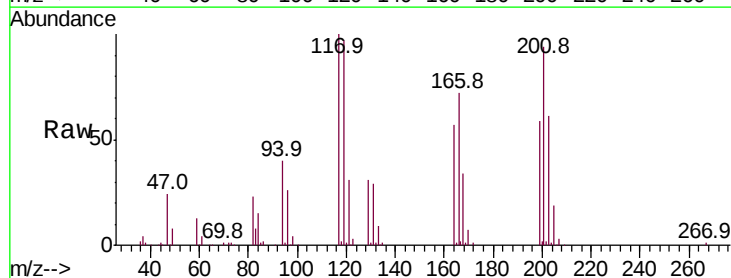
Manual Integrations
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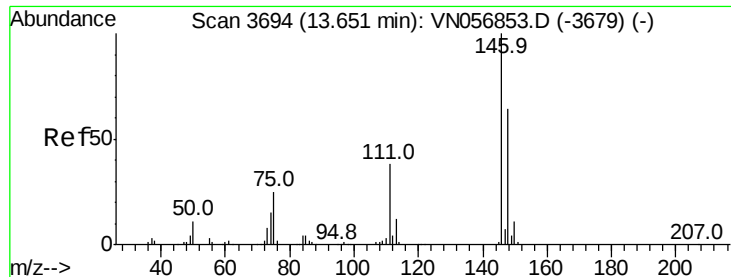
MMDadoda
7/25/2019 3:01:18 PM



#90
Hexachloroethane
Concen: 53.075 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056853.D
Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.2	47.1	141.3





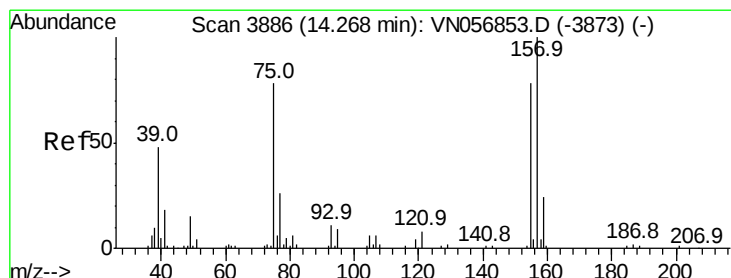
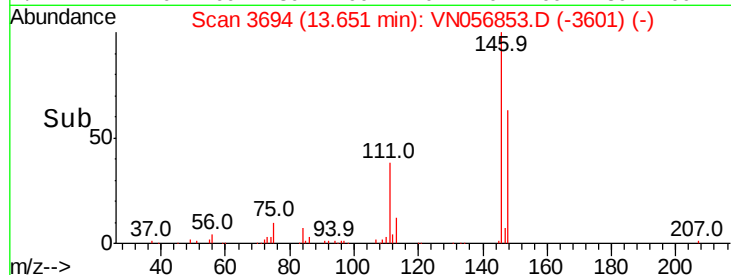
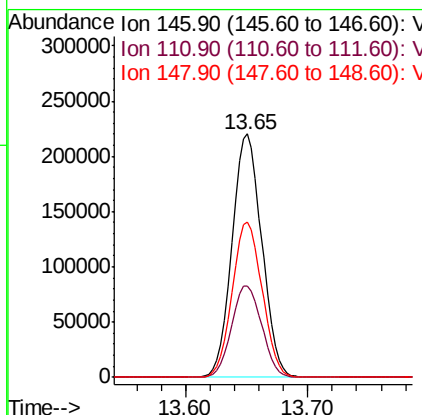
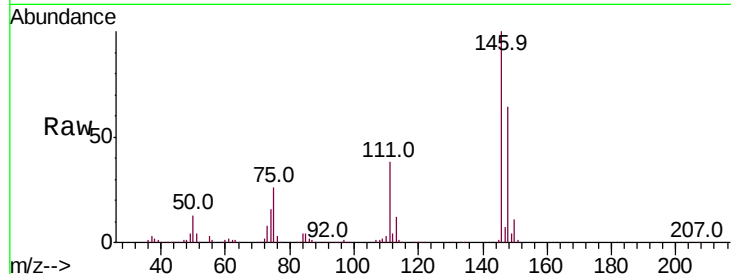
#91
 1,2-Dichlorobenzene
 Concen: 49.066 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

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

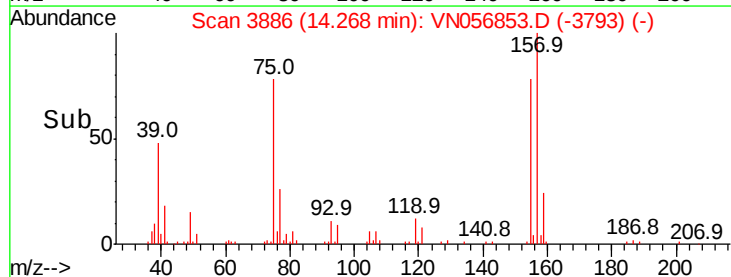
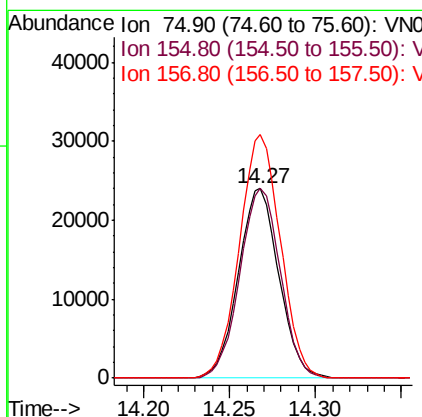
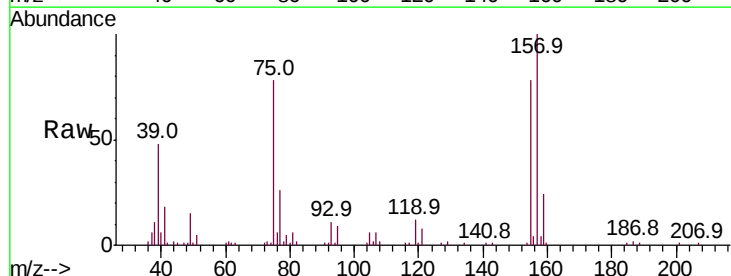
Manual Integrations
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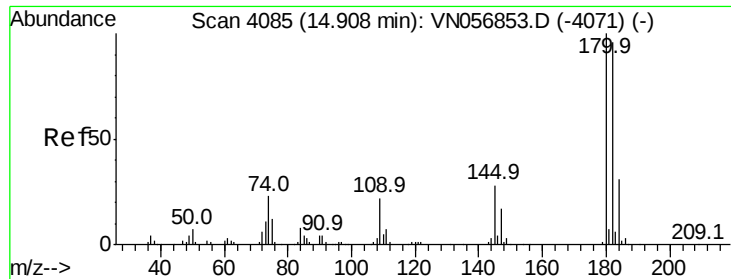
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.611 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.7	49.9	149.6
157	129.6	64.8	194.4





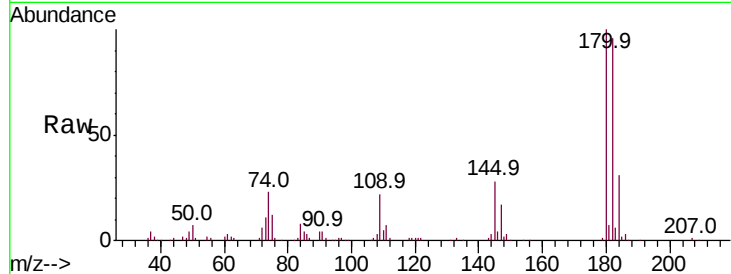
#93
 1,2,4-Trichlorobenzene
 Concen: 53.249 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

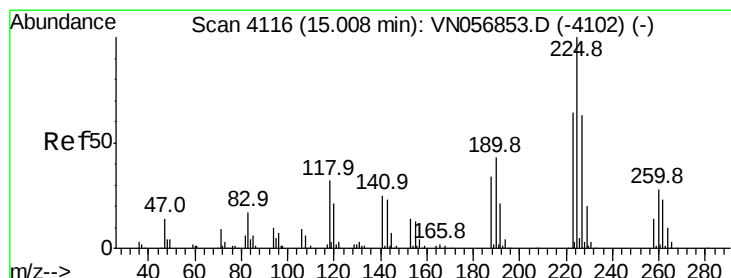
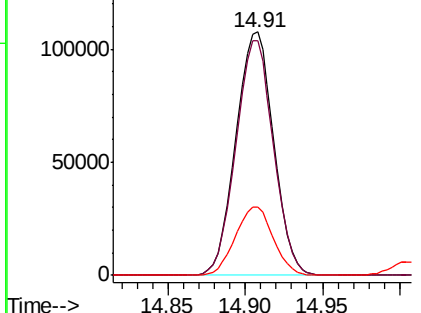
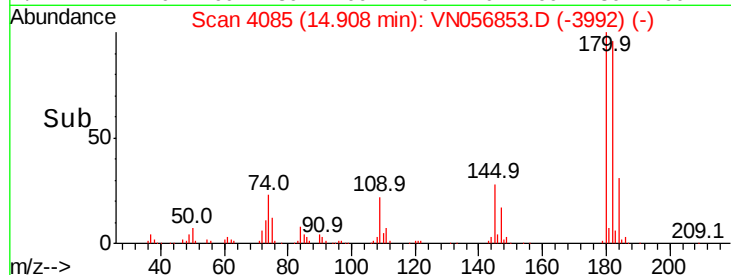
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	47.9	143.7	
145	28.2	14.1	42.3	

Manual Integrations
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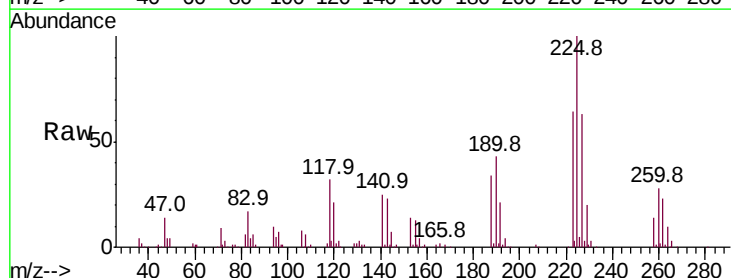


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

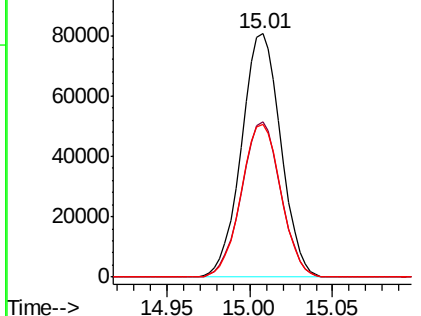
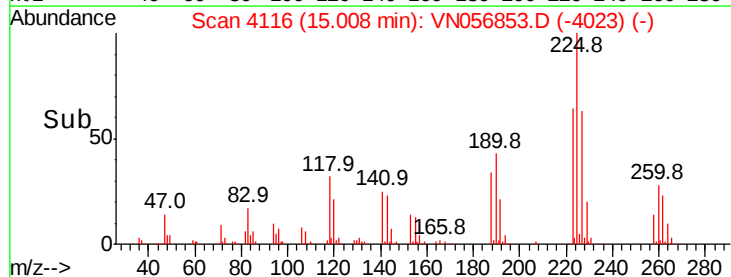


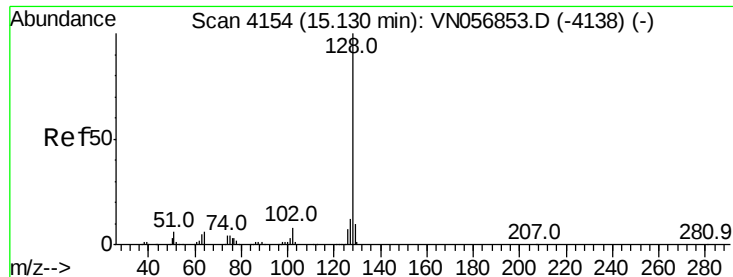
#94
 Hexachlorobutadiene
 Concen: 48.544 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056853.D
 Acq: 22 Jul 2019 13:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	31.9	95.5	
227	63.4	31.7	95.1	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 52.178 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Instrument :

MSVOA_N

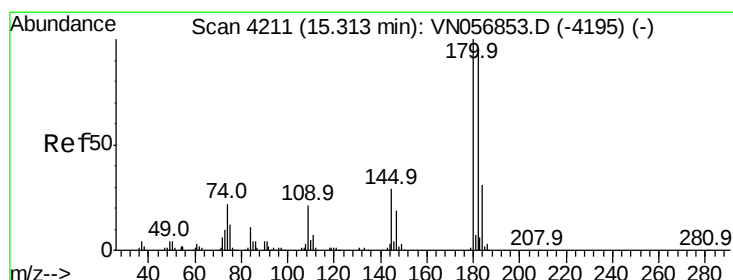
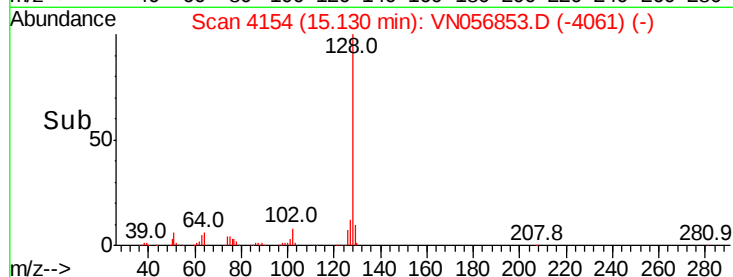
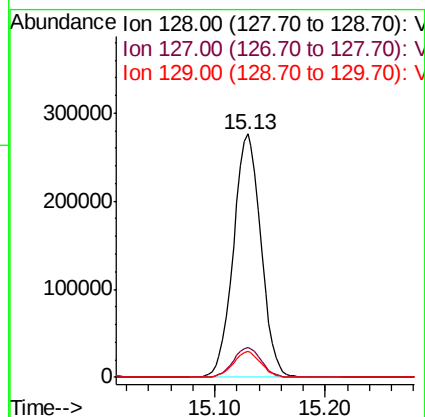
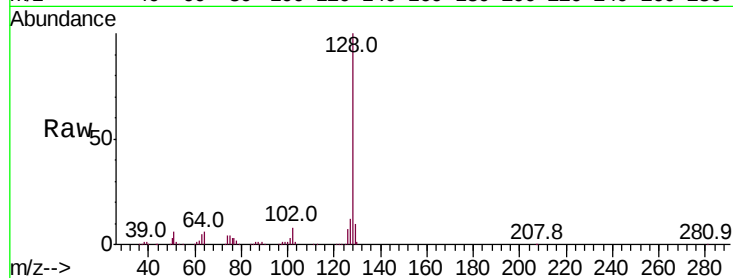
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	477298
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.6	8.5	12.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 54.315 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056853.D

Acq: 22 Jul 2019 13:10

Tgt Ion:	180	Resp:	194334
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.1	144.3
145	29.4	14.7	44.1

