

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042419\
 Data File : VN055215.D
 Acq On : 24 Apr 2019 9:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 12:39:57 PM

Quant Time: Apr 25 04:24:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	456353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	707829	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	603377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	250107	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	295524	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
35) Dibromofluoromethane	7.59	113	236065	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	10.09	98	869592	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.40	95	281449	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	305347	51.967	ug/l	98
3) Chloromethane	2.06	50	333565	46.329	ug/l	100
4) Vinyl Chloride	2.19	62	270363	46.863	ug/l	98
5) Bromomethane	2.55	94	142301	42.532	ug/l	100
6) Chloroethane	2.70	64	138792	45.644	ug/l	99
7) Trichlorofluoromethane	3.01	101	393786	50.157	ug/l	99
8) Diethyl Ether	3.41	74	137189	48.957	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	235353	48.040	ug/l	99
10) Methyl Iodide	3.95	142	354575	51.611	ug/l	99
11) Tert butyl alcohol	4.79	59	91604	254.023	ug/l	96
12) 1,1-Dichloroethene	3.74	96	227780	48.515	ug/l	99
13) Acrolein	3.61	56	138481	255.939	ug/l	99
14) Allyl chloride	4.32	41	455499	49.075	ug/l	99
15) Acrylonitrile	4.99	53	495585	250.586	ug/l	100
16) Acetone	3.82	43	499354	244.547	ug/l	99
17) Carbon Disulfide	4.05	76	637292	48.552	ug/l	99
18) Methyl Acetate	4.32	43	226276	51.606	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	642091	49.464	ug/l	99
20) Methylene Chloride	4.55	84	262850	44.776	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	240268	48.802	ug/l	97
22) Diisopropyl ether	5.95	45	912560	49.324	ug/l	98
23) Vinyl Acetate	5.90	43	3241896	260.755	ug/l	100
24) 1,1-Dichloroethane	5.85	63	473820	47.613	ug/l	99
25) 2-Butanone	6.83	43	652329	247.448	ug/l	100
26) 2,2-Dichloropropane	6.82	77	332629	49.393	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	270689	47.695	ug/l	99
28) Bromochloromethane	7.19	49	237662	46.850	ug/l	99
29) Tetrahydrofuran	7.21	42	406938	251.061	ug/l	99
30) Chloroform	7.37	83	446602	47.179	ug/l	96
31) Cyclohexane	7.65	56	454789	48.783	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	371684	48.874	ug/l	99
36) 1,1-Dichloropropene	7.79	75	342827	52.183	ug/l	99
37) Ethyl Acetate	6.93	43	264921	49.966	ug/l	100
38) Carbon Tetrachloride	7.77	117	323596	52.599	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	388467	49.564	ug/l	100
40) Benzene	8.04	78	1015791	50.088	ug/l	100
41) Methacrylonitrile	7.17	41	142085	51.115	ug/l	93
42) 1,2-Dichloroethane	8.12	62	350436	49.530	ug/l	100
43) Isopropyl Acetate	8.16	43	460464	53.631	ug/l #	88
44) Trichloroethene	8.84	130	260754	50.870	ug/l	99
45) 1,2-Dichloropropane	9.12	63	284333	49.668	ug/l	99
46) Dibromomethane	9.21	93	160170	48.875	ug/l	98
47) Bromodichloromethane	9.40	83	339030	51.678	ug/l	99
48) Methyl methacrylate	9.20	41	213781	51.332	ug/l	98
49) 1,4-Dioxane	9.20	88	46527	967.392	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1265775	256.205	ug/l	100
52) Toluene	10.16	92	592926	49.872	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	330389	54.876	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	395957	52.997	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	219271	50.026	ug/l	98
56) Ethyl methacrylate	10.43	69	288912	52.911	ug/l	99
57) 1,3-Dichloropropane	10.71	76	384628	50.436	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	420147	201.963	ug/l	100
59) 2-Hexanone	10.75	43	802499	257.159	ug/l	100
60) Dibromochloromethane	10.90	129	235474	52.157	ug/l	100
61) 1,2-Dibromoethane	11.00	107	212243	51.502	ug/l	100
64) Tetrachloroethene	10.63	164	250550	50.902	ug/l	99
65) Chlorobenzene	11.43	112	598402	48.589	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	229929	50.373	ug/l	100
67) Ethyl Benzene	11.51	91	1105597	50.397	ug/l	99
68) m/p-Xylenes	11.62	106	805683	102.397	ug/l	99
69) o-Xylene	11.95	106	386485	49.496	ug/l	97
70) Styrene	11.96	104	645927	53.366	ug/l	99
71) Bromoform	12.13	173	145683	53.484	ug/l #	99
73) Isopropylbenzene	12.25	105	1054938	52.611	ug/l	100
74) N-amyl acetate	12.07	43	327039	50.717	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	264124	52.032	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	227330m	44.803	ug/l	
77) Bromobenzene	12.53	156	247940	44.904	ug/l	98
78) n-propylbenzene	12.59	91	1174303	46.818	ug/l	99
79) 2-Chlorotoluene	12.67	91	703516	44.419	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	860286	45.948	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	65192	48.705	ug/l	96
82) 4-Chlorotoluene	12.77	91	689165	47.293	ug/l	99
83) tert-Butylbenzene	12.99	119	724074	51.535	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	835765	47.302	ug/l	98
85) sec-Butylbenzene	13.17	105	949575	44.830	ug/l	99
86) p-Isopropyltoluene	13.29	119	832182	47.688	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	412824	48.705	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	396014	47.989	ug/l	99
89) n-Butylbenzene	13.61	91	669266	51.741	ug/l	99
90) Hexachloroethane	13.87	117	137508	44.430	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	400405	45.992	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36186	47.646	ug/l	98

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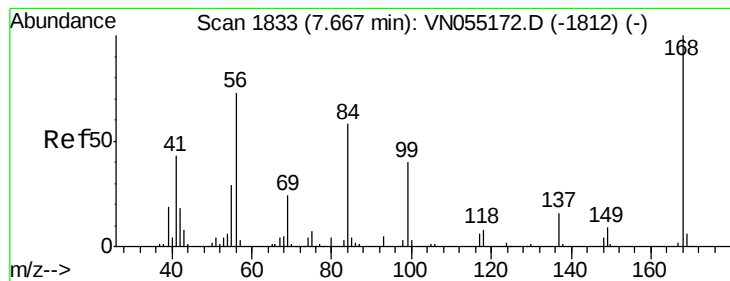
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	169389	46.271	ug/l	99
94) Hexachlorobutadiene	15.01	225	134191	53.094	ug/l	98
95) Naphthalene	15.13	128	343594	43.227	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	170828	46.904	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 456353

Ion Ratio Lower Upper

168 100

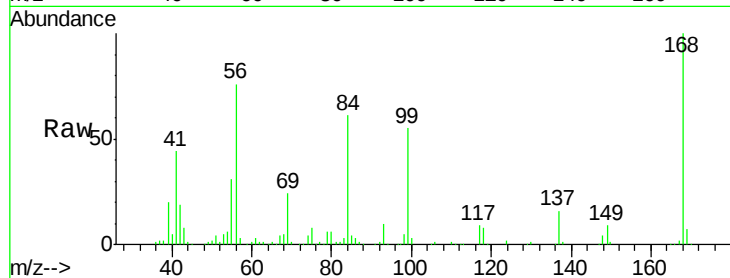
99 54.3 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

100000

50000

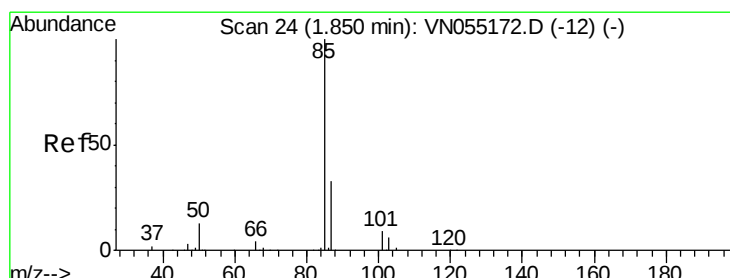
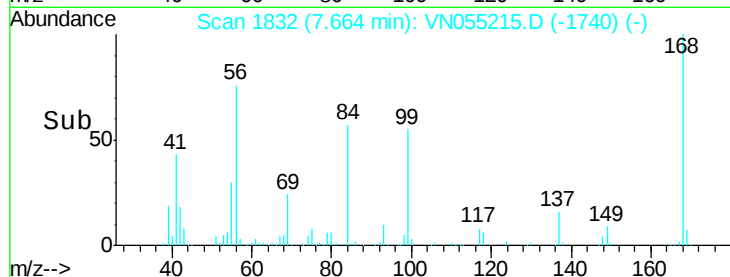
0

7.66

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.967 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055215.D

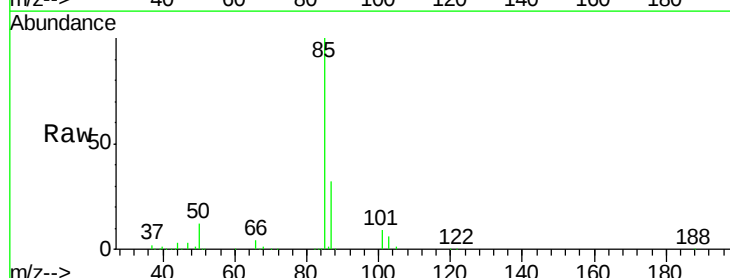
Acq: 24 Apr 2019 9:41

Tgt Ion: 85 Resp: 305347

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

250000

200000

150000

100000

50000

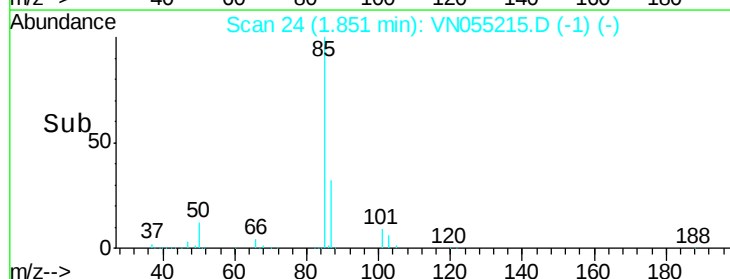
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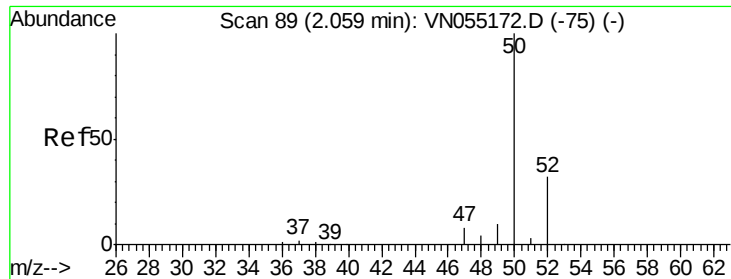
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 46.329 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Tot Ion: 50 Resp: 333565

Ion Ratio Lower Upper

50 100

52 32.1 25.8 38.6

Instrument :

MSVOA_N

ClientSampleId :

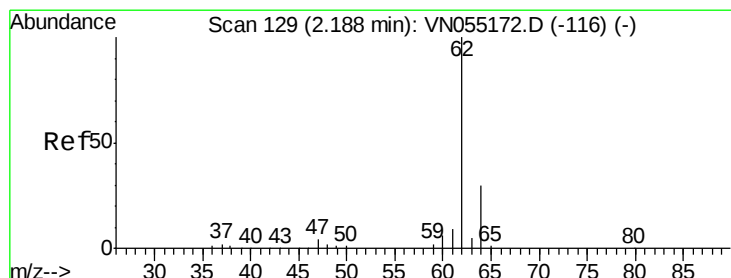
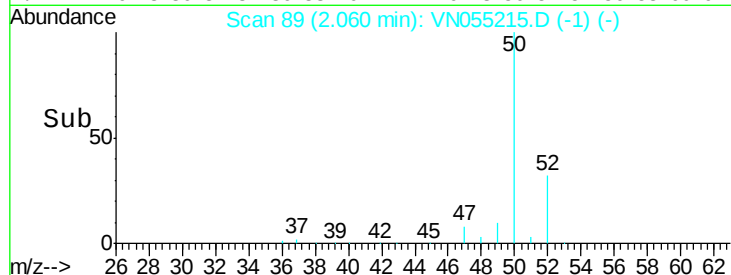
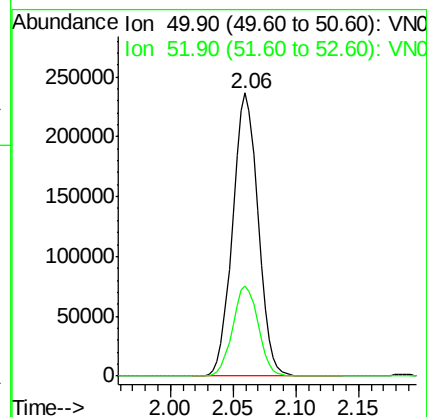
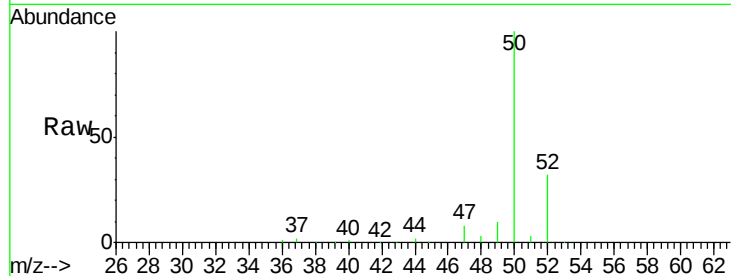
VSTDCCC050

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.863 ug/l

RT: 2.19 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055215.D

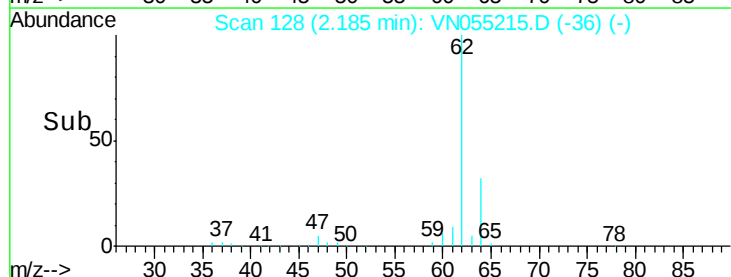
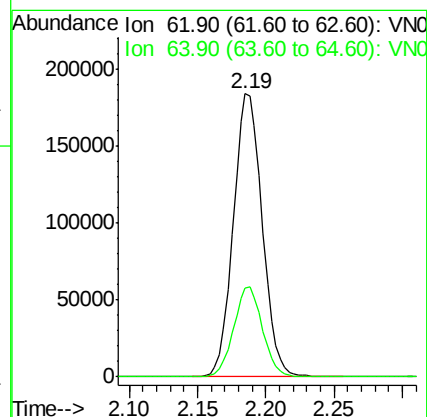
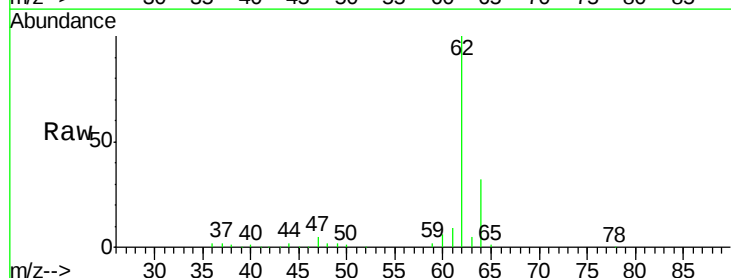
Acq: 24 Apr 2019 9:41

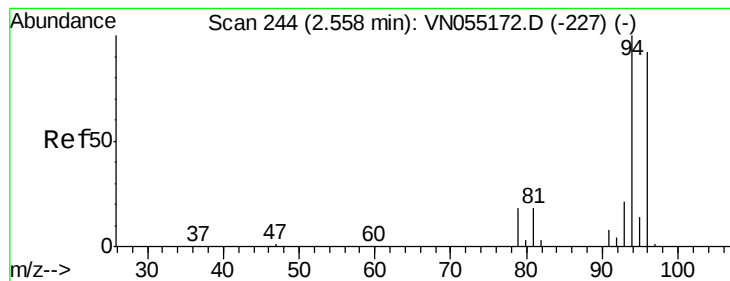
Tgt Ion: 62 Resp: 270363

Ion Ratio Lower Upper

62 100

64 31.6 24.2 36.4





#5

Bromomethane

Concen: 42.532 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.01 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 142301

Ion Ratio Lower Upper

94 100

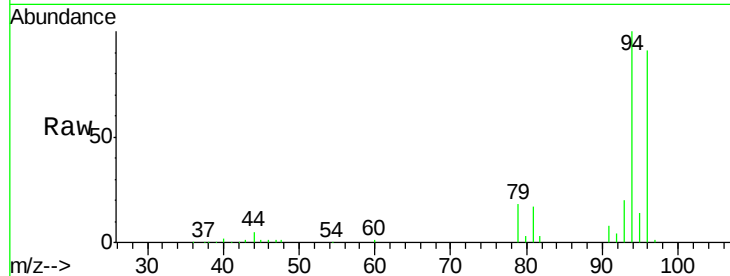
96 91.4 73.4 110.2

Manual Integrations

APPROVED

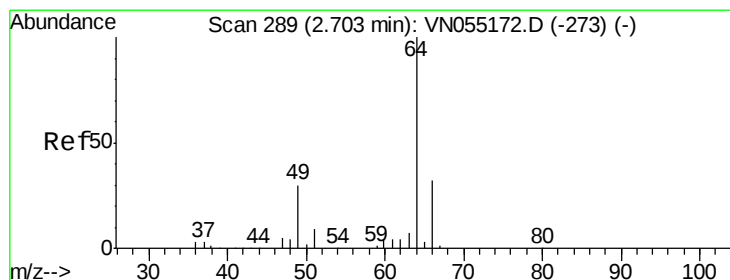
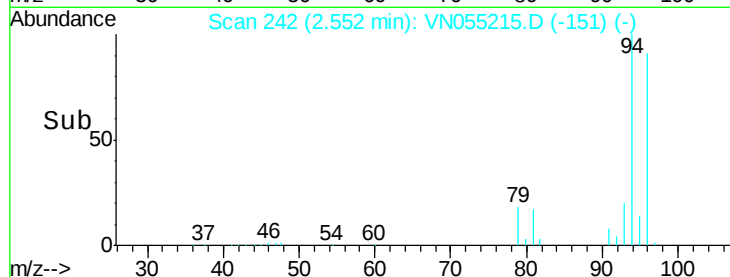
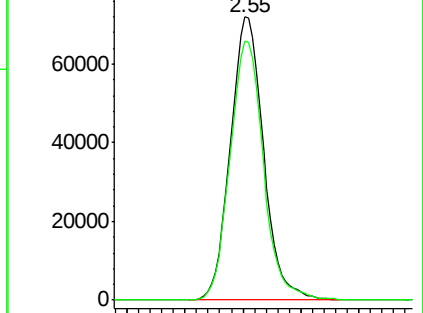
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 45.644 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN055215.D

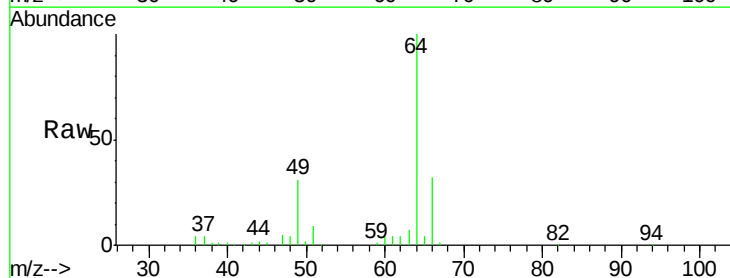
Acq: 24 Apr 2019 9:41

Tgt Ion: 64 Resp: 138792

Ion Ratio Lower Upper

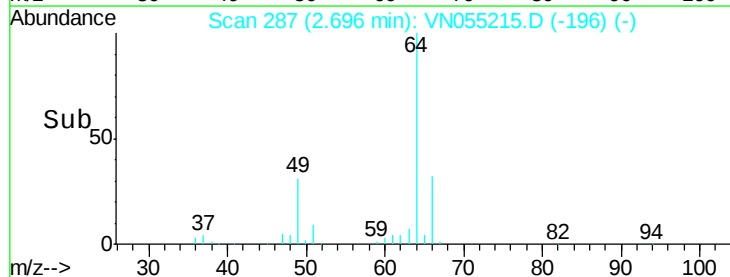
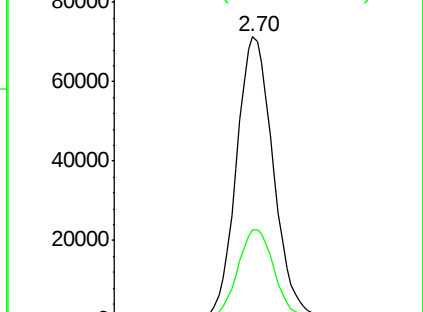
64 100

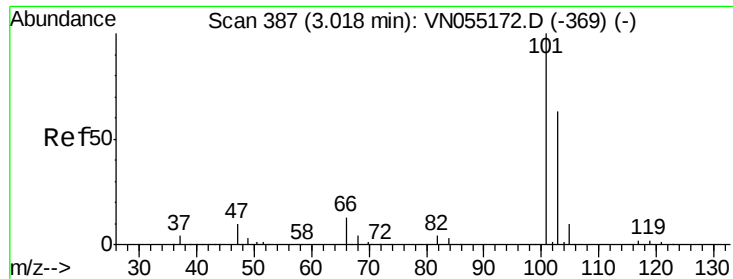
66 31.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

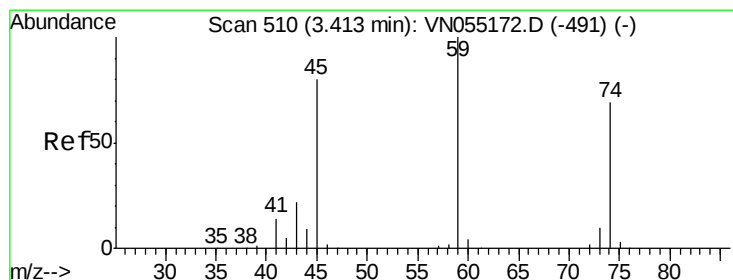
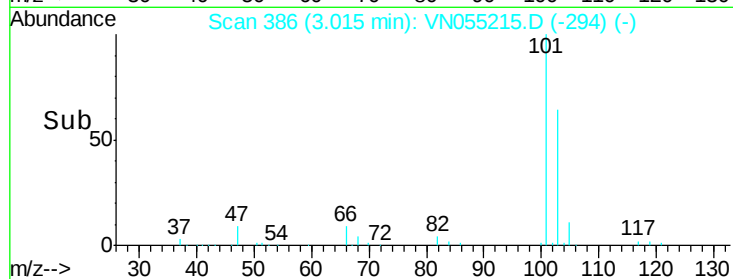
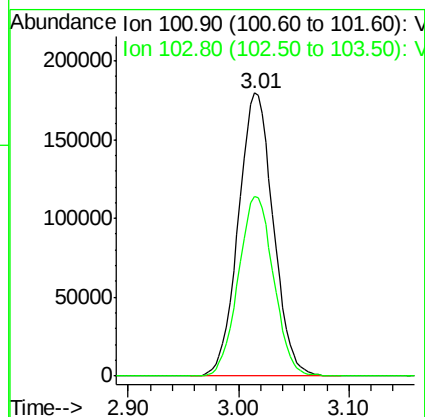
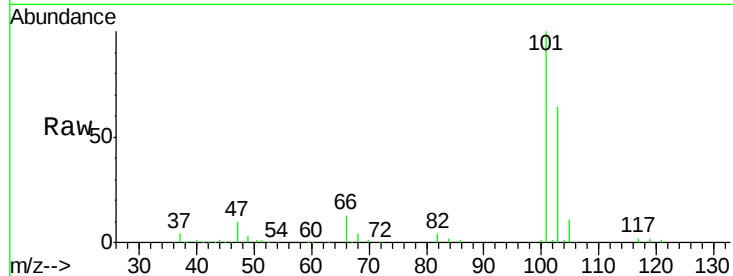
Trichlorofluoromethane
Concen: 50.157 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 393786
Ion Ratio Lower Upper
101 100
103 63.6 50.1 75.1

Manual Integrations
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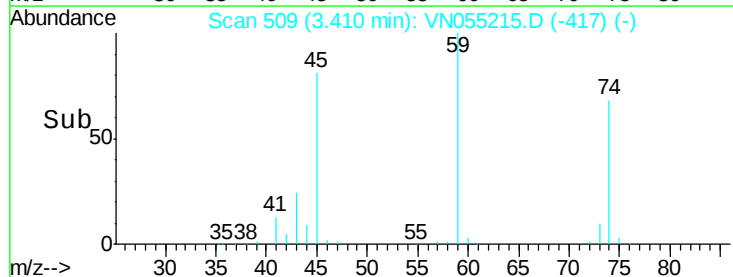
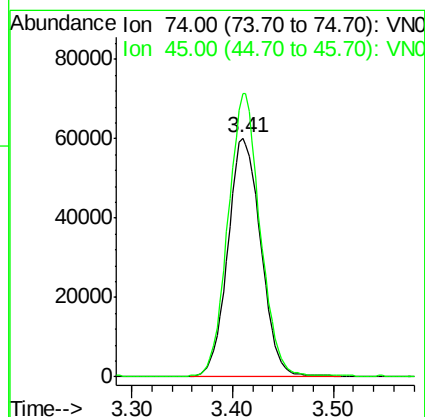
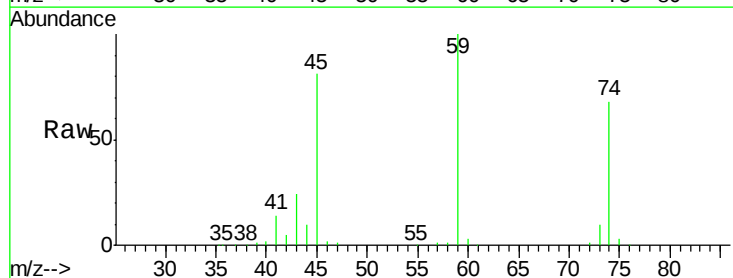
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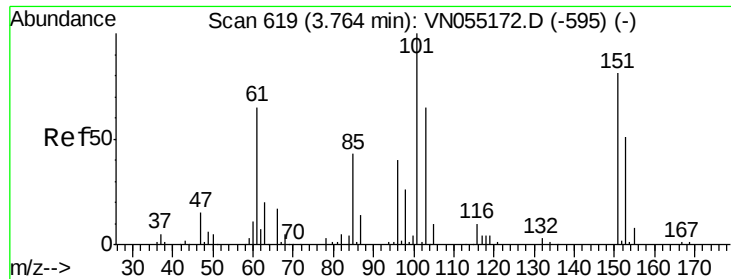


#8

Diethyl Ether
Concen: 48.957 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion: 74 Resp: 137189
Ion Ratio Lower Upper
74 100
45 114.9 56.9 170.6





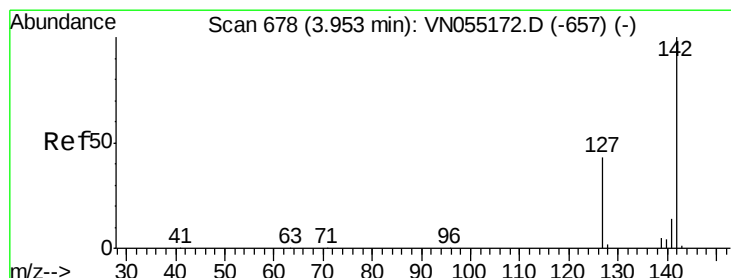
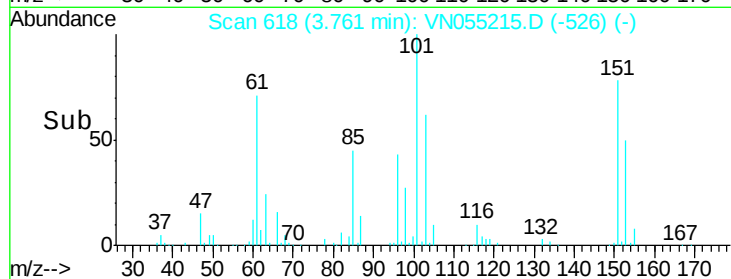
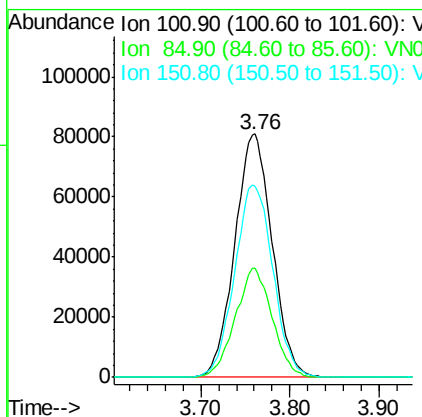
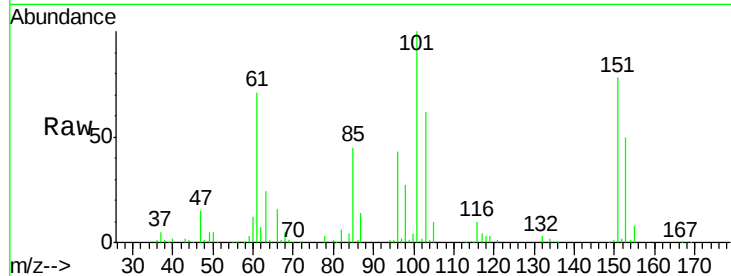
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.040 ug/l
RT: 3.76 min Scan# 618
Delta R.T. -0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	44.2	34.9	52.3
151	81.0	63.8	95.8

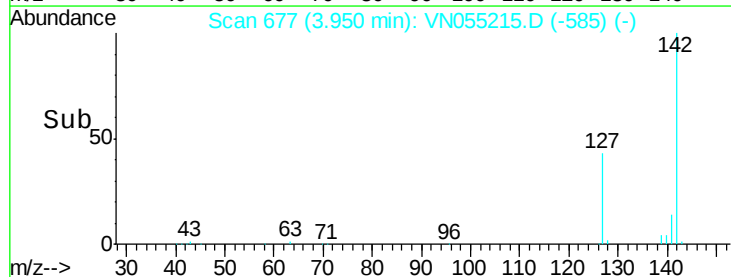
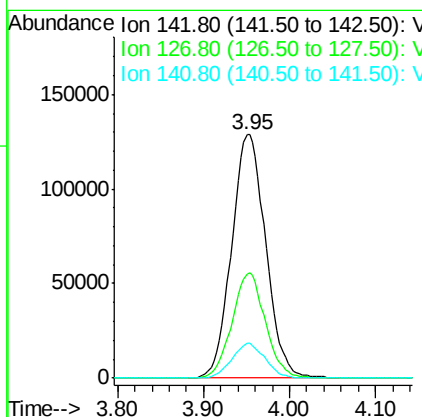
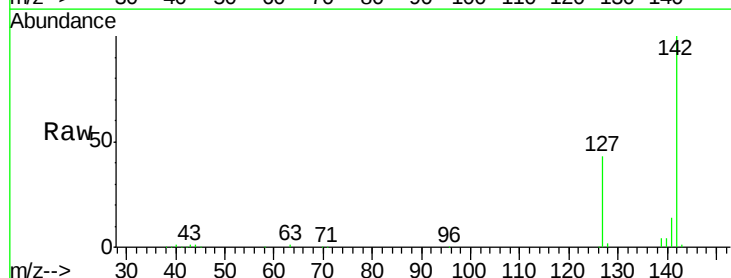
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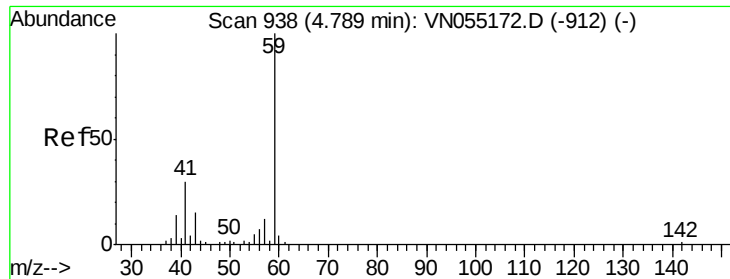
MMDadoda
4/25/2019 12:39:57 PM



#10
Methyl Iodide
Concen: 51.611 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
127	42.2	34.1	51.1
141	14.0	11.4	17.2





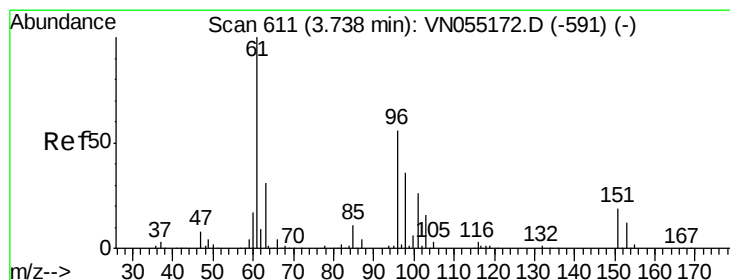
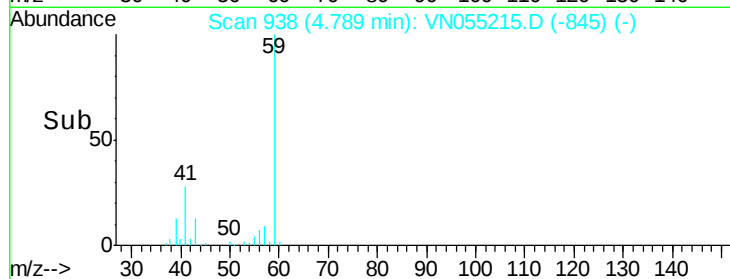
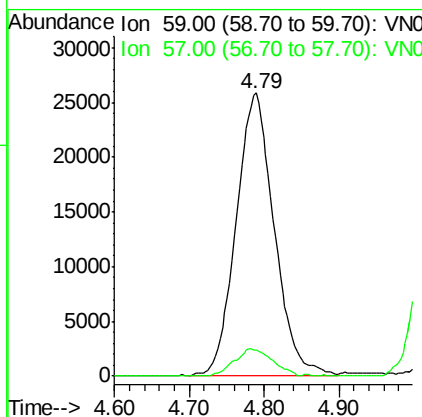
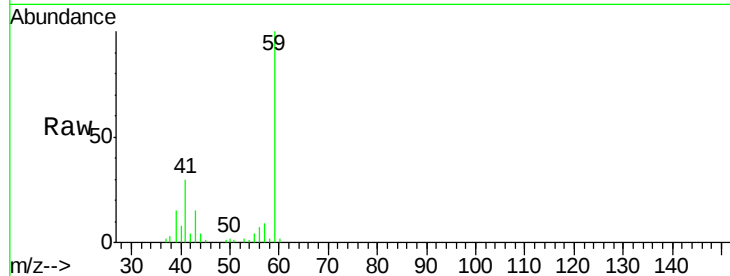
#11
Tert butyl alcohol
Concen: 254.023 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	91604
Ion Ratio	100	Lower	Upper
57	9.6	8.8	13.2

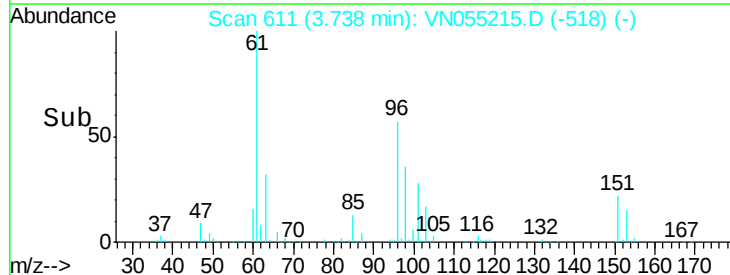
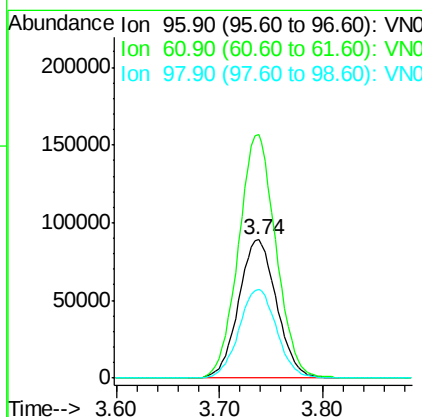
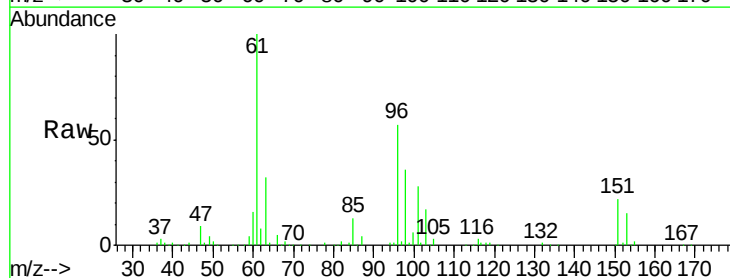
Manual Integrations
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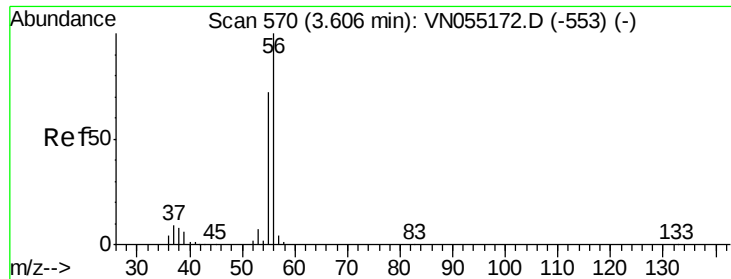
MMDadoda
4/25/2019 12:39:57 PM



#12
1,1-Dichloroethene
Concen: 48.515 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion	96	Resp	227780
Ion Ratio	100	Lower	Upper
61	176.1	142.1	213.1
98	64.1	51.2	76.8





#13

Acrolein

Concen: 255.939 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 138481

Ion Ratio Lower Upper

56 100

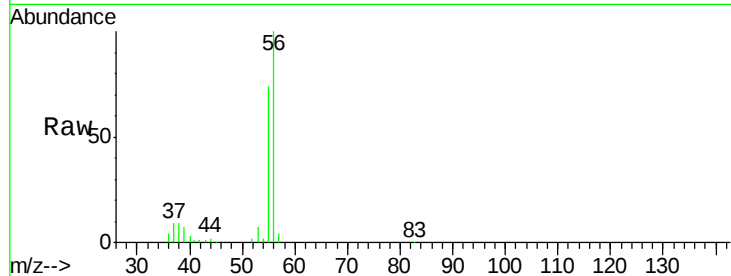
55 72.3 57.4 86.0

Manual Integrations

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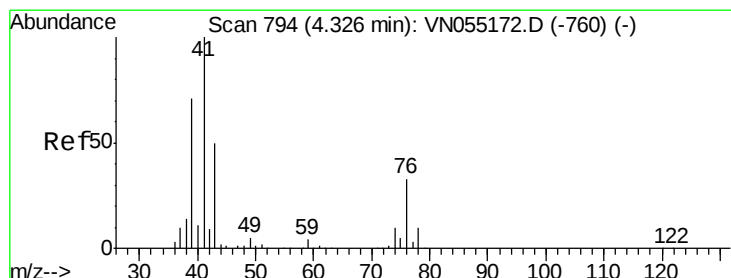
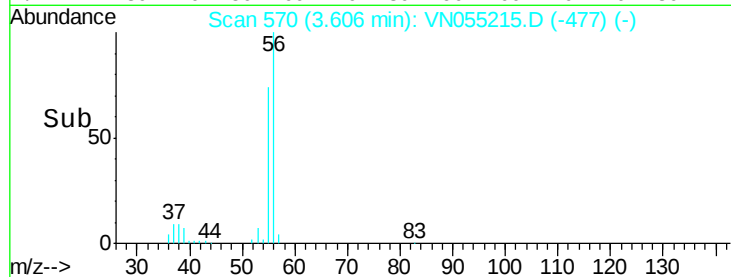
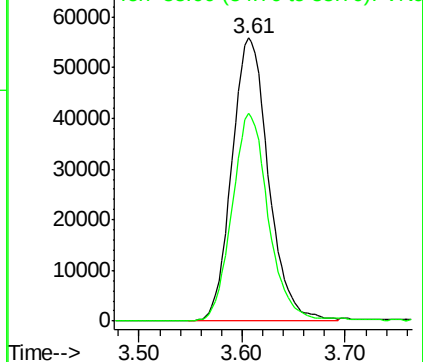
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 49.075 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

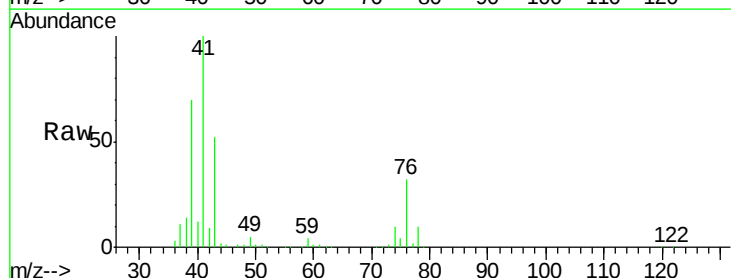
Tgt Ion: 41 Resp: 455499

Ion Ratio Lower Upper

41 100

39 66.3 52.9 79.3

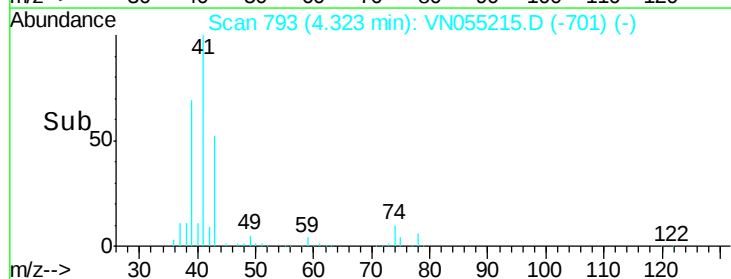
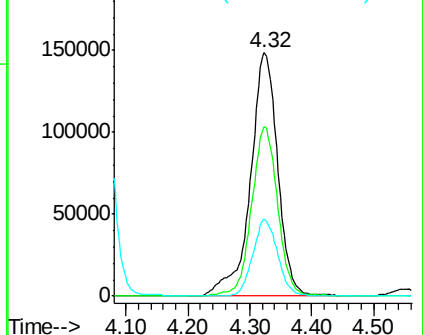
76 28.9 23.6 35.4

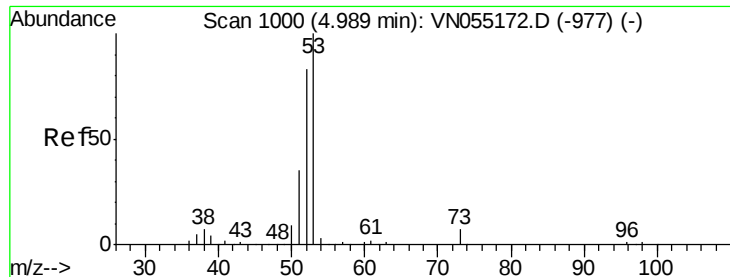


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 250.586 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

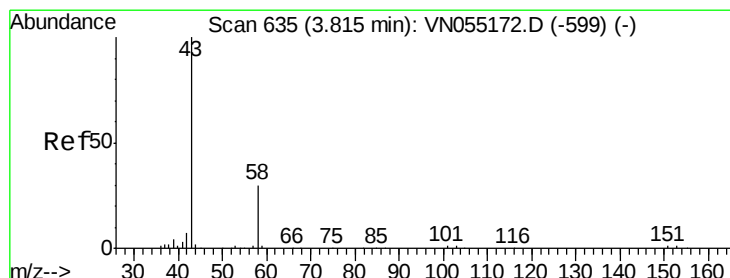
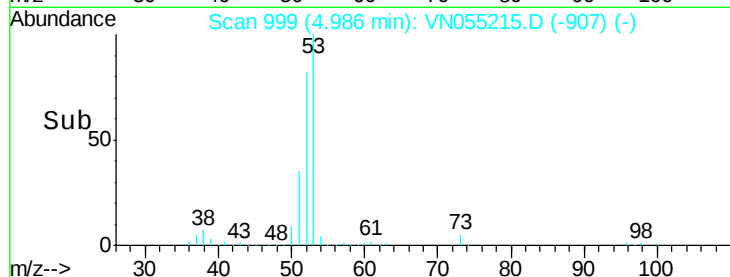
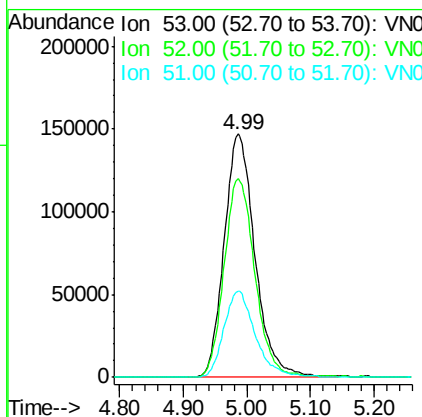
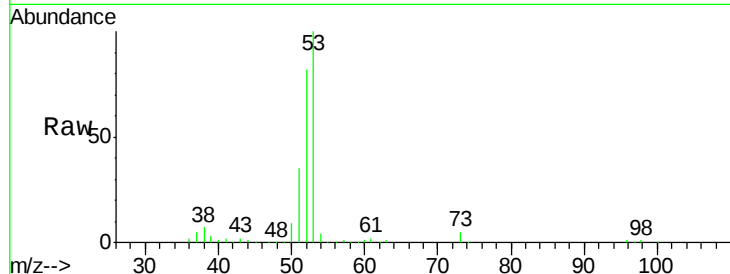
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	495585
Ion Ratio		Lower	Upper
53	100		
52	82.0	65.8	98.8
51	36.3	28.9	43.3

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#16

Acetone

Concen: 244.547 ug/l

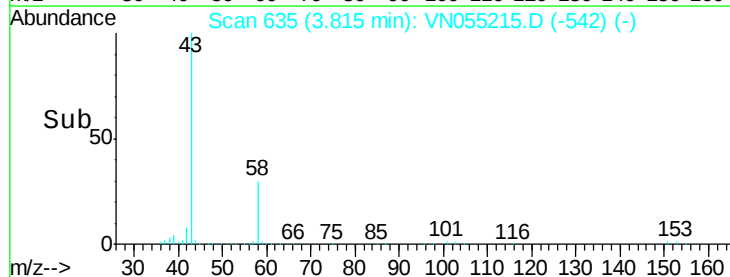
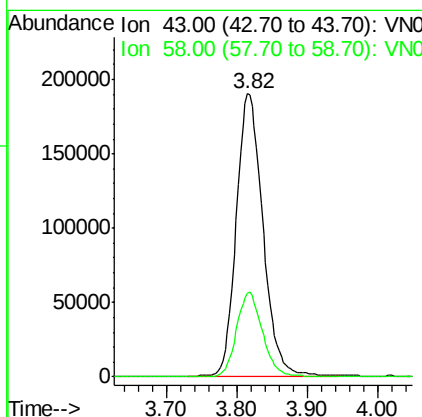
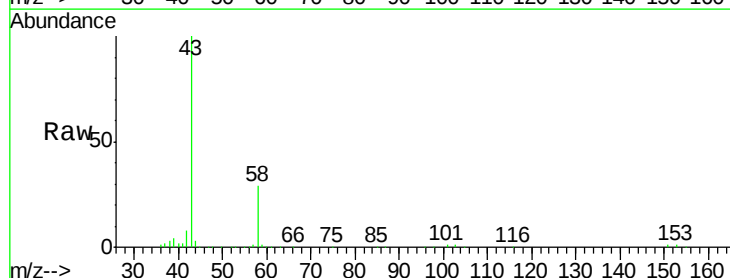
RT: 3.82 min Scan# 635

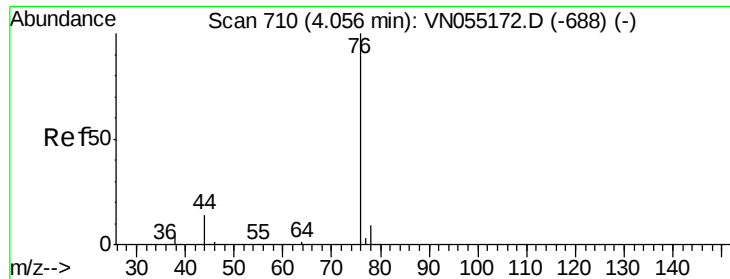
Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Tgt Ion:	43	Resp:	499354
Ion Ratio		Lower	Upper
43	100		
58	29.4	23.8	35.8





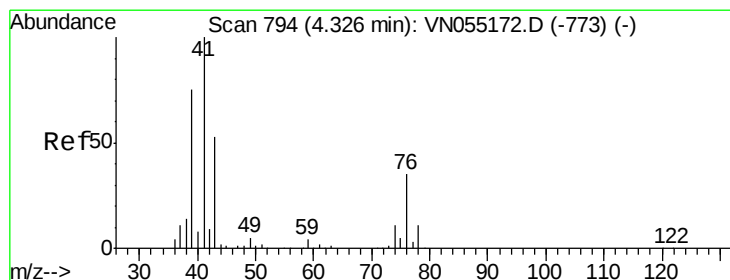
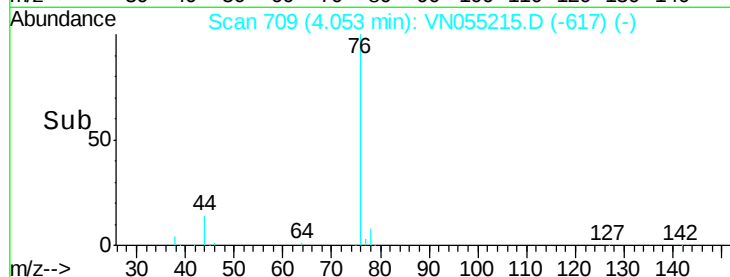
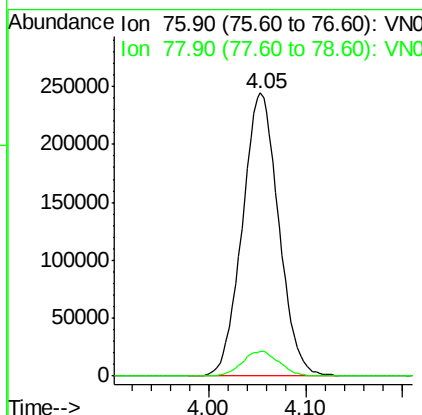
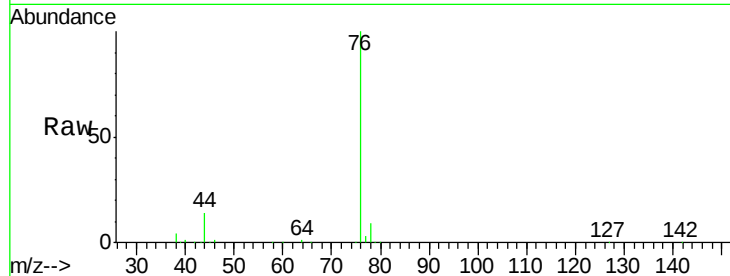
#17
Carbon Disulfide
Concen: 48.552 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

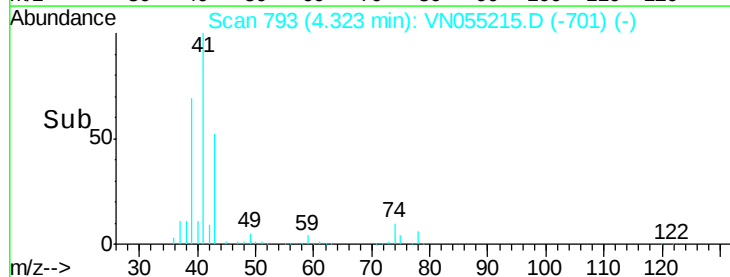
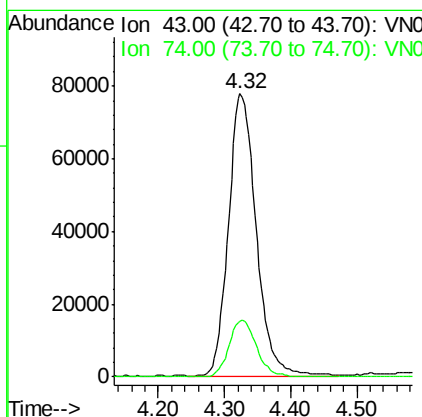
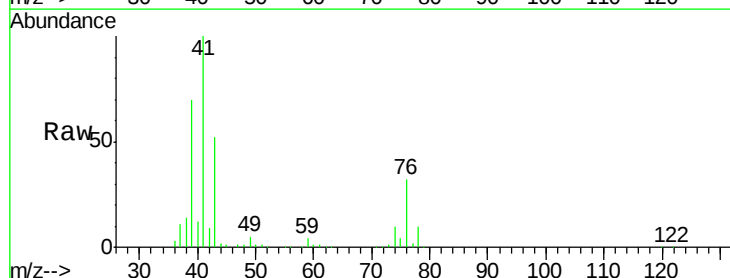
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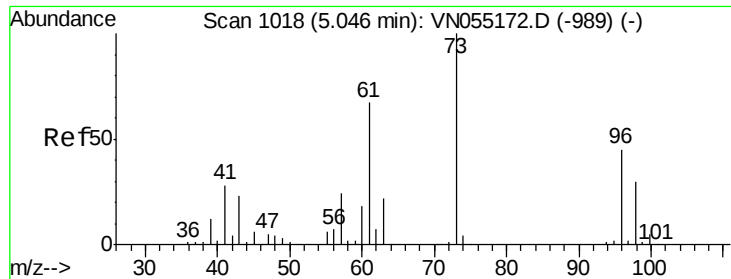
MMDadoda
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#18
Methyl Acetate
Concen: 51.606 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.8	16.7	25.1





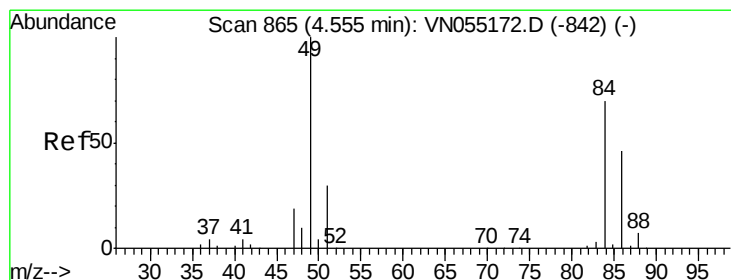
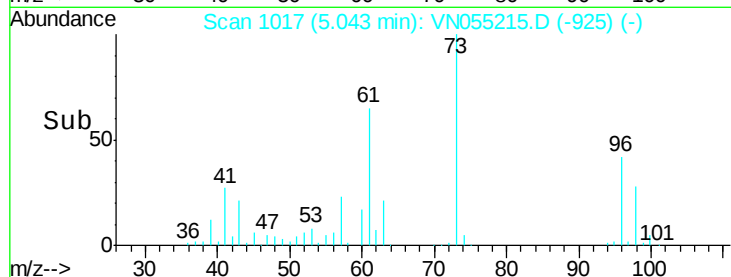
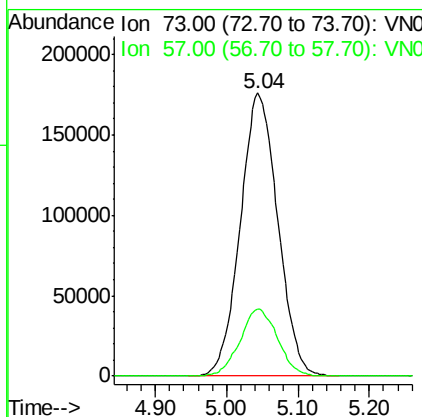
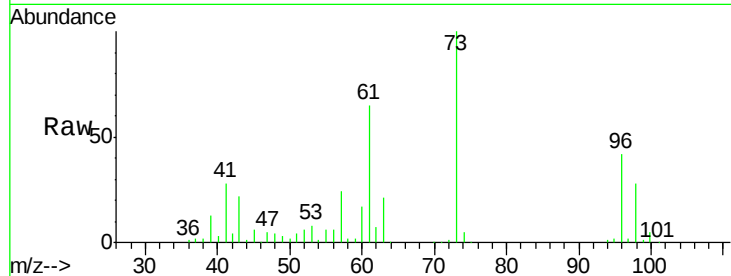
#19
Methvl tert-butvl Ether
Concen: 49.464 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 642091
Ion Ratio Lower Upper
73 100
57 23.7 19.5 29.3

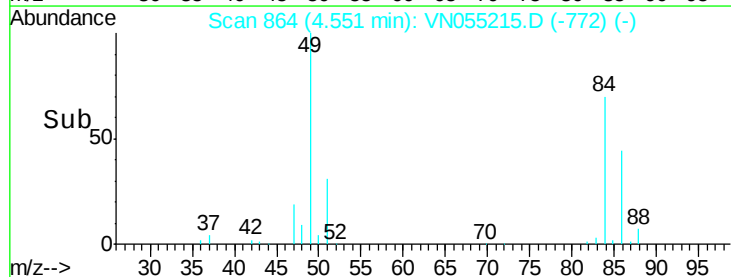
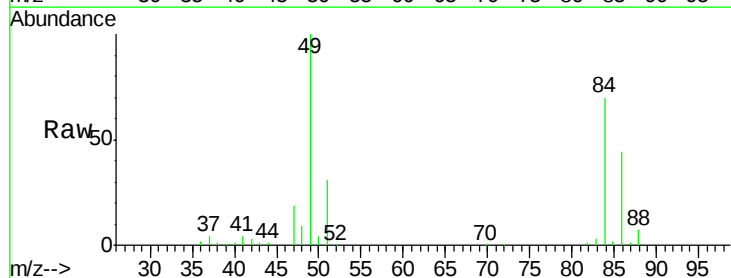
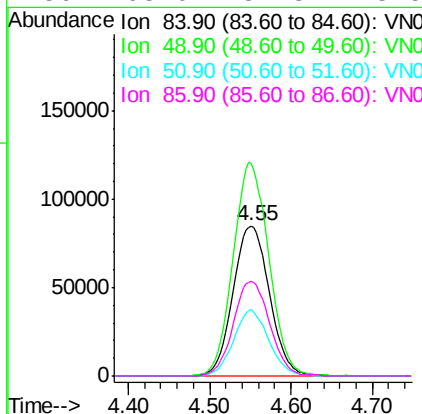
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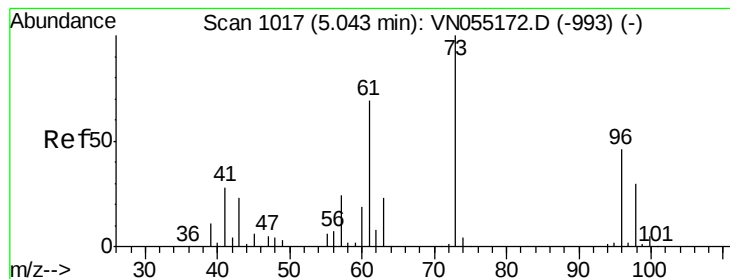
MMDadoda
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#20
Methylene Chloride
Concen: 44.776 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion: 84 Resp: 262850
Ion Ratio Lower Upper
84 100
49 142.2 113.8 170.6
51 44.5 34.0 51.0
86 63.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 48.802 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 240268

Ion Ratio Lower Upper

96 100

61 153.0 119.3 178.9

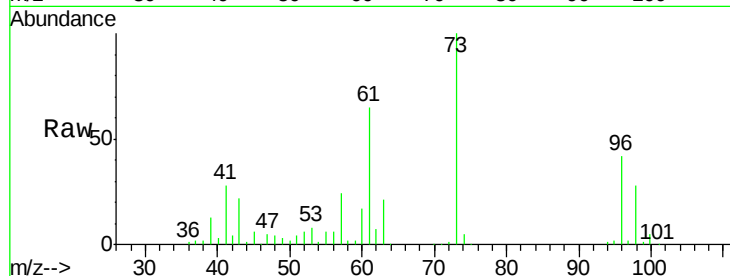
98 65.2 53.0 79.4

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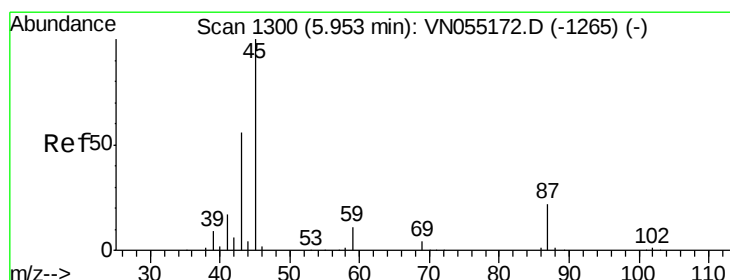
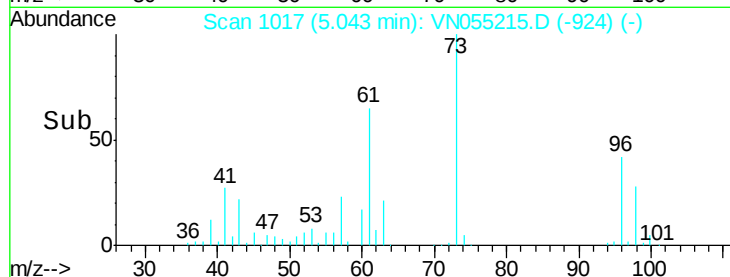
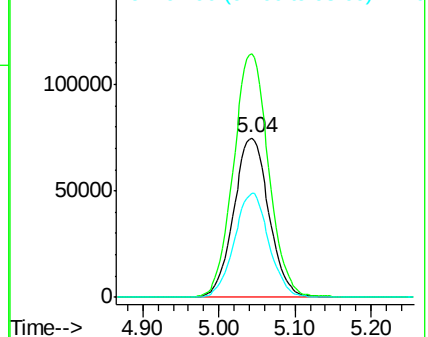


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 49.324 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Tgt Ion: 45 Resp: 912560

Ion Ratio Lower Upper

45 100

43 61.0 47.4 71.0

87 22.6 18.4 27.6

59 10.5 8.6 12.8

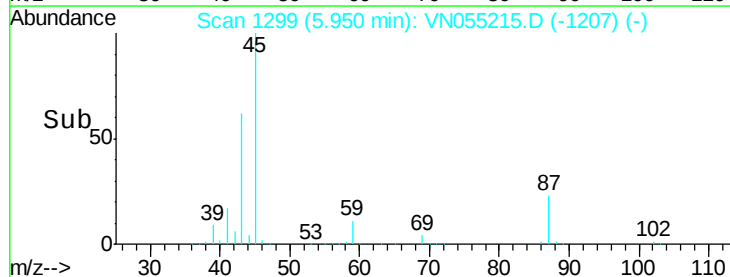
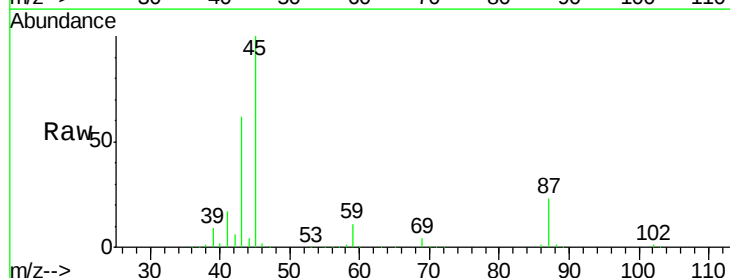
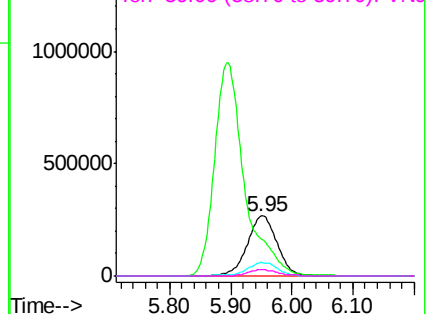
Abundance

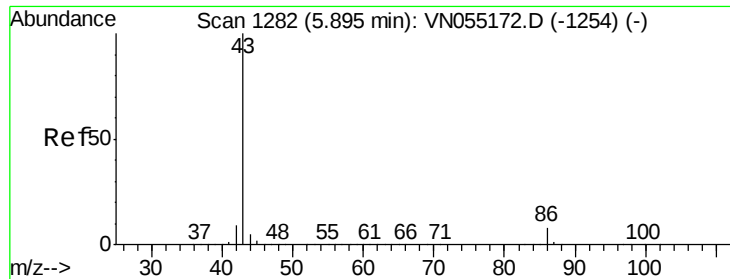
Ion 45.00 (44.70 to 45.70): VNC

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





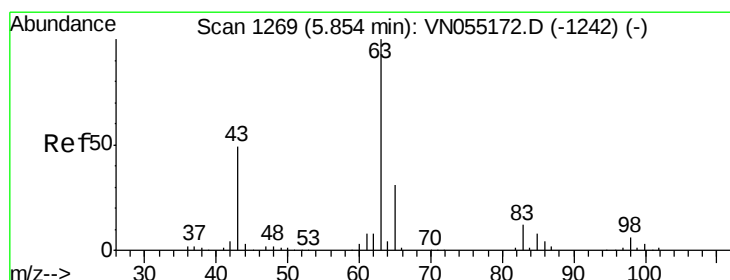
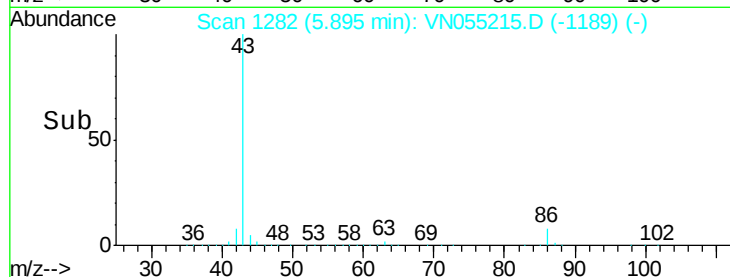
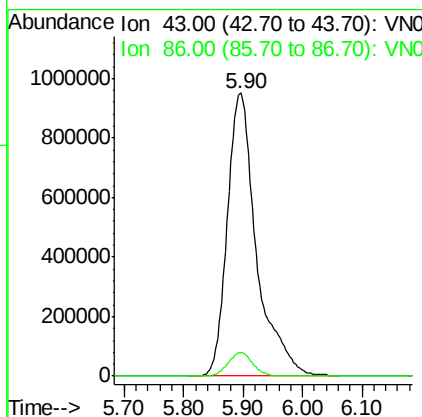
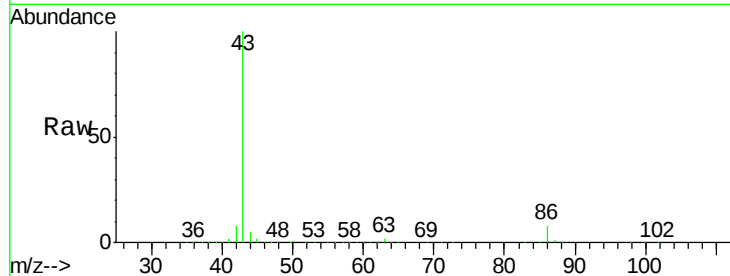
#23
 Vinyl Acetate
 Concen: 260.755 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055215.D
 Acq: 24 Apr 2019 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3241896
 Ion Ratio Lower Upper
 43 100
 86 8.4 6.8 10.2

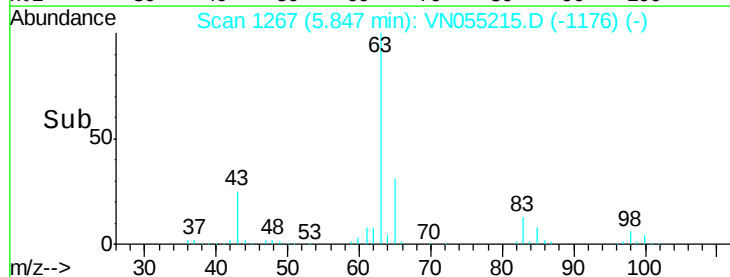
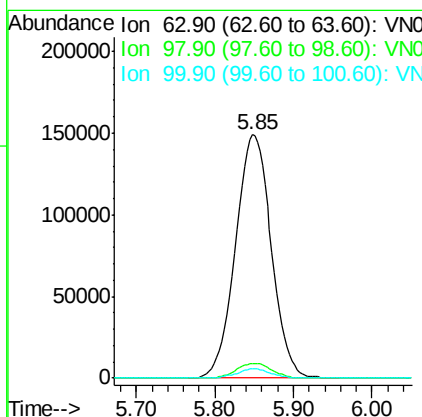
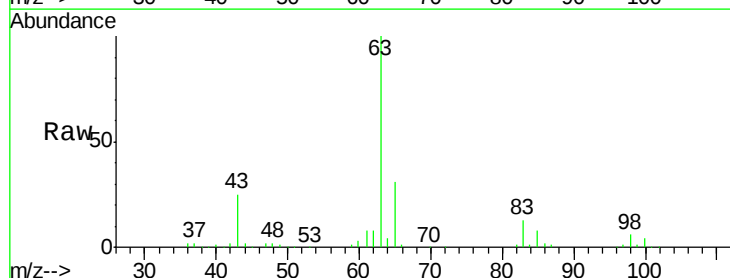
Manual Integrations
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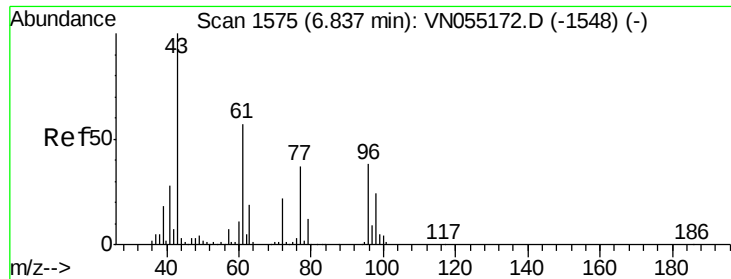
MMDadoda
 4/25/2019 12:39:57 PM



#24
 1,1-Dichloroethane
 Concen: 47.613 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VN055215.D
 Acq: 24 Apr 2019 9:41

Tgt Ion: 63 Resp: 473820
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.1 9.3
 100 3.9 1.8 5.3





#25

2-Butanone

Concen: 247.448 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 652329

Ion Ratio Lower Upper

43 100

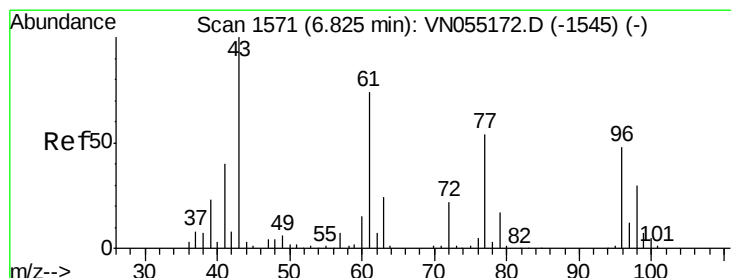
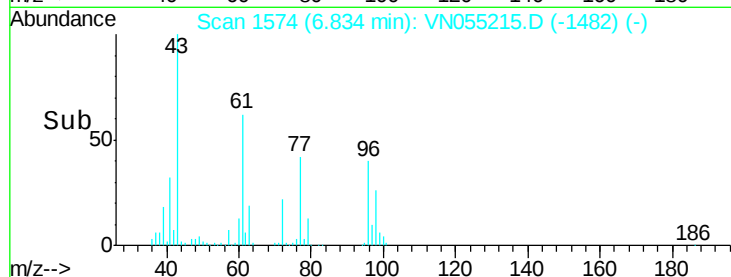
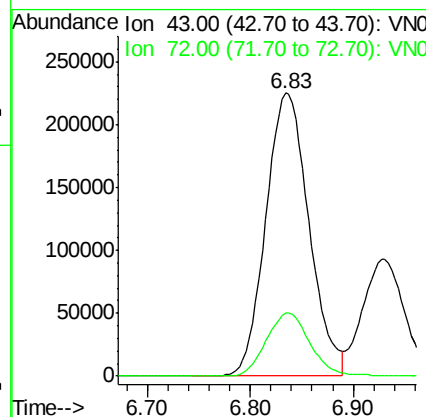
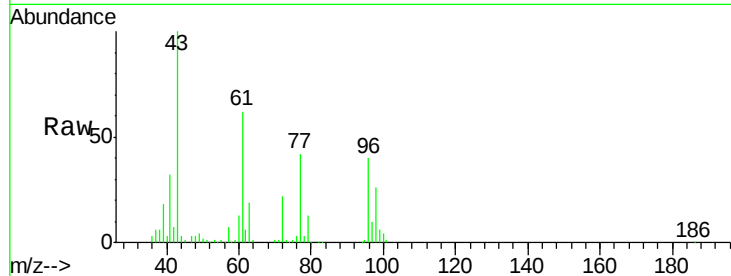
72 22.4 17.8 26.8

Manual Integrations

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MMDadoda

4/25/2019 12:39:57 PM



#26

2,2-Dichloropropane

Concen: 49.393 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055215.D

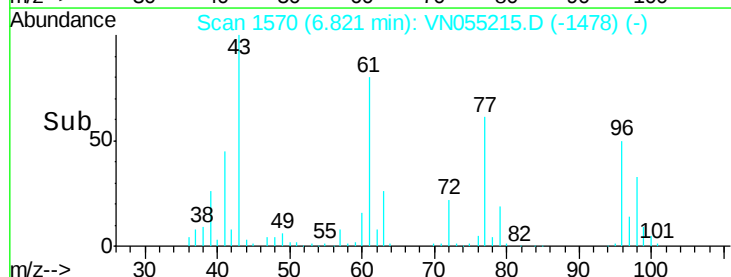
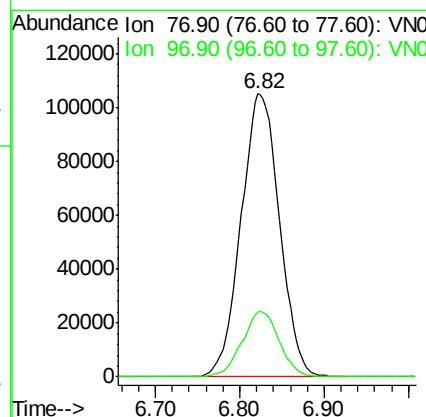
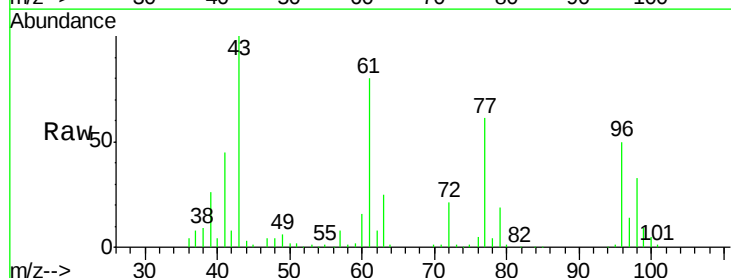
Acq: 24 Apr 2019 9:41

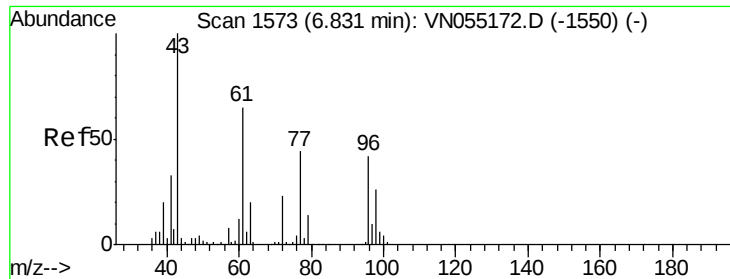
Tgt Ion: 77 Resp: 332629

Ion Ratio Lower Upper

77 100

97 22.4 11.3 33.8





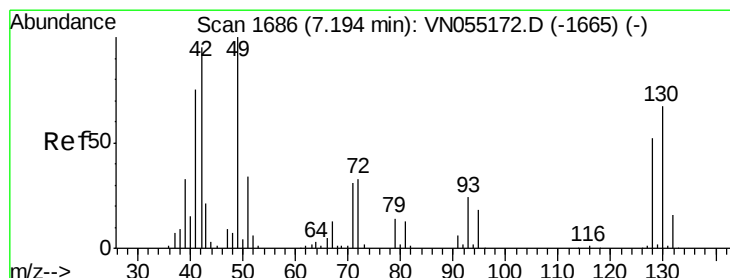
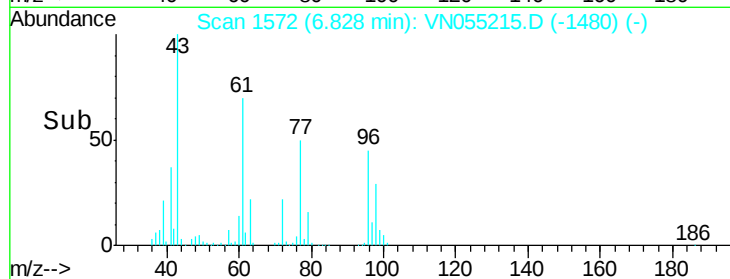
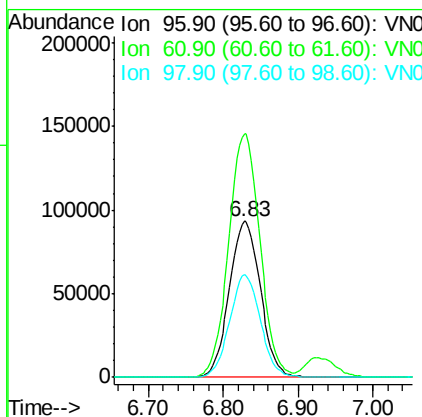
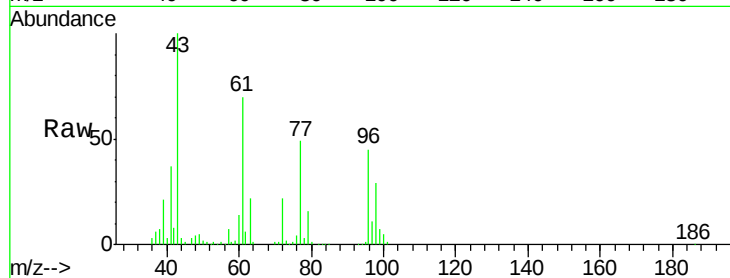
#27
 cis-1,2-Dichloroethene
 Concen: 47.695 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN055215.D
 Acq: 24 Apr 2019 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	270689		
61	156.4	0.0	310.8	
98	64.8	0.0	127.4	

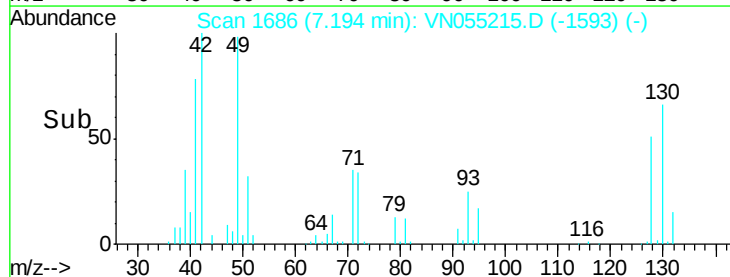
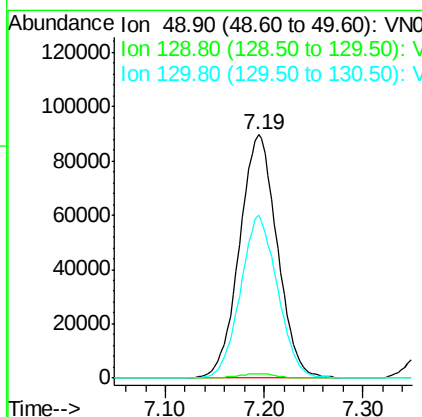
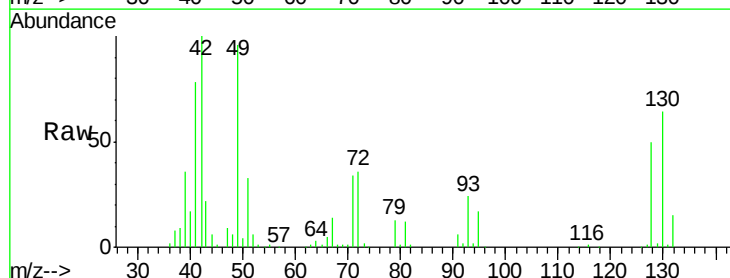
Manual Integrations
 APPROVED

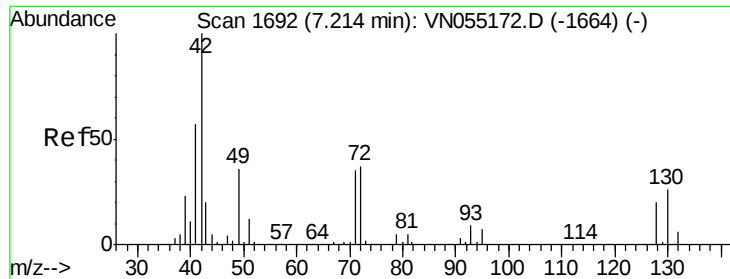
MMDadoda
 4/25/2019 12:39:57 PM



#28
 Bromochloromethane
 Concen: 46.850 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055215.D
 Acq: 24 Apr 2019 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	237662		
129	1.8	0.0	3.8	
130	65.6	53.4	80.2	





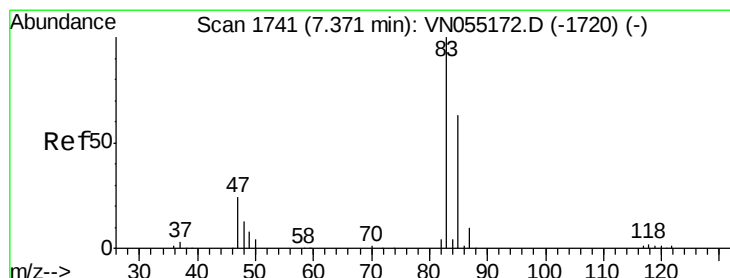
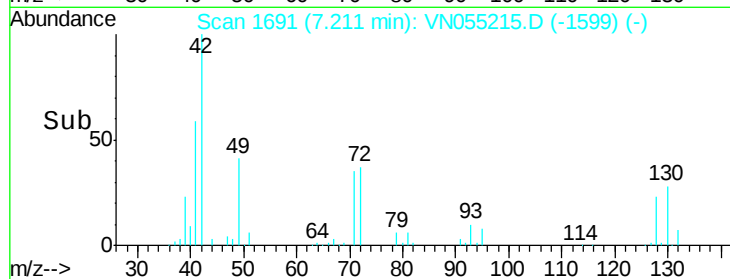
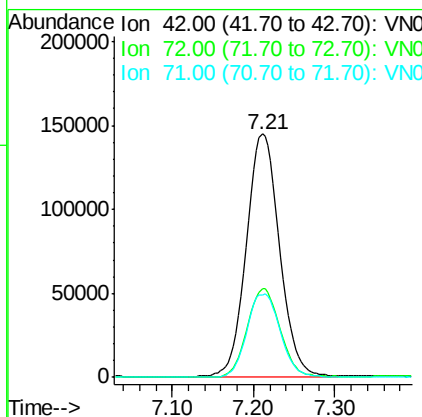
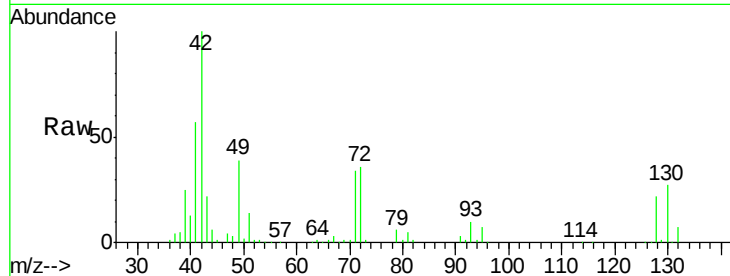
#29
Tetrahydrofuran
Concen: 251.061 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	36.1	29.4	44.2	
71	34.5	27.8	41.8	

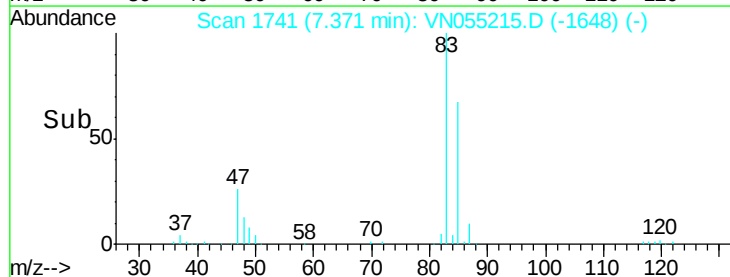
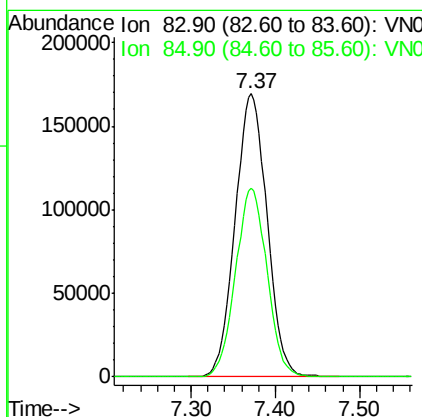
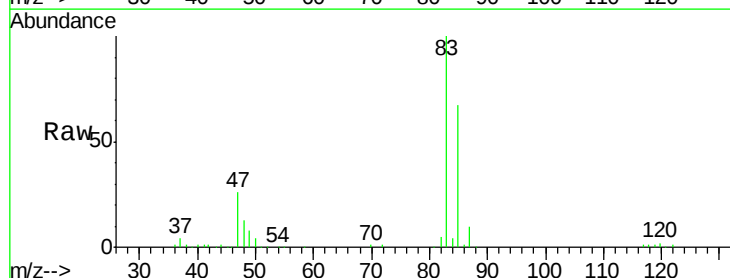
Manual Integrations
APPROVED

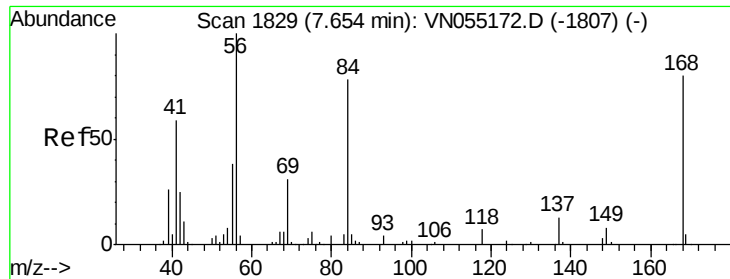
MMDadoda
4/25/2019 12:39:57 PM



#30
Chloroform
Concen: 47.179 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	66.8	50.6	76.0	





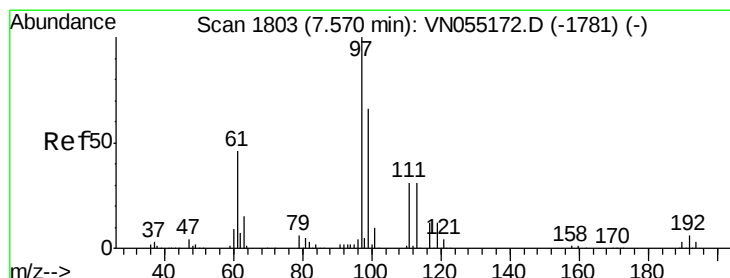
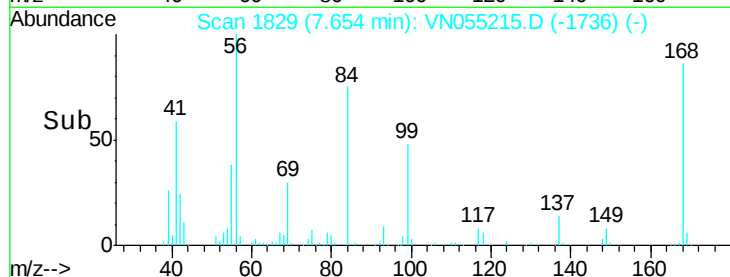
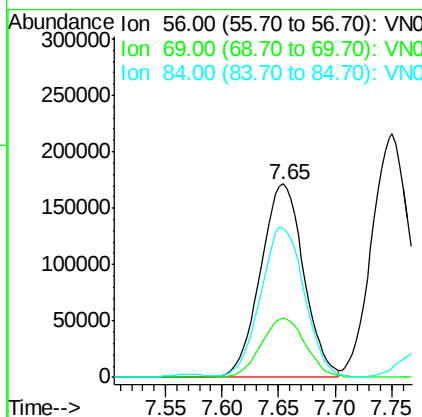
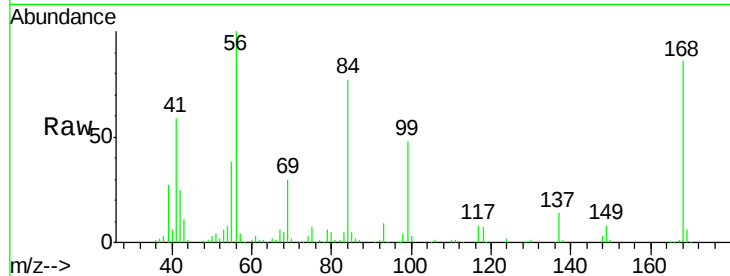
#31
Cyclohexane
Concen: 48.783 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.4	24.6	37.0
84	75.6	61.4	92.2

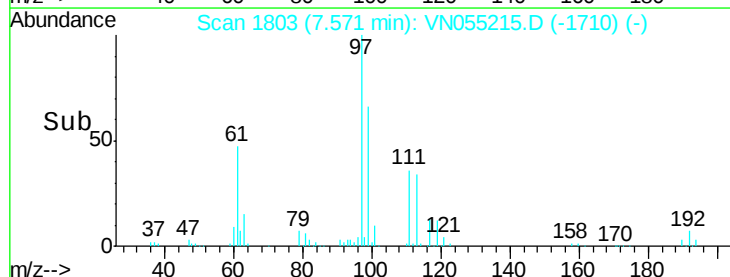
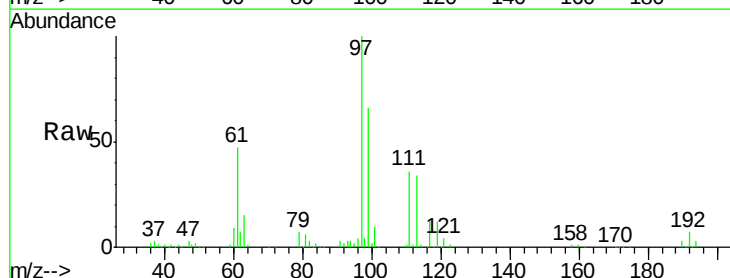
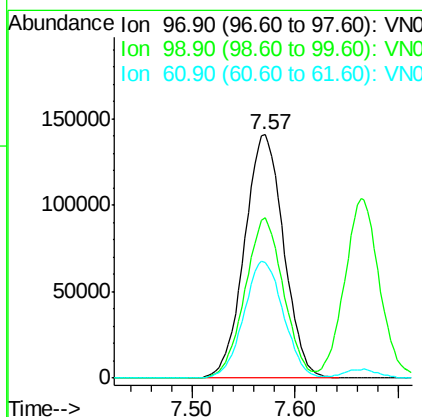
Manual Integrations
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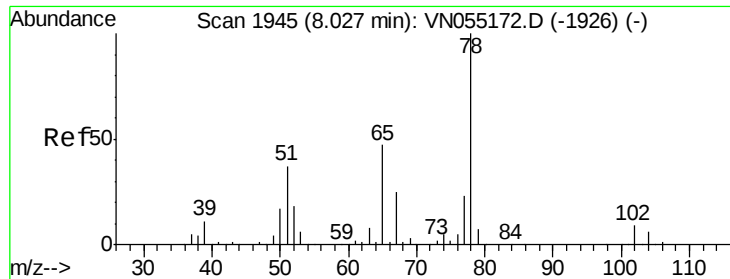
MMDadoda
4/25/2019 12:39:57 PM



#32
1,1,1-Trichloroethane
Concen: 48.874 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.1	76.7
61	48.5	38.3	57.5





#33

1,2-Dichloroethane-d4

Concen: 47.844 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 295524

Ion Ratio Lower Upper

65 100

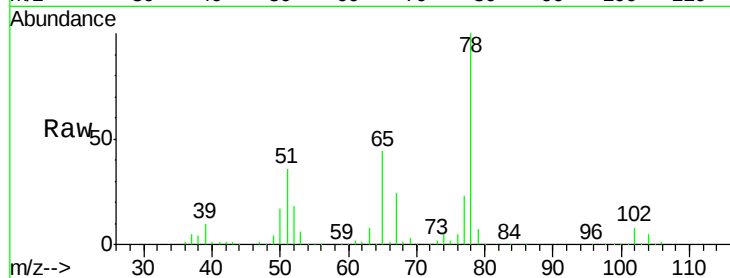
67 53.1 0.0 108.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN055172.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055172.D (-1926) (-)

8.03

150000

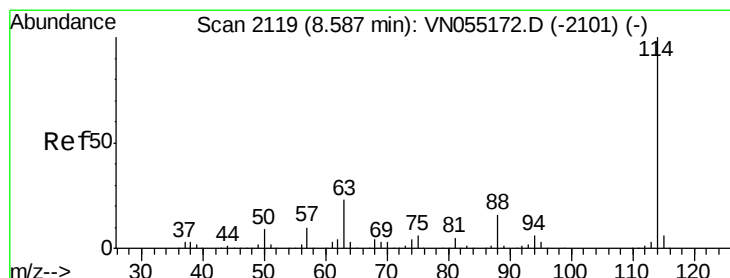
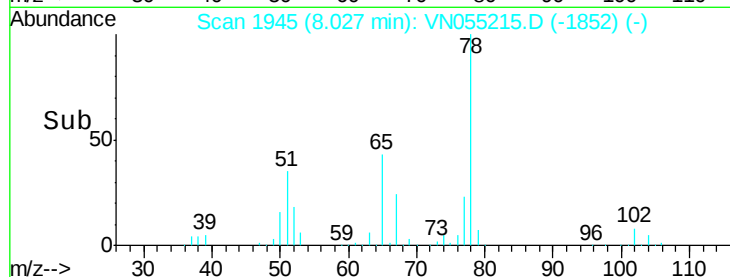
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

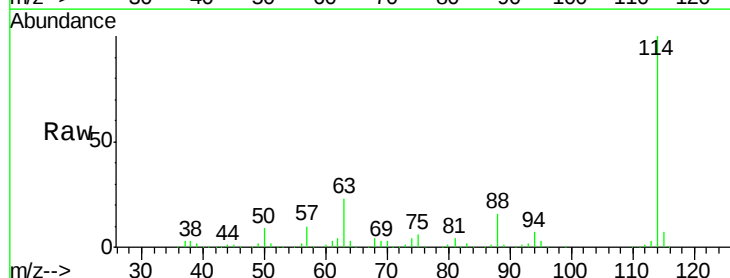
Tgt Ion: 114 Resp: 707829

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.2

88 15.8 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): VN055172.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN055172.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN055172.D (-2101) (-)

8.58

400000

300000

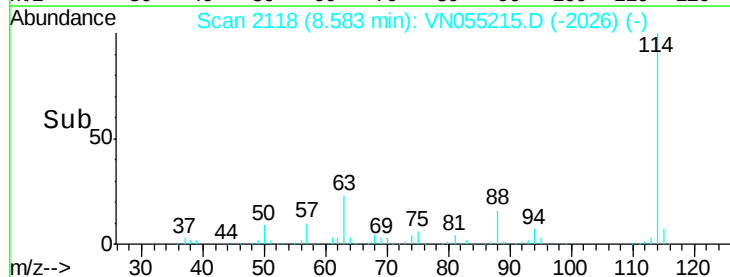
200000

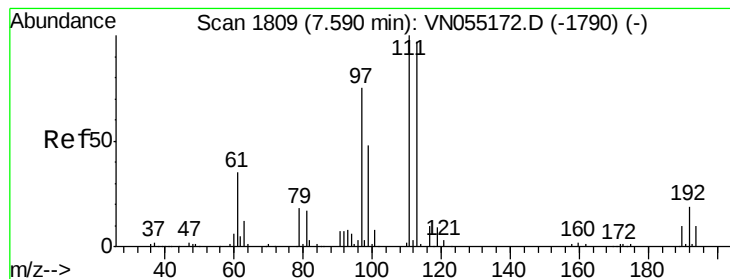
100000

0

8.40 8.50 8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 49.092 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

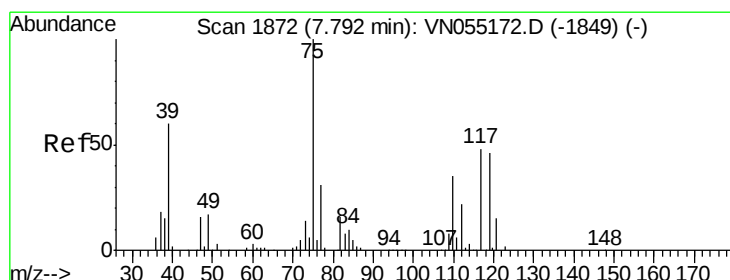
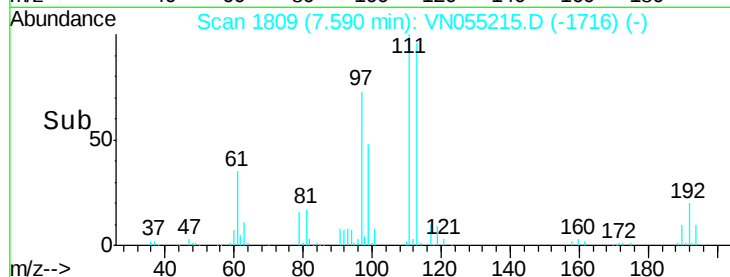
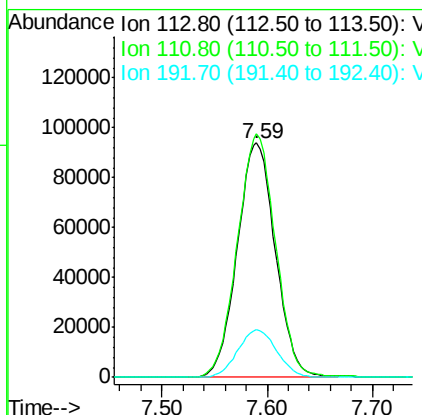
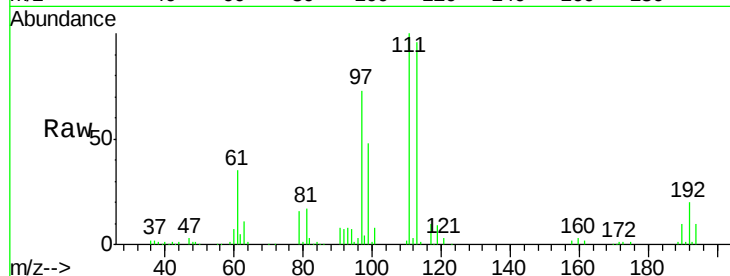
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	236065
Ion Ratio	Lower	Upper	
113	100		
111	104.3	81.0	121.4
192	20.8	16.2	24.4

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#36

1,1-Dichloropropene

Concen: 52.183 ug/l

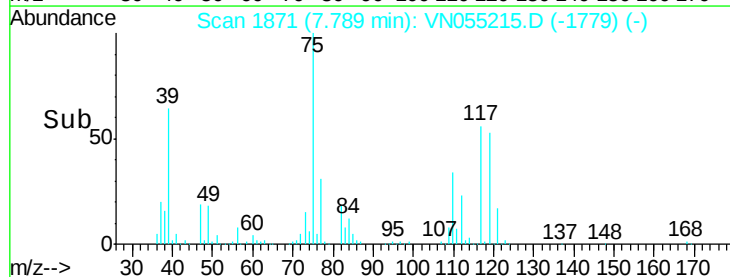
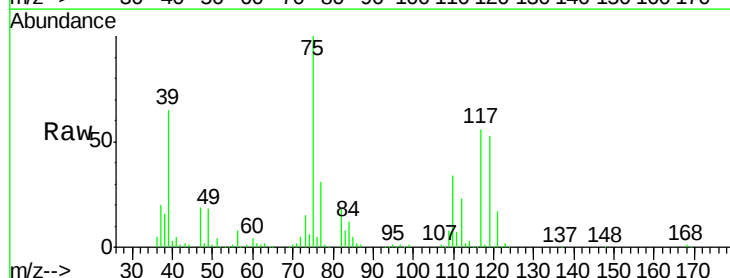
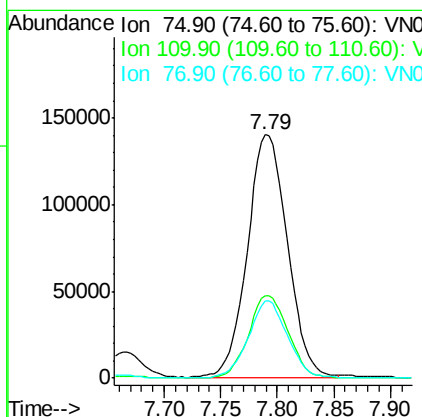
RT: 7.79 min Scan# 1871

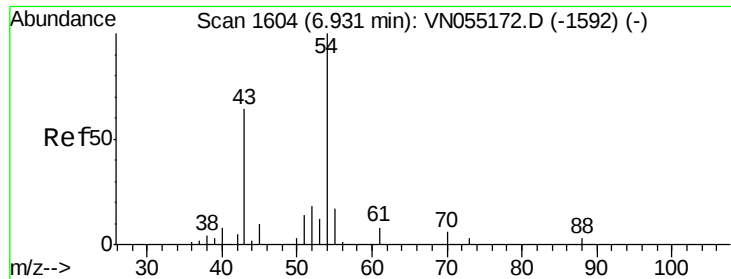
Delta R.T. -0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Tgt Ion:	75	Resp:	342827
Ion Ratio	Lower	Upper	
75	100		
110	33.9	17.1	51.2
77	31.5	24.6	36.8





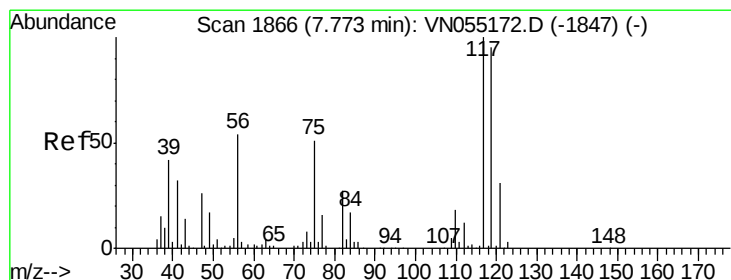
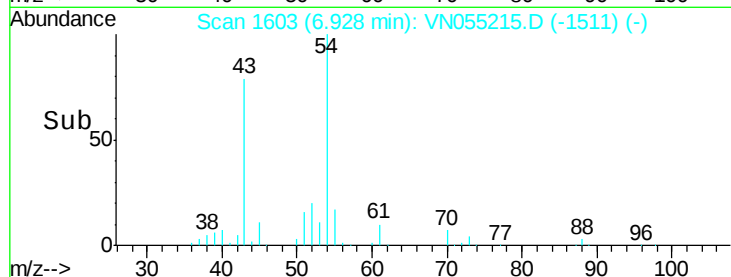
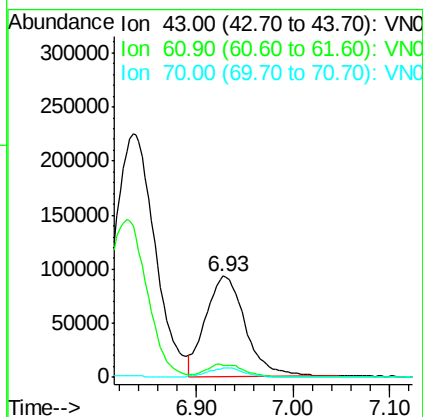
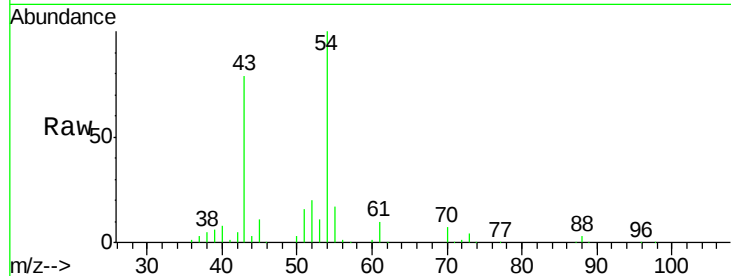
#37
Ethyl Acetate
Concen: 49.966 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	9.7	14.5
70	8.5	6.9	10.3

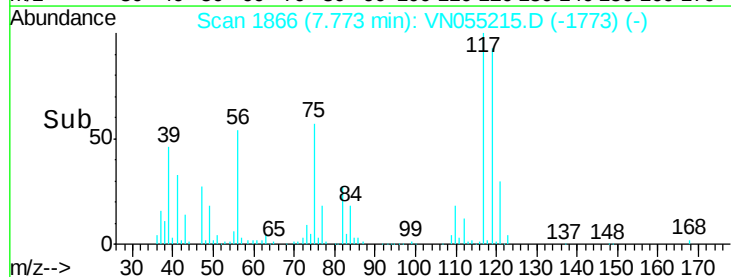
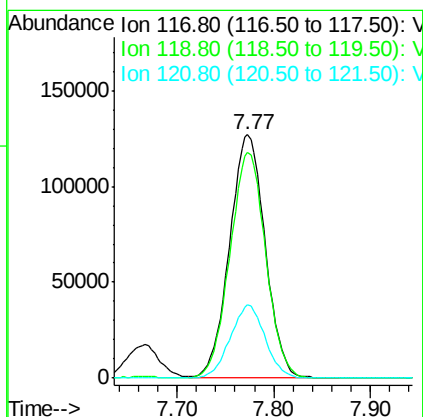
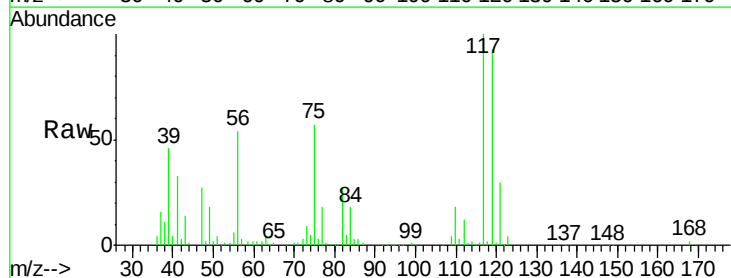
Manual Integrations
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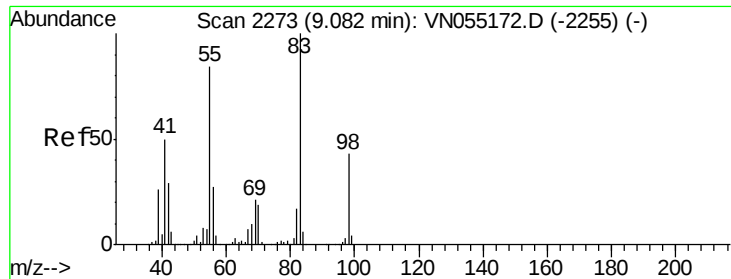
MMDadoda
4/25/2019 12:39:57 PM



#38
Carbon Tetrachloride
Concen: 52.599 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.0	114.0
121	30.0	24.6	36.8





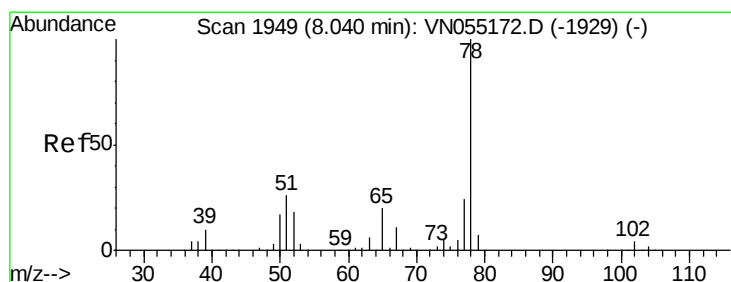
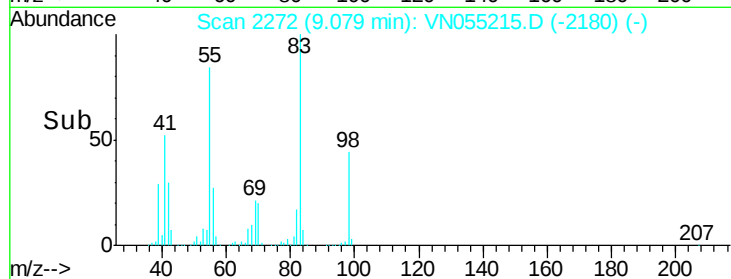
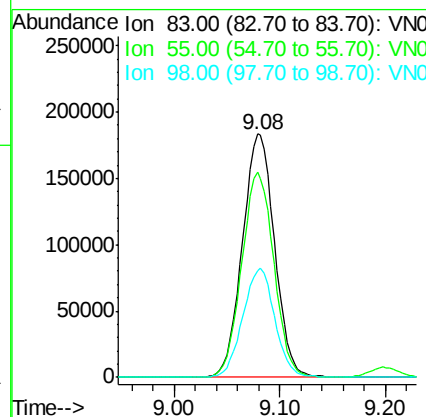
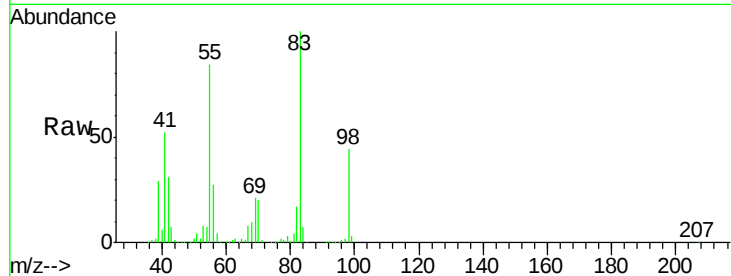
#39
Methvlcvclohexane
Concen: 49.564 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.2	67.4	101.0
98	44.0	34.7	52.1

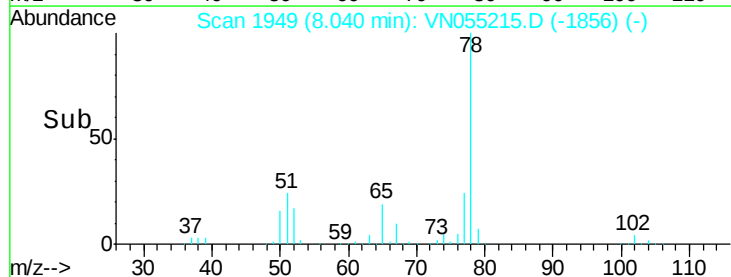
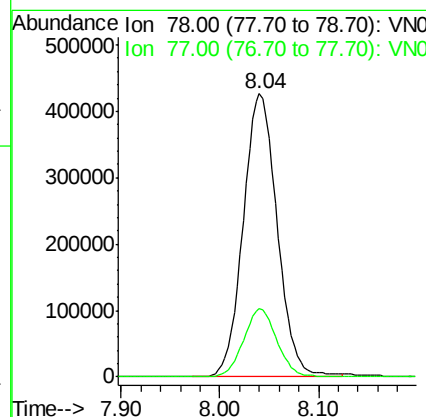
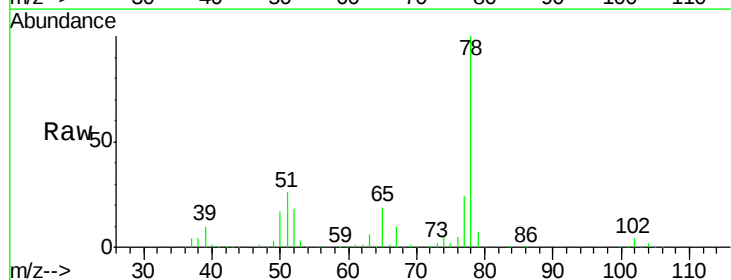
Manual Integrations
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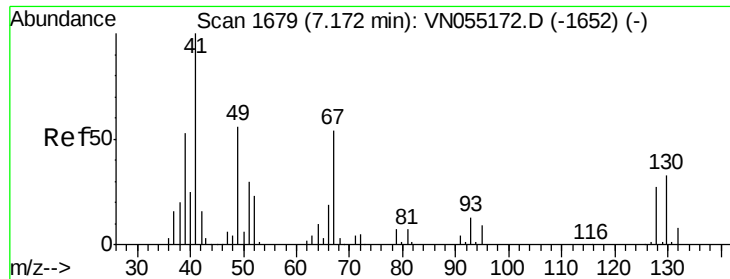
MMDadoda
4/25/2019 12:39:57 PM



#40
Benzene
Concen: 50.088 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.5	29.3





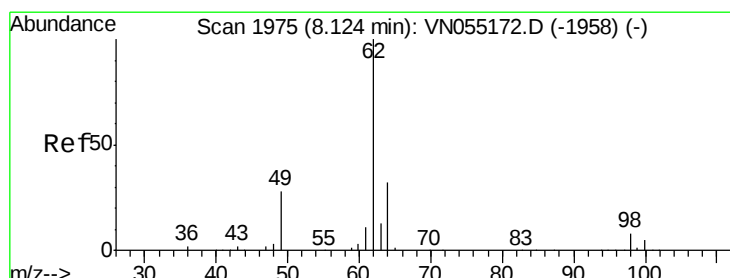
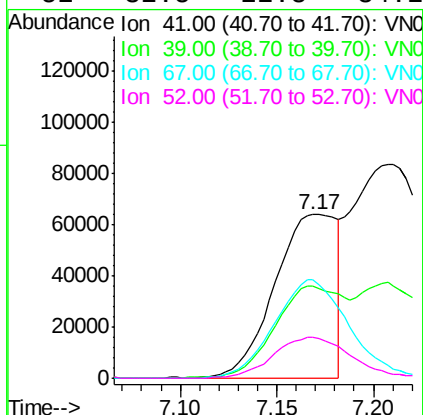
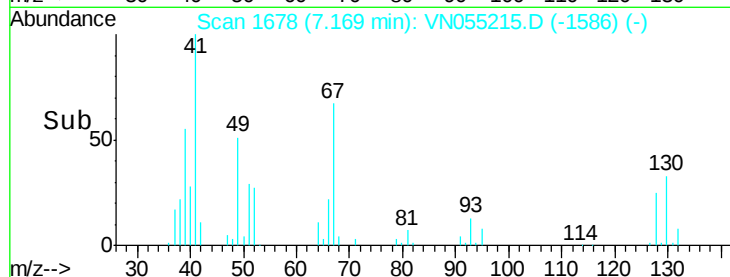
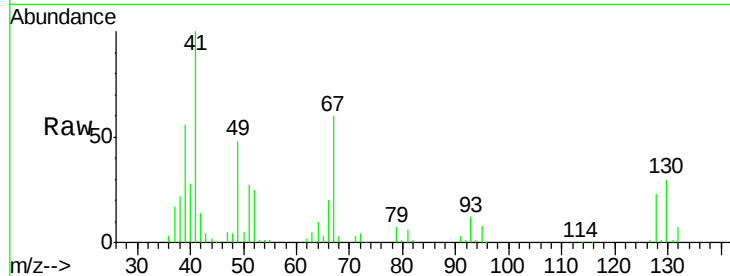
#41
Methacrylonitrile
Concen: 51.115 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	63.2	45.4	68.0		
67	73.3	54.6	81.8		
52	32.5	22.8	34.2		

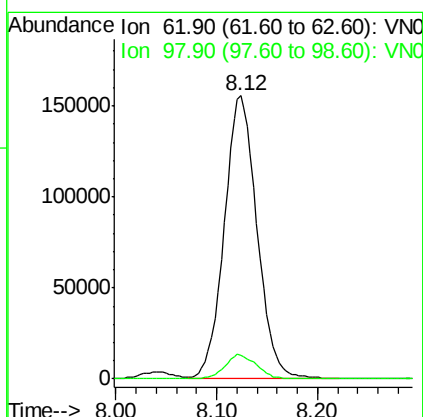
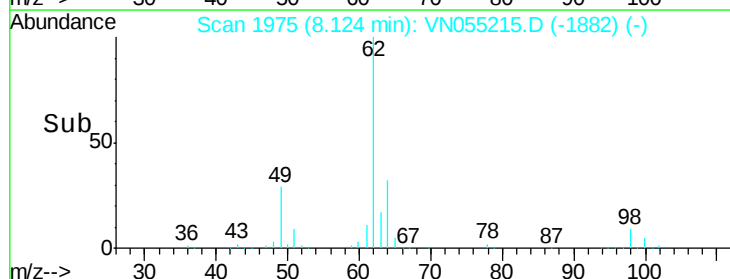
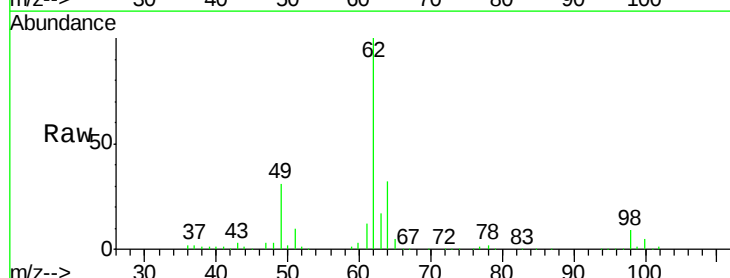
Manual Integrations
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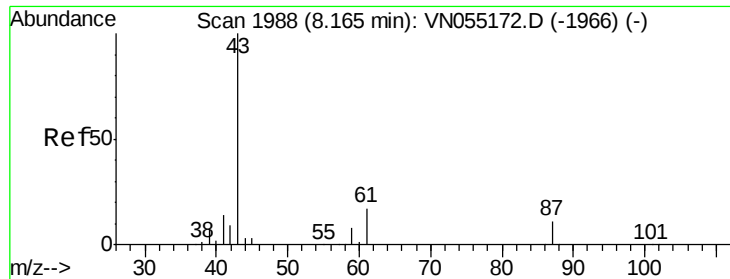
MMDadoda
4/25/2019 12:39:57 PM



#42
1,2-Dichloroethane
Concen: 49.530 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.4	0.0	17.0		





#43

Isopropyl Acetate

Concen: 53.631 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

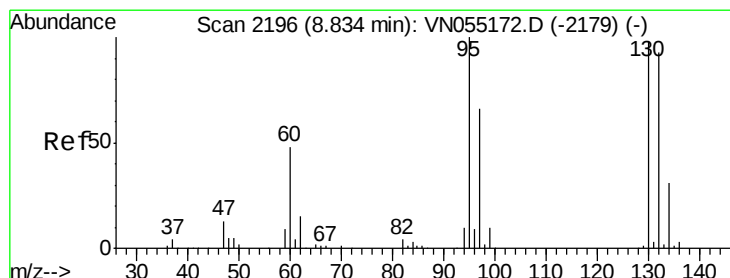
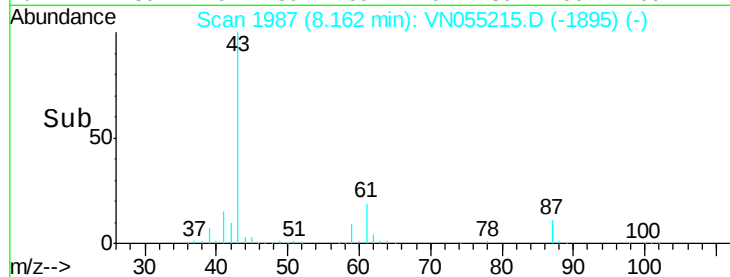
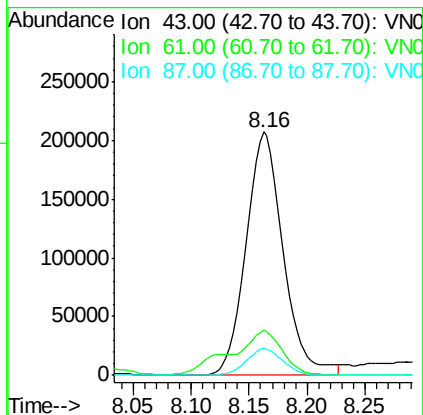
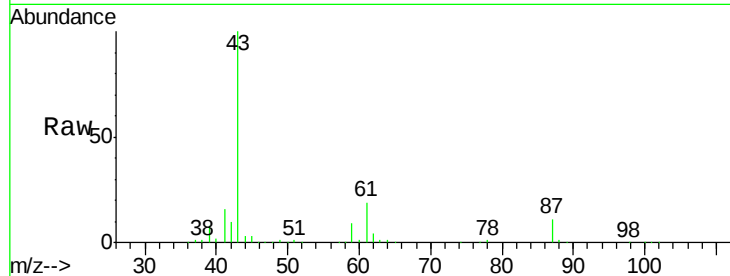
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	460464
Ion Ratio	Lower	Upper	
43	100		
61	17.2	20.6	30.8#
87	10.9	8.8	13.2

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4/25/2019 12:39:57 PM



#44

Trichloroethene

Concen: 50.870 ug/l

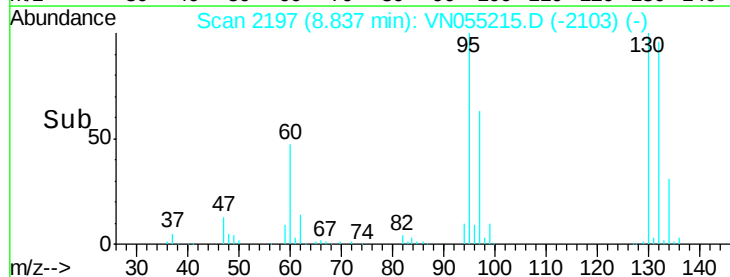
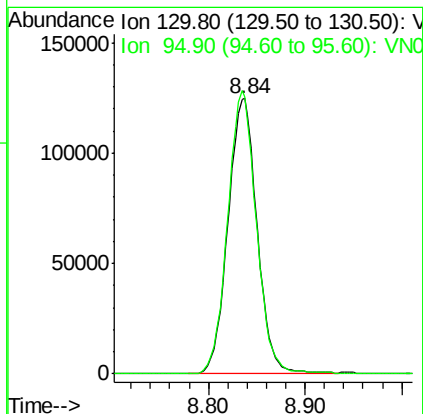
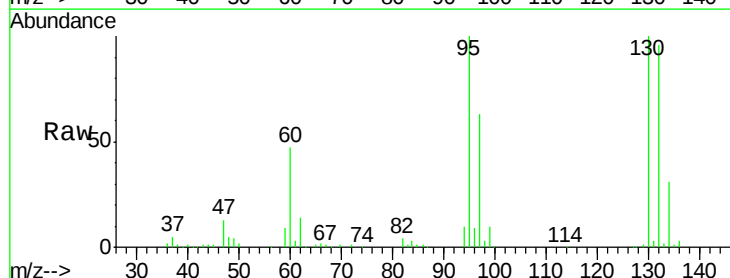
RT: 8.84 min Scan# 2197

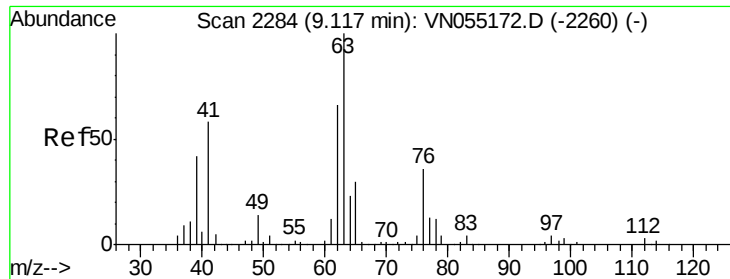
Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Tgt Ion:	130	Resp:	260754
Ion Ratio	Lower	Upper	
130	100		
95	100.4	0.0	203.6





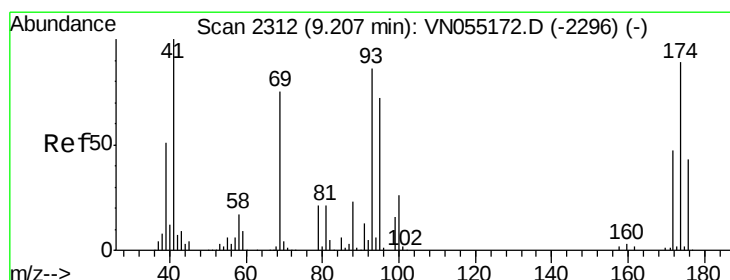
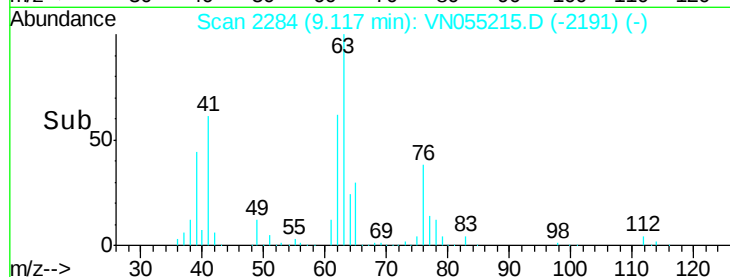
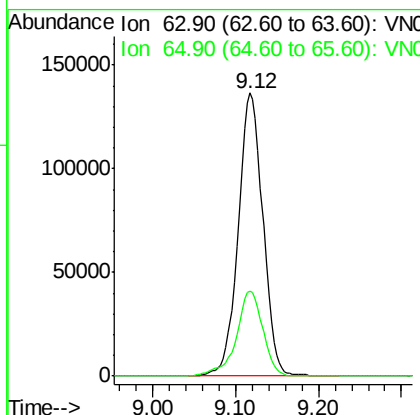
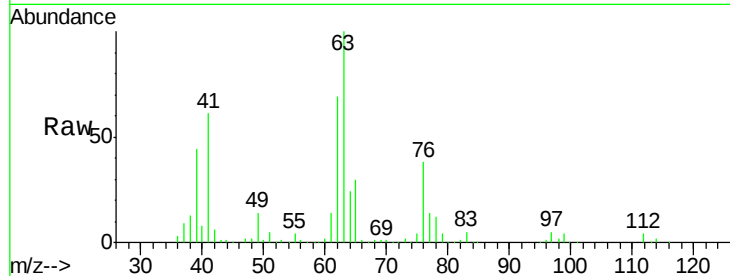
#45
 1,2-Dichloropropane
 Concen: 49.668 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055215.D
 Acq: 24 Apr 2019 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 284333
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.8 35.6

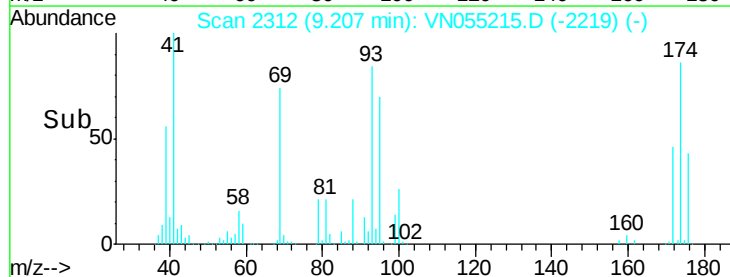
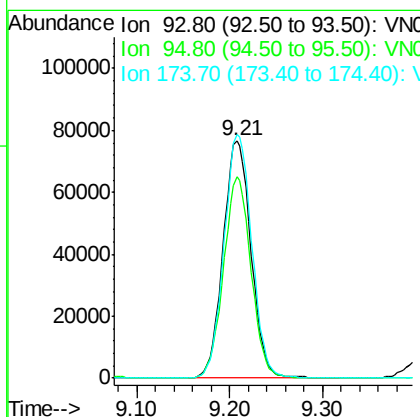
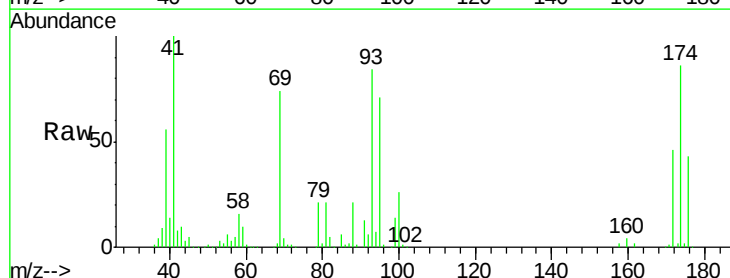
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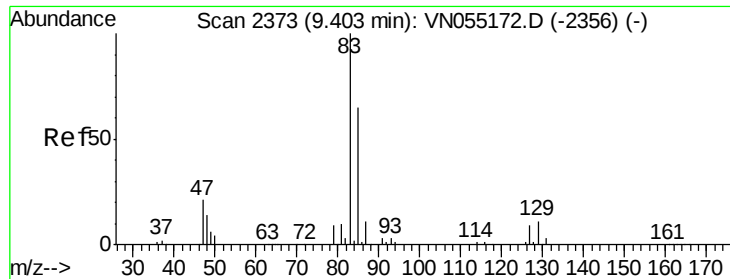
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#46
 Dibromomethane
 Concen: 48.875 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055215.D
 Acq: 24 Apr 2019 9:41

Tgt Ion: 93 Resp: 160170
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.6 101.4
 174 102.1 83.4 125.2





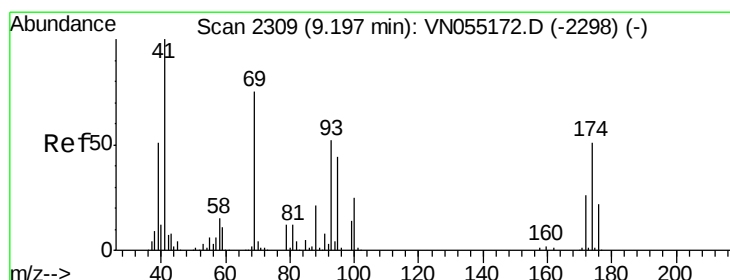
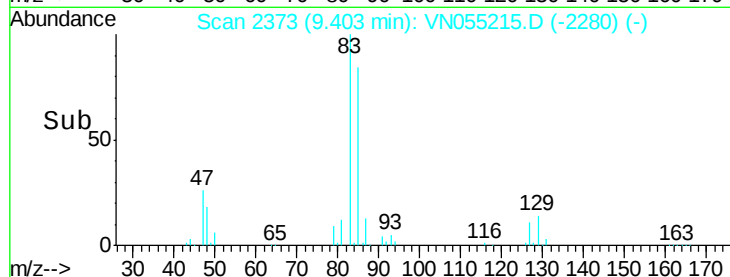
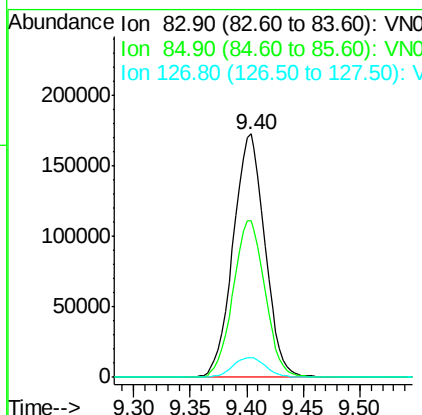
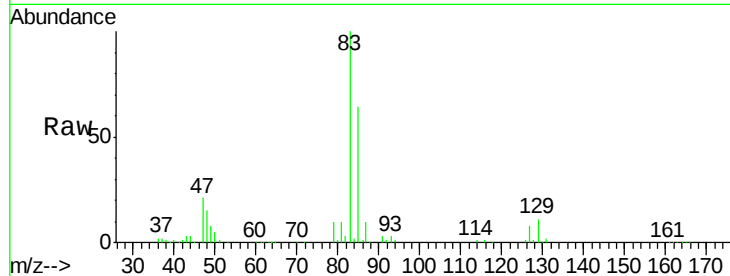
#47
Bromodichloromethane
Concen: 51.678 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	339030
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	52.1	78.1
127	8.3	6.9	10.3

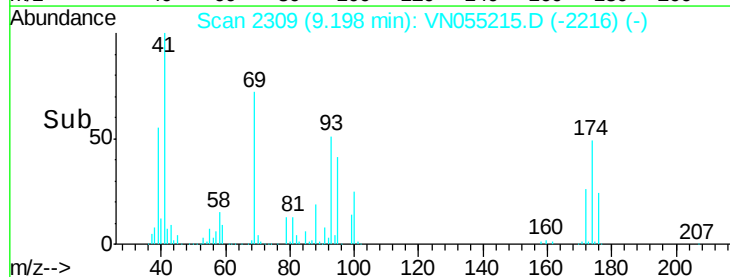
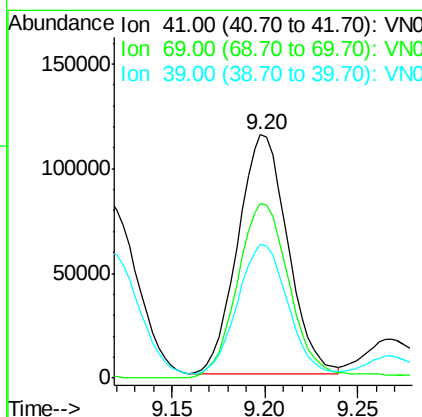
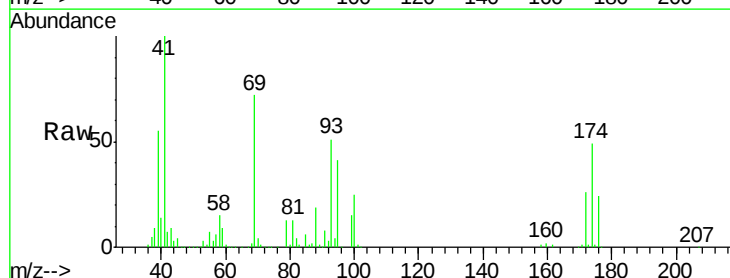
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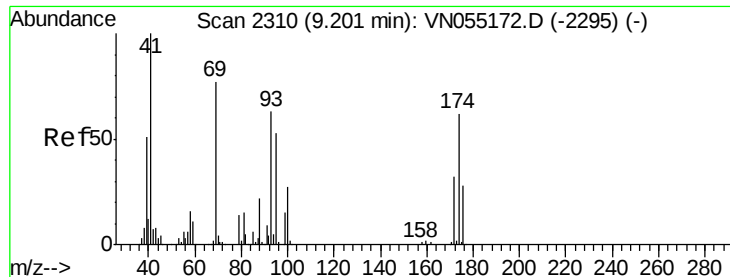
MMDadoda
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#48
Methyl methacrylate
Concen: 51.332 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion	41	Resp	213781
Ion Ratio	100	Lower	Upper
41	100		
69	78.1	63.6	95.4
39	57.2	43.8	65.8





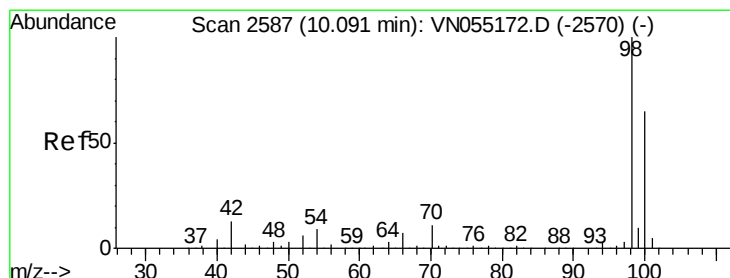
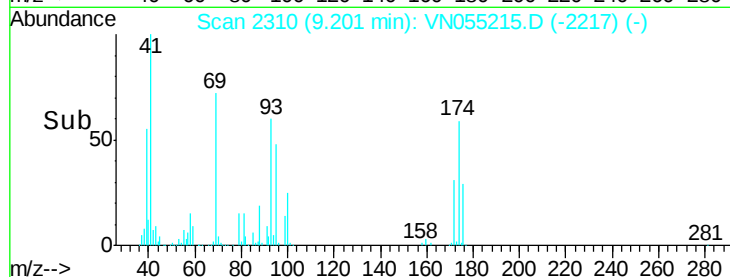
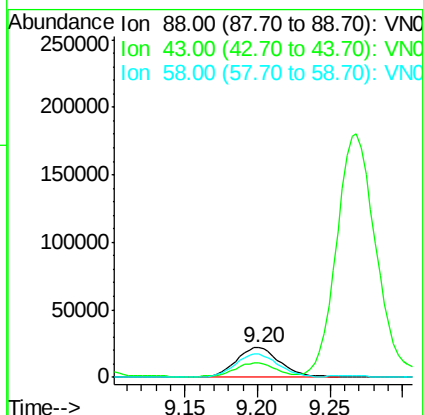
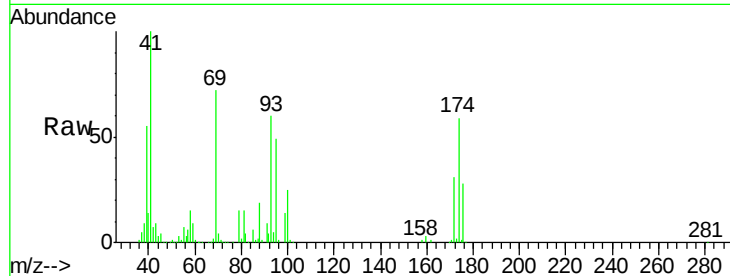
#49
1,4-Dioxane
Concen: 967.392 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.6	32.0	48.0
58	78.0	60.4	90.6

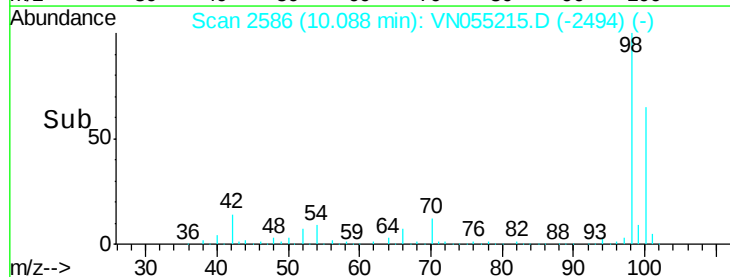
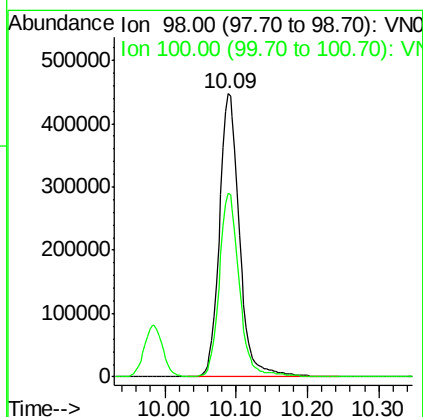
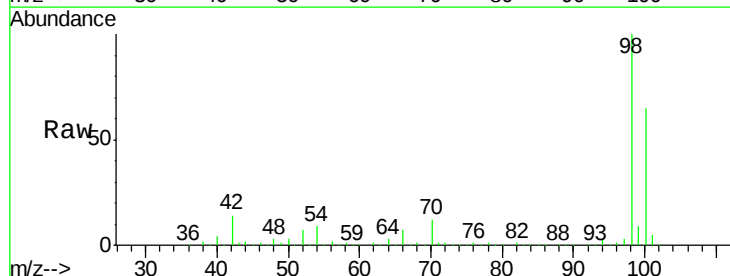
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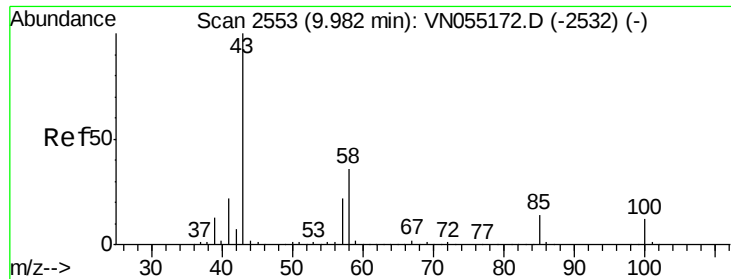
MMDadoda
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#50
Toluene-d8
Concen: 48.808 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.8	77.6





#51

4-Methyl-2-Pentanone

Concen: 256.205 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1265775

Ion Ratio Lower Upper

43 100

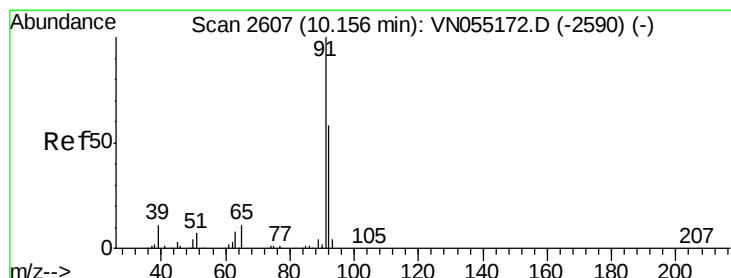
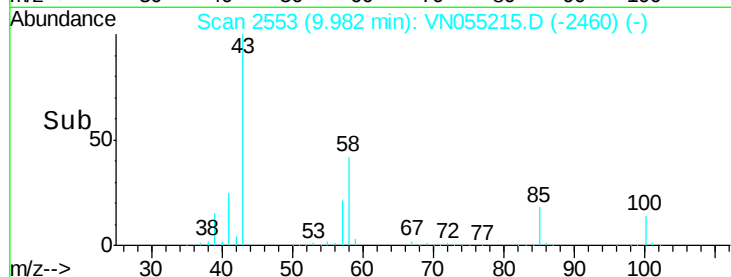
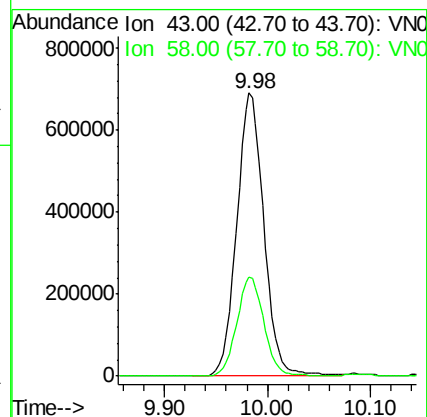
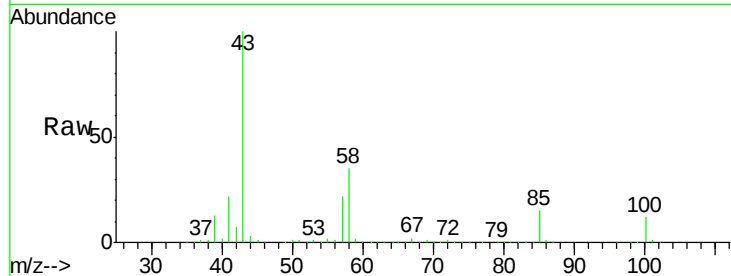
58 35.2 28.3 42.5

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#52

Toluene

Concen: 49.872 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055215.D

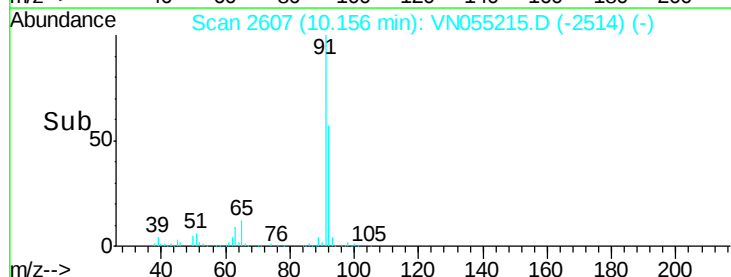
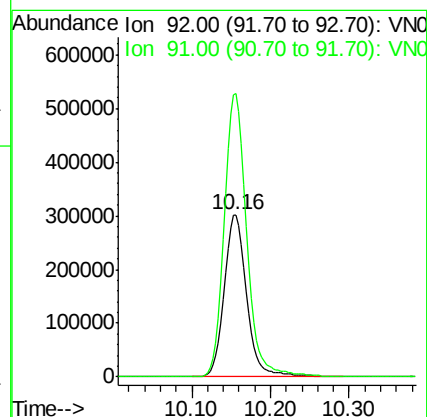
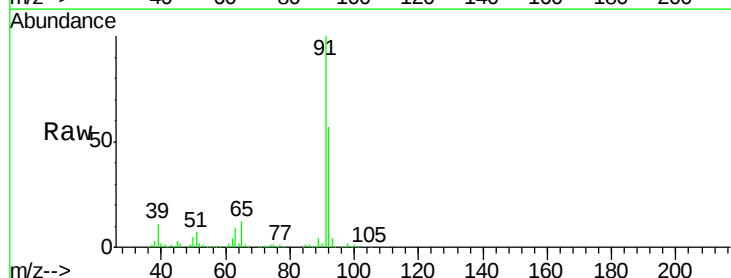
Acq: 24 Apr 2019 9:41

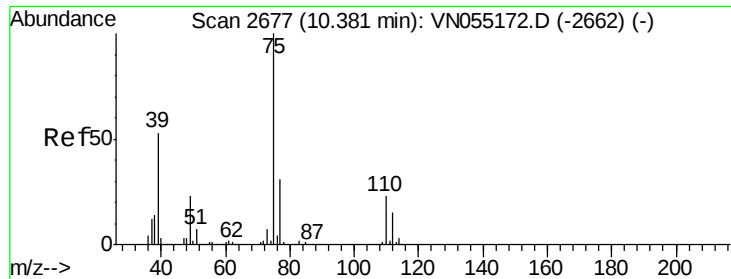
Tgt Ion: 92 Resp: 592926

Ion Ratio Lower Upper

92 100

91 175.5 138.7 208.1





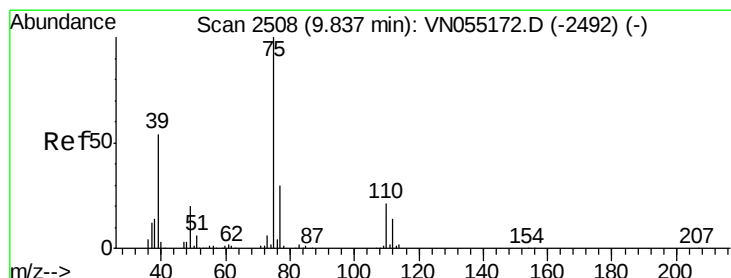
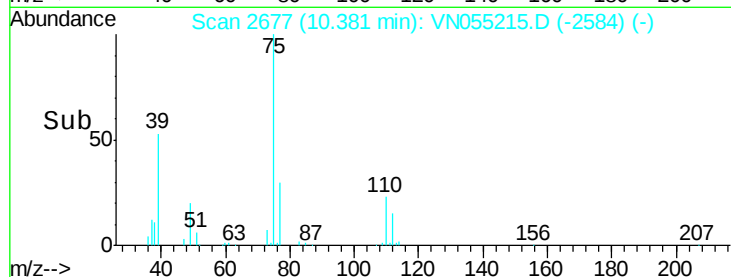
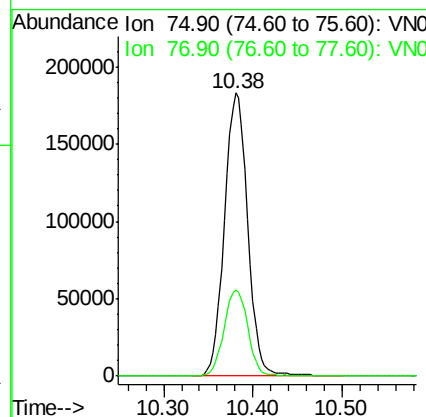
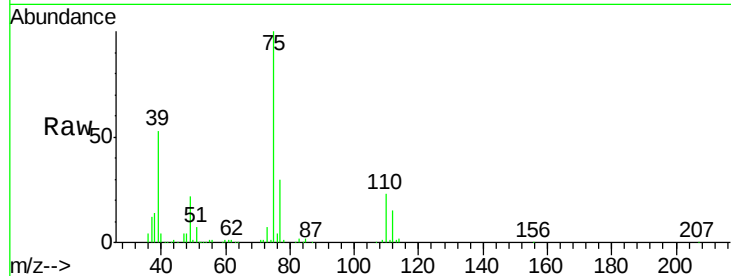
#53
t-1,3-Dichloropropene
Concen: 54.876 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 330389
Ion Ratio Lower Upper
75 100
77 30.3 25.1 37.7

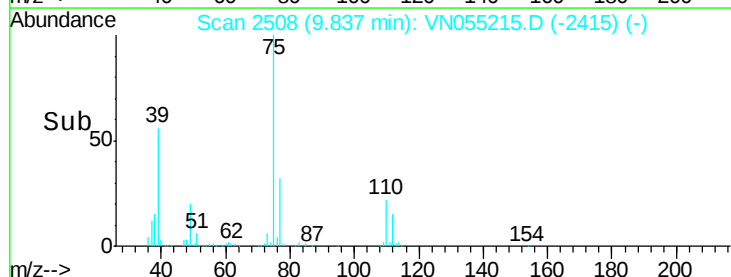
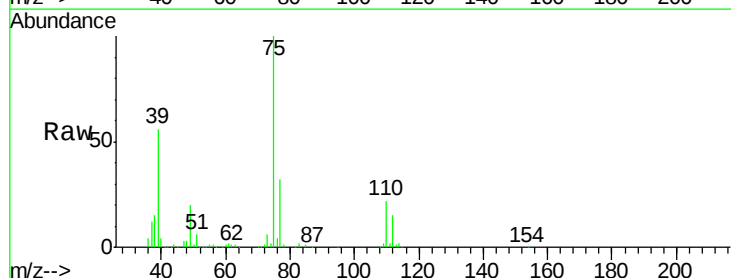
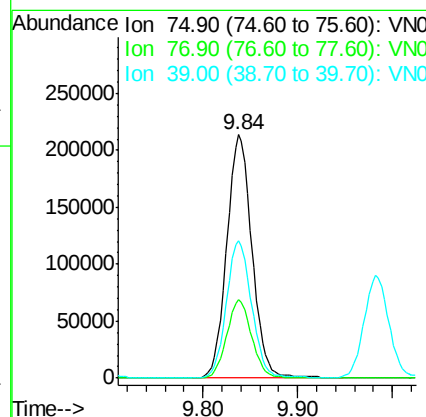
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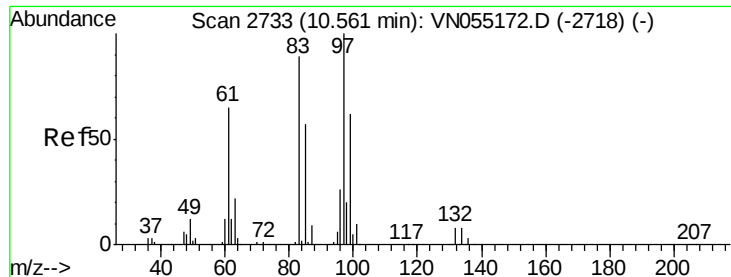
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#54
cis-1,3-Dichloropropene
Concen: 52.997 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion: 75 Resp: 395957
Ion Ratio Lower Upper
75 100
77 32.2 24.3 36.5
39 56.3 43.0 64.4





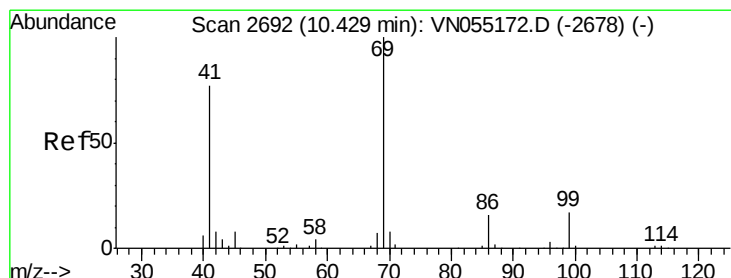
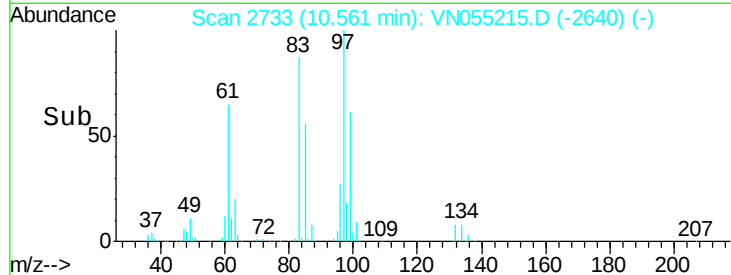
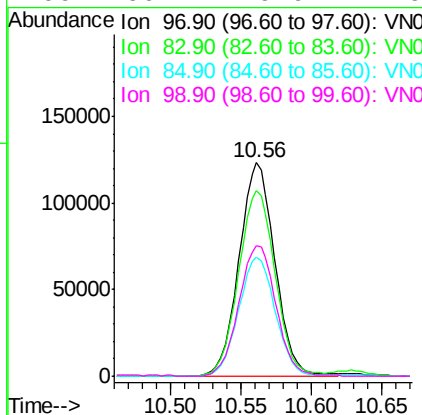
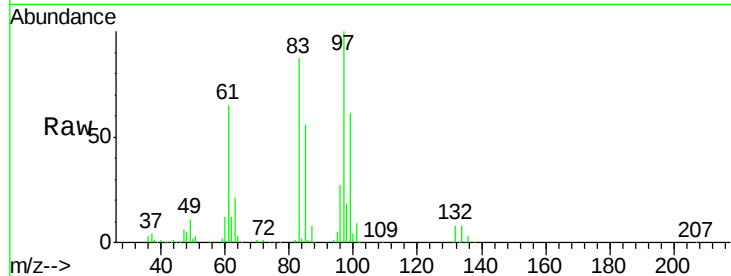
#55
 1,1,2-Trichloroethane
 Concen: 50.026 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055215.D
 Acq: 24 Apr 2019 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	219271
Ion	Ratio	Lower	Upper
97	100		
83	87.2	71.5	107.3
85	55.7	45.8	68.6
99	60.7	49.9	74.9

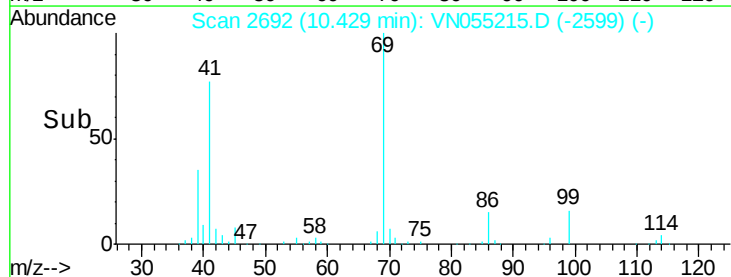
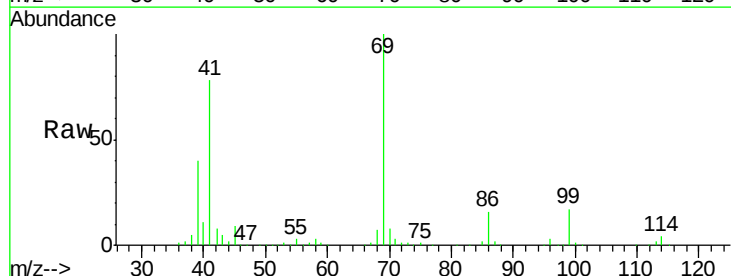
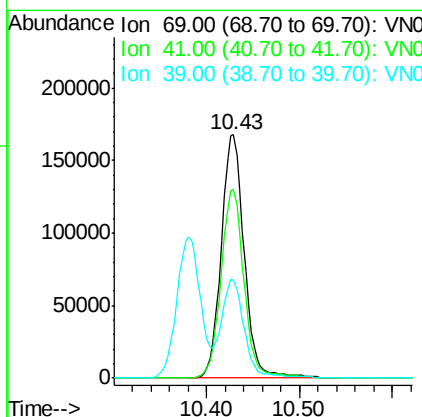
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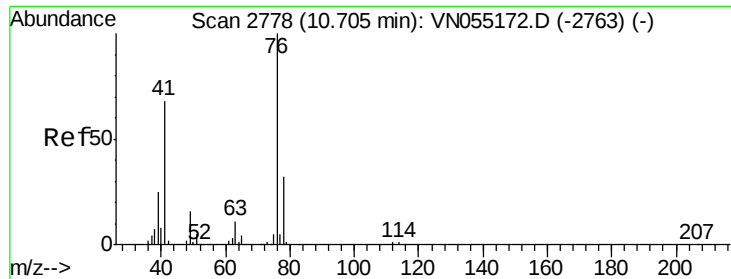
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#56
 Ethyl methacrylate
 Concen: 52.911 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055215.D
 Acq: 24 Apr 2019 9:41

Tgt Ion:	69	Resp:	288912
Ion	Ratio	Lower	Upper
69	100		
41	76.8	60.6	90.8
39	38.6	31.7	47.5





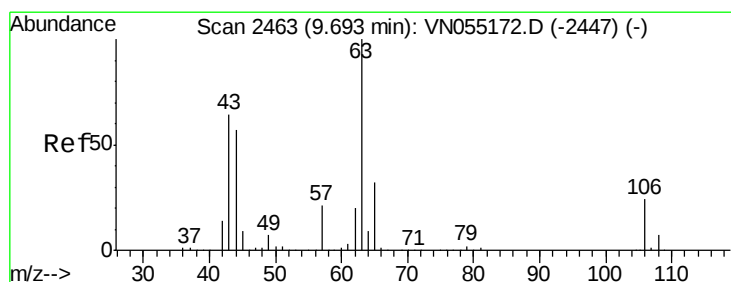
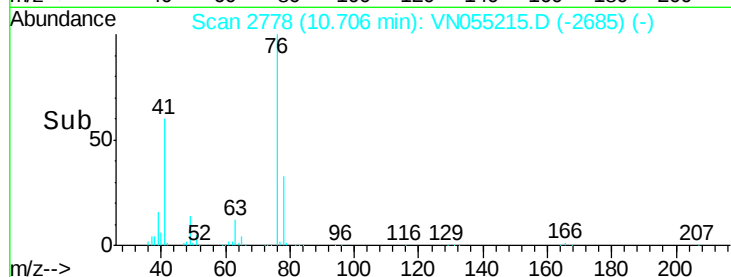
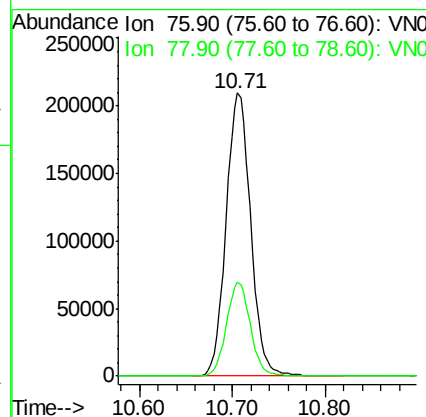
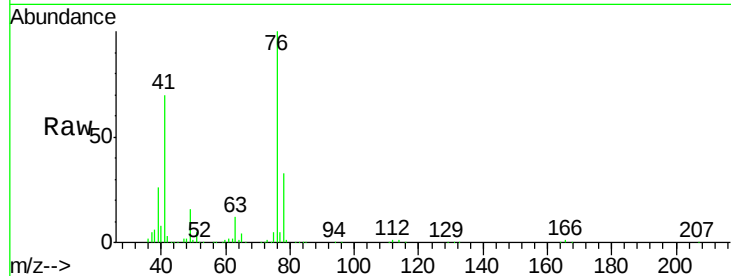
#57
 1,3-Dichloropropane
 Concen: 50.436 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055215.D
 Acq: 24 Apr 2019 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 384628
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.3 37.9

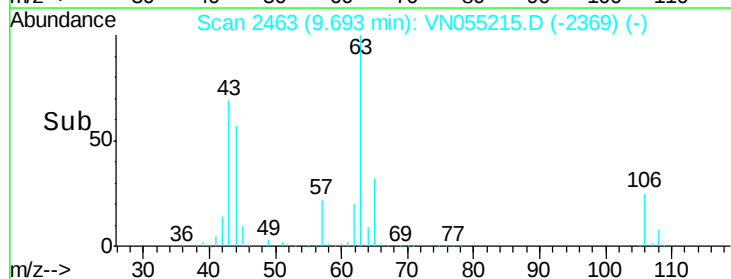
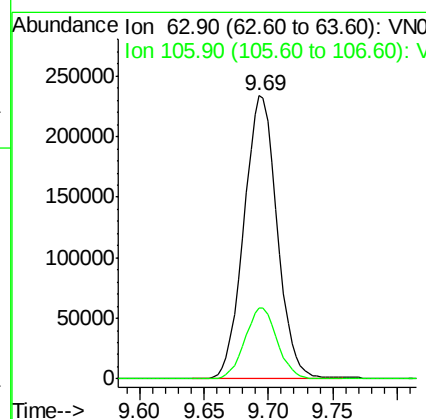
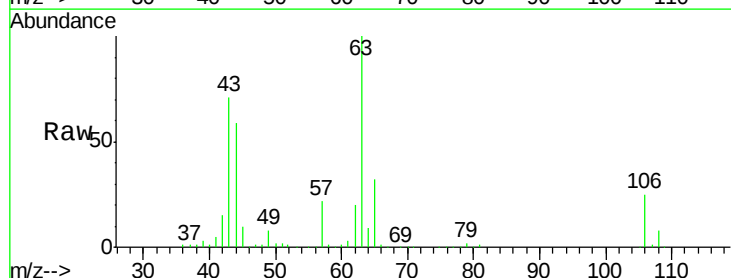
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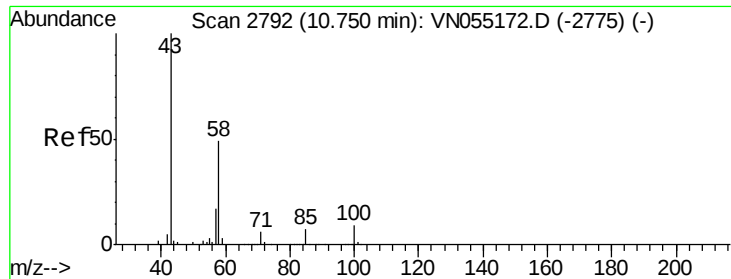
MMDadoda
 4/25/2019 12:39:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 201.963 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055215.D
 Acq: 24 Apr 2019 9:41

Tgt Ion: 63 Resp: 420147
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.4 29.0





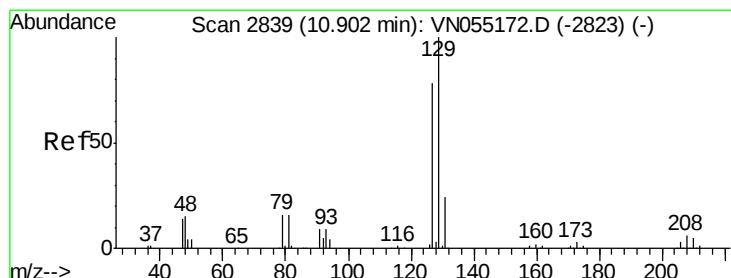
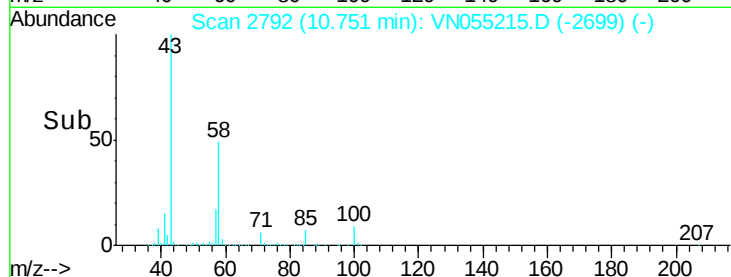
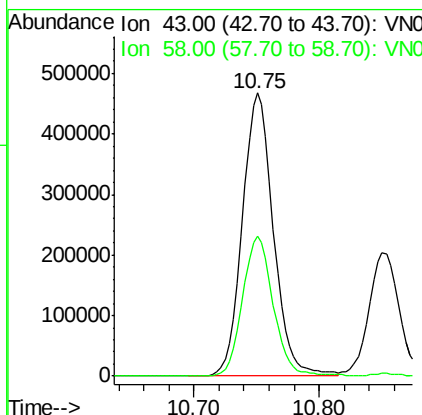
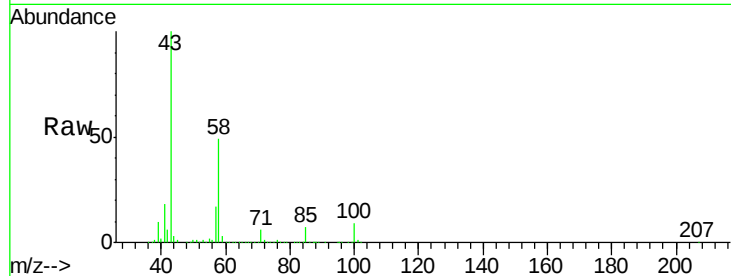
#59
2-Hexanone
Concen: 257.159 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	43	Resp	802499
Ion Ratio	43	100	
Lower	58	49.2	24.5
Upper			73.5

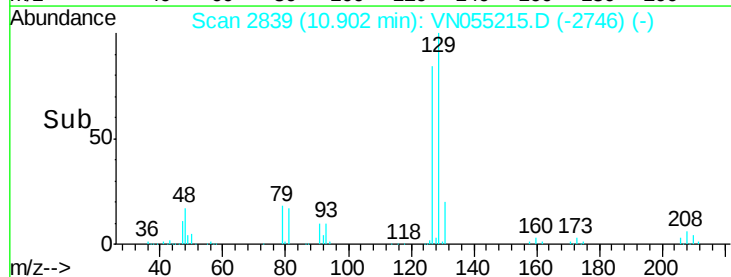
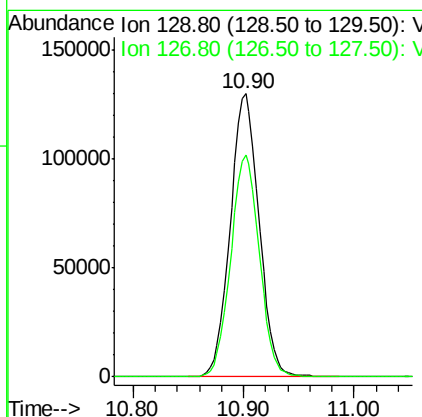
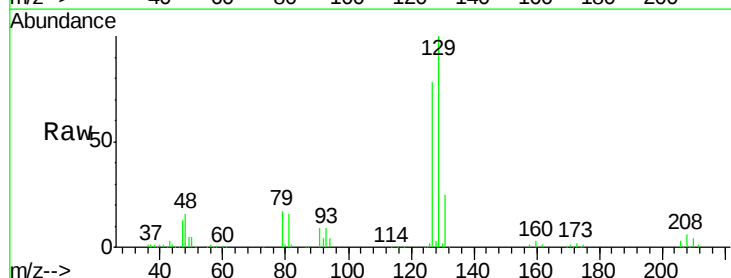
Manual Integrations
APPROVED

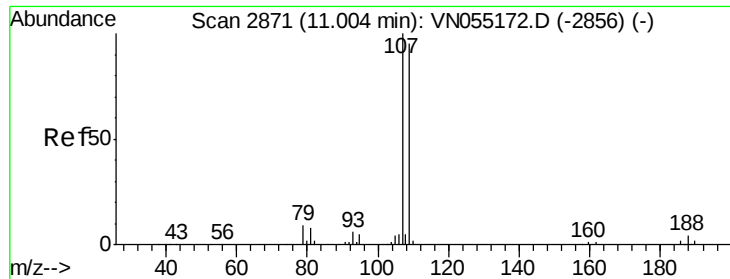
MMDadoda
4/25/2019 12:39:57 PM



#60
Dibromochloromethane
Concen: 52.157 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion	129	Resp	235474
Ion Ratio	129	100	
Lower	127	78.0	39.0
Upper			117.0





#61

1,2-Dibromoethane

Concen: 51.502 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 212243

Ion Ratio Lower Upper

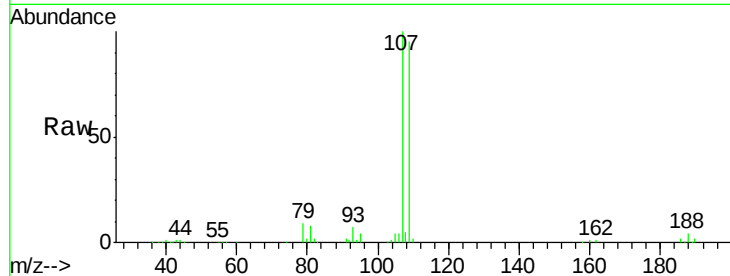
107 100

109 94.4 75.8 113.6

Manual Integrations
APPROVED

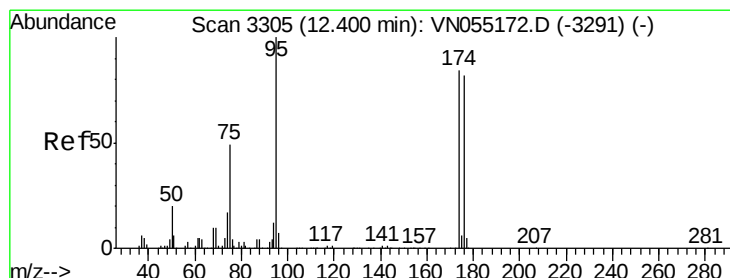
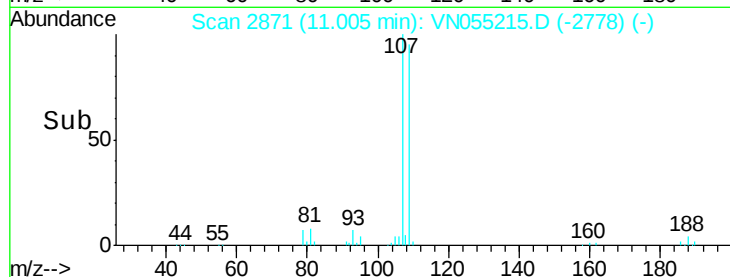
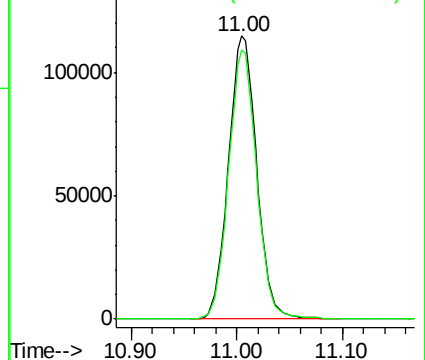
MMDadoda

4/25/2019 12:39:57 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.884 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

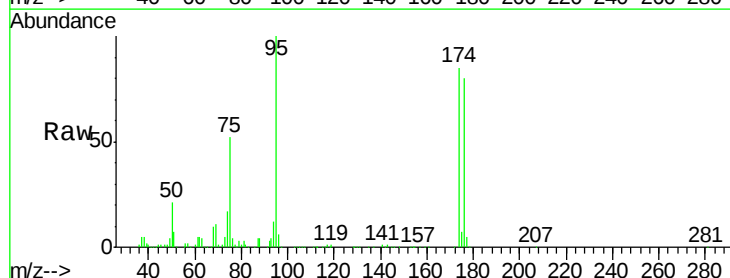
Tgt Ion: 95 Resp: 281449

Ion Ratio Lower Upper

95 100

174 85.3 0.0 168.4

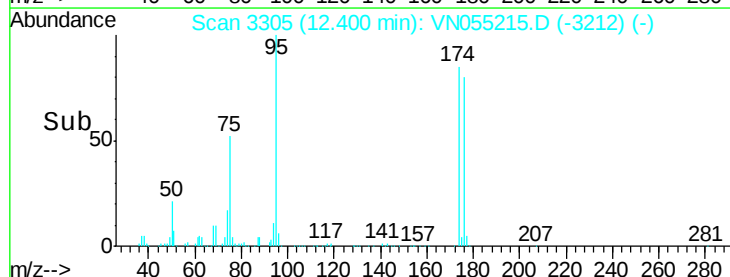
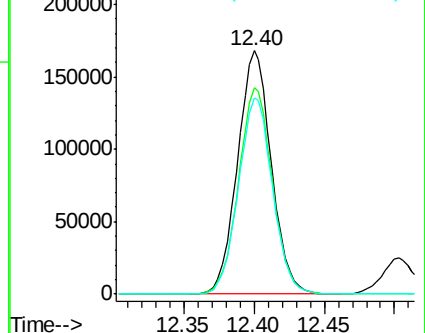
176 81.5 0.0 164.0

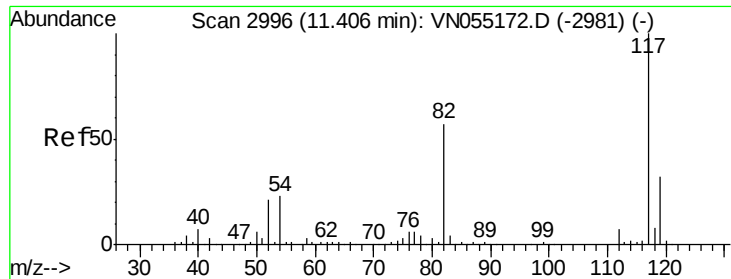


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





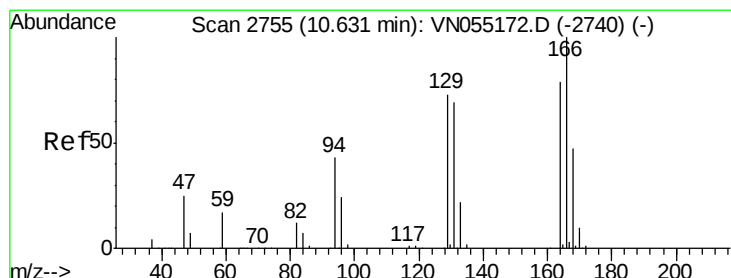
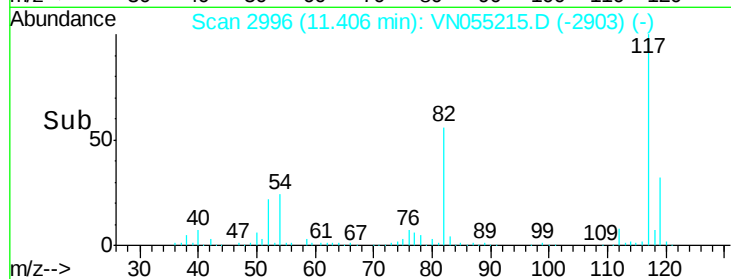
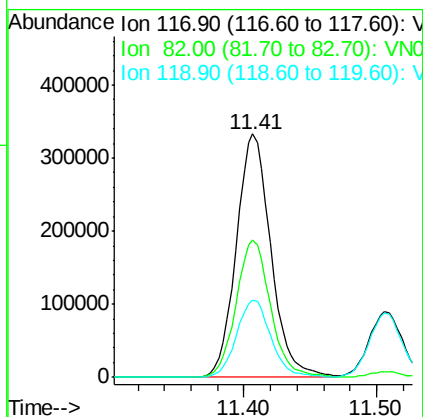
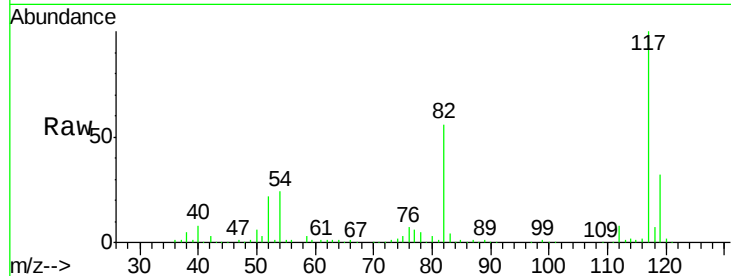
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.7	68.5
119	32.0	25.4	38.2

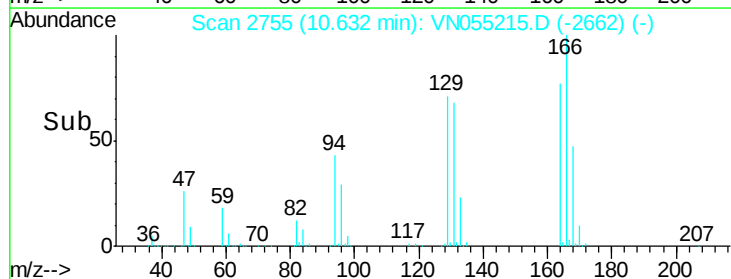
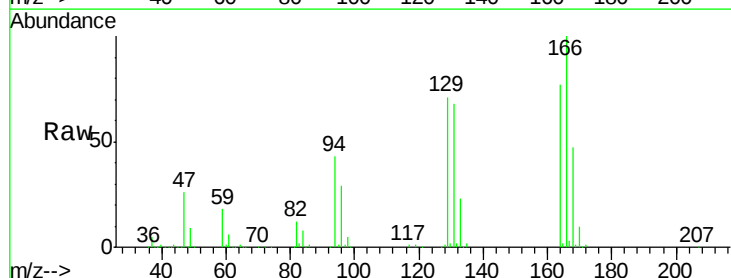
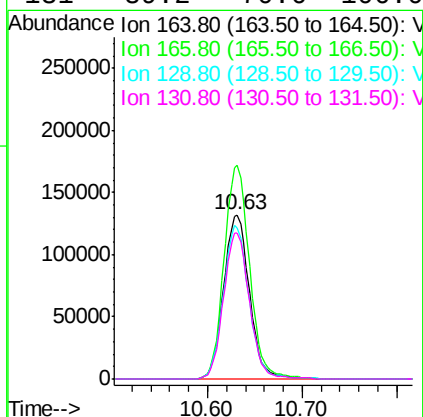
Manual Integrations
APPROVED

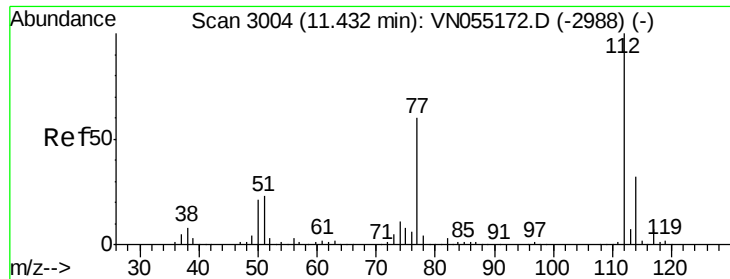
MMDadoda
4/25/2019 12:39:57 PM



#64
Tetrachloroethene
Concen: 50.902 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	101.9	152.9
129	92.4	74.1	111.1
131	89.2	70.6	106.0





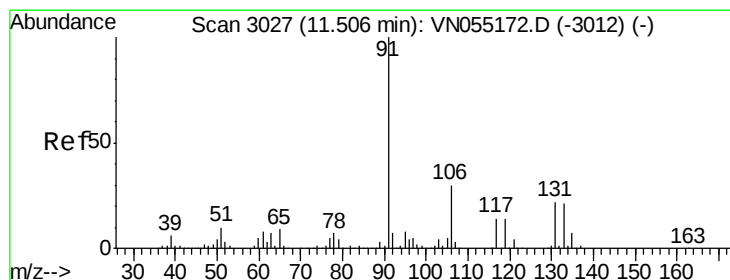
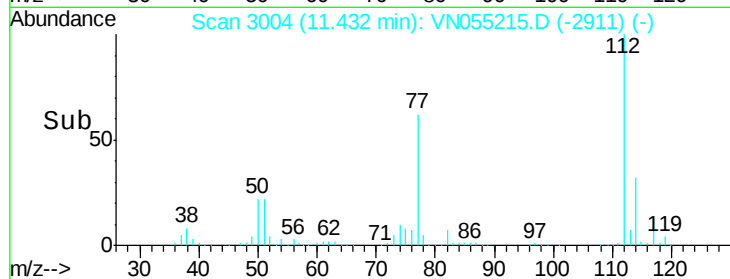
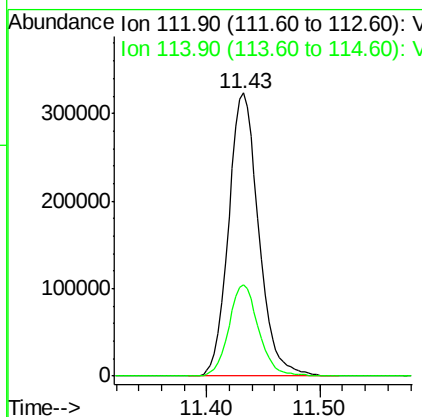
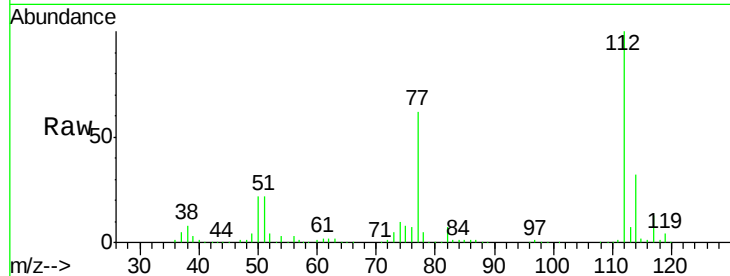
#65
Chlorobenzene
Concen: 48.589 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 598402
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0

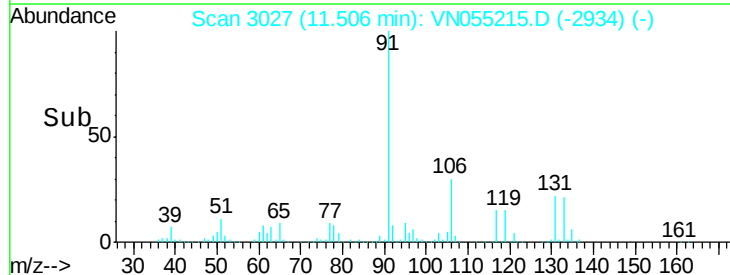
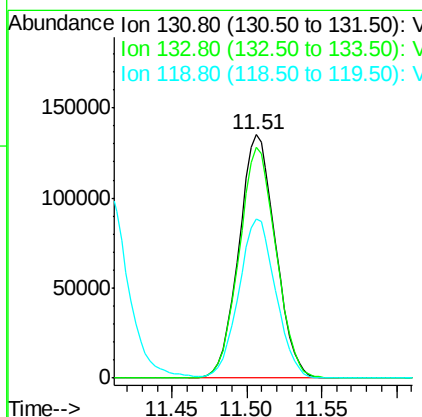
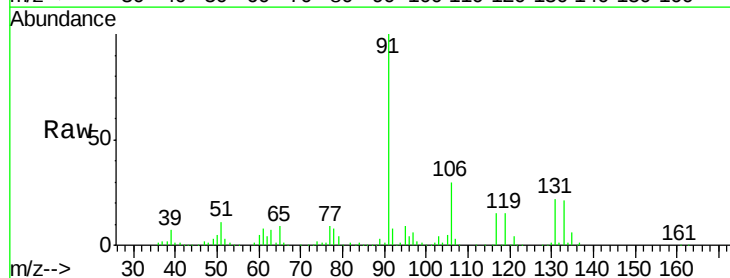
Manual Integrations
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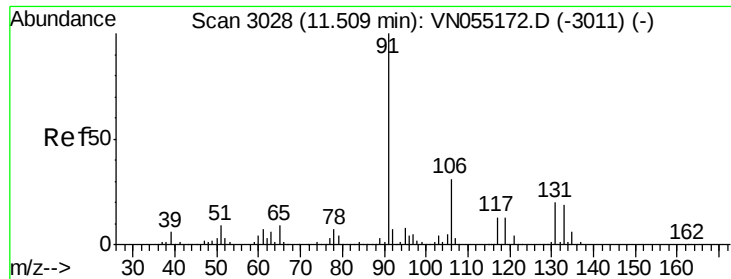
MMDadoda
4/25/2019 12:39:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.373 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion:131 Resp: 229929
Ion Ratio Lower Upper
131 100
133 96.0 47.7 143.1
119 66.2 33.2 99.6





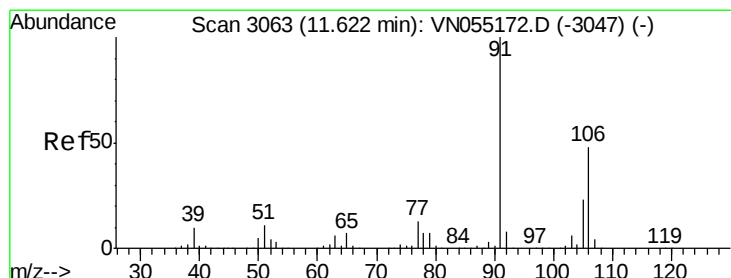
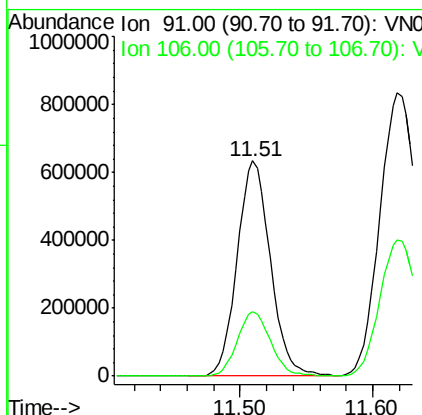
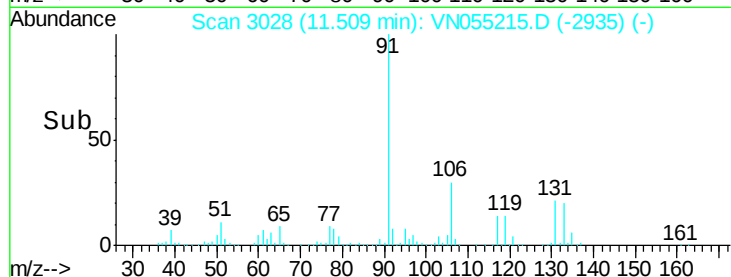
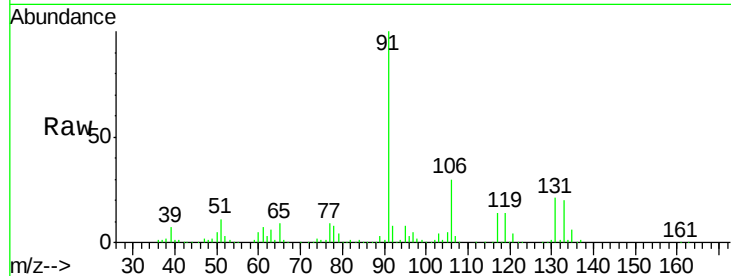
#67
Ethyl Benzene
Concen: 50.397 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1105597
Ion Ratio Lower Upper
91 100
106 29.9 24.5 36.7

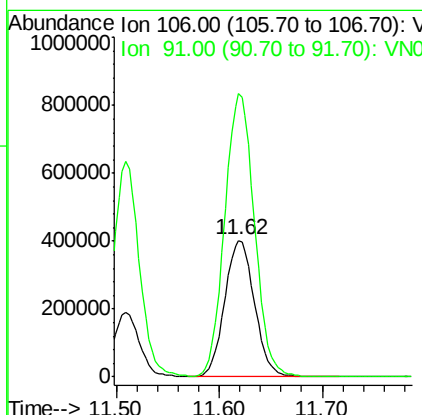
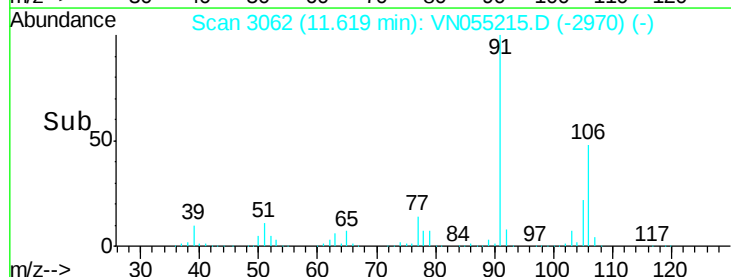
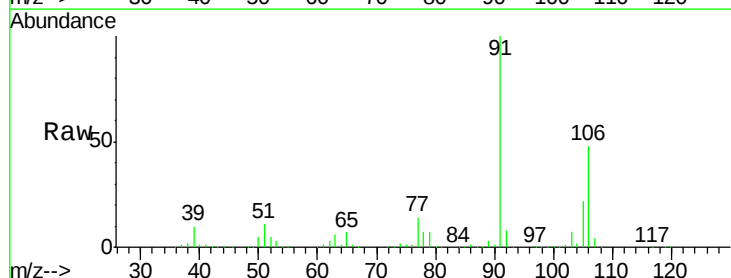
Manual Integrations
APPROVED

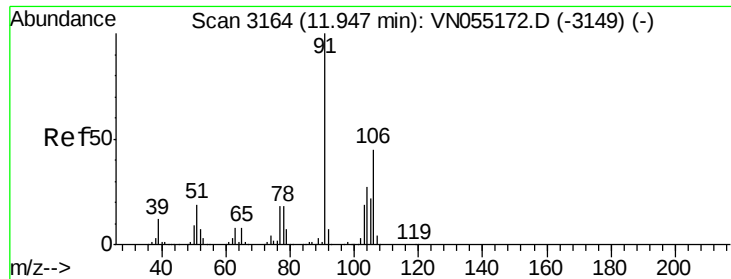
MMDadoda
4/25/2019 12:39:57 PM



#68
m/p-Xylenes
Concen: 102.397 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion: 106 Resp: 805683
Ion Ratio Lower Upper
106 100
91 207.9 167.1 250.7





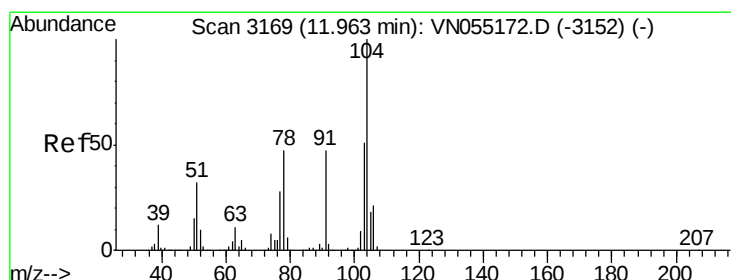
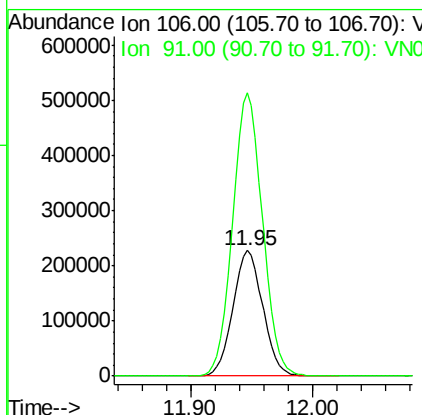
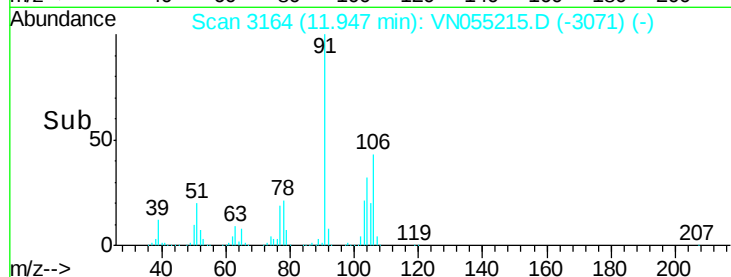
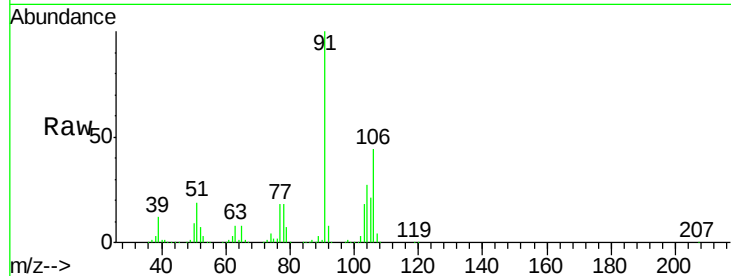
#69
o-Xylene
Concen: 49.496 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	225.6	110.6	331.8

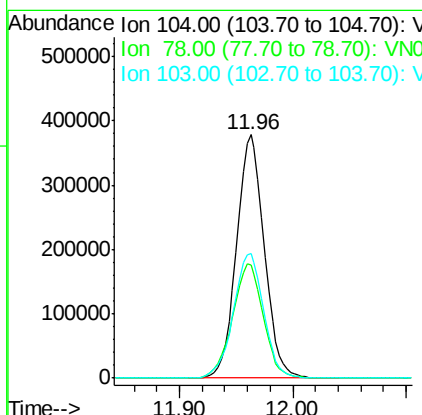
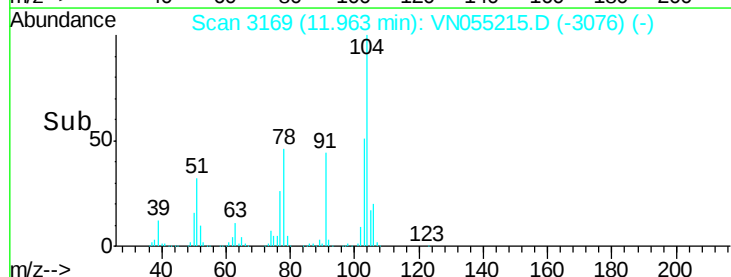
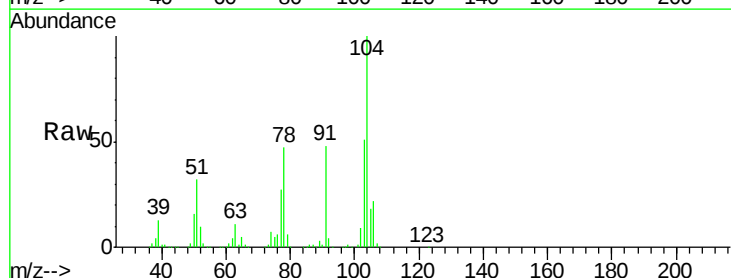
Manual Integrations
APPROVED

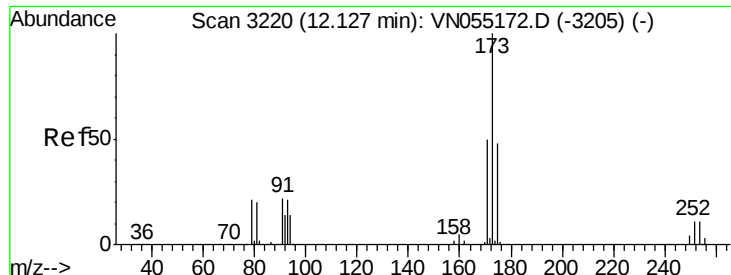
MMDadoda
4/25/2019 12:39:57 PM



#70
Styrene
Concen: 53.366 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.3	41.3	61.9
103	55.9	44.2	66.4





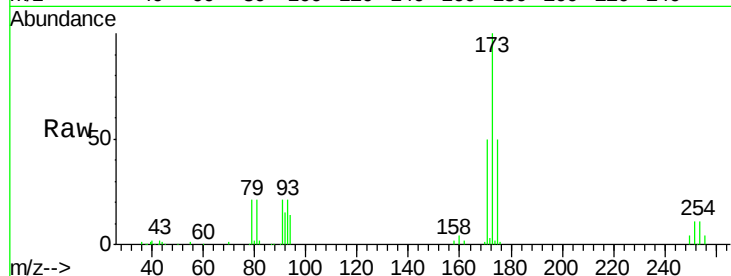
#71
Bromoform
Concen: 53.484 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

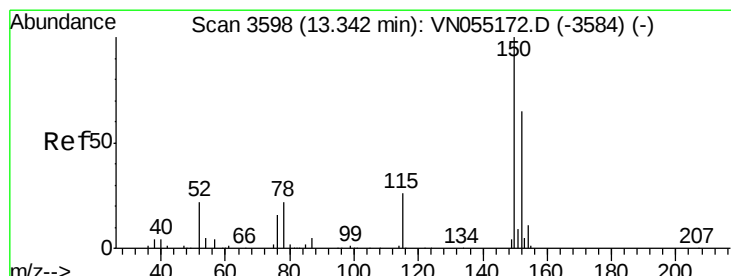
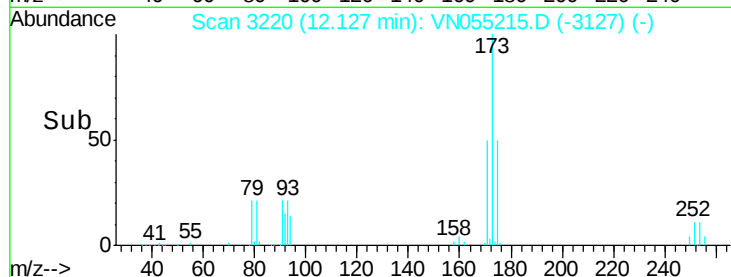
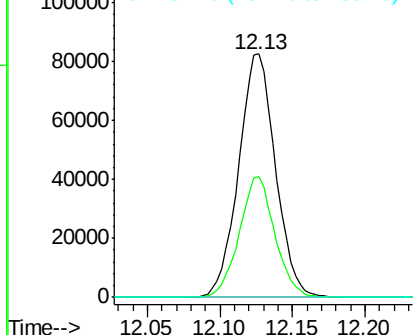
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.8	71.2
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

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4/25/2019 12:39:57 PM

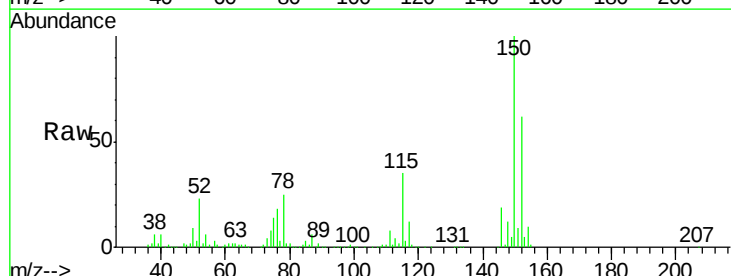


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

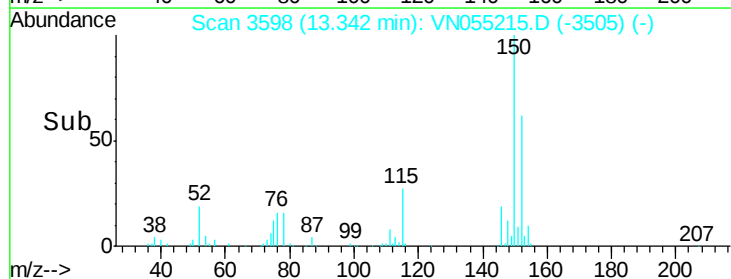
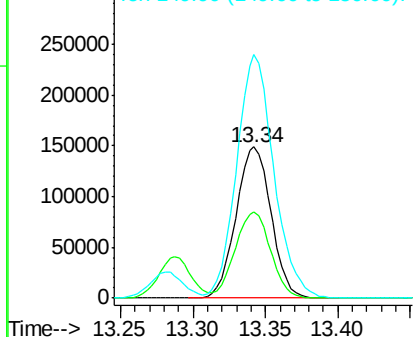


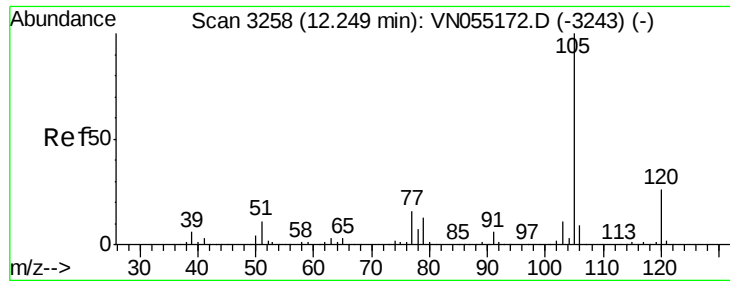
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.9	86.7
150	171.0	0.0	346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.611 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1054938

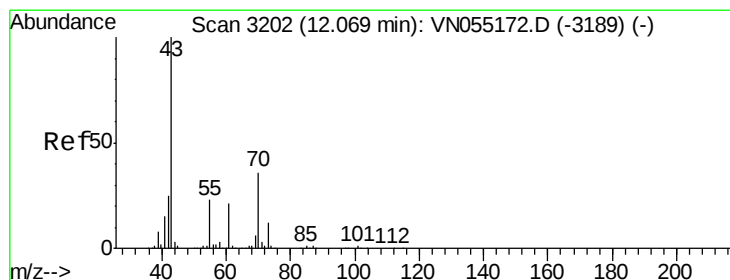
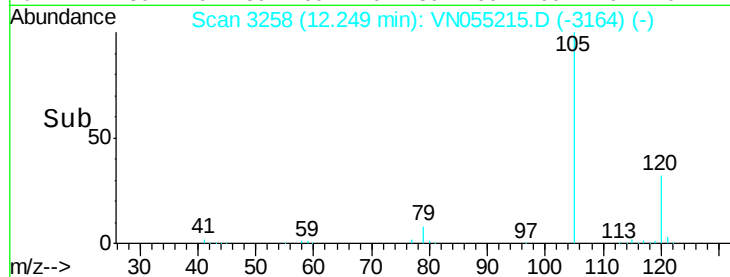
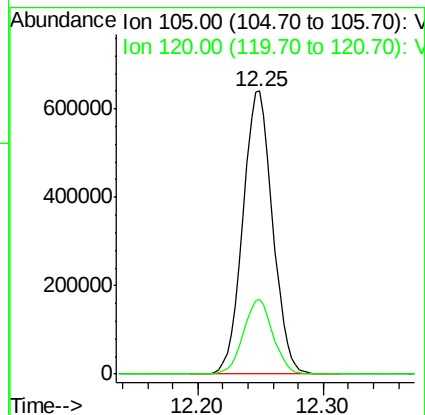
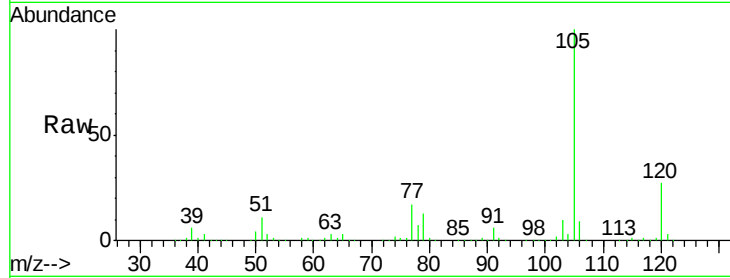
Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1

Manual Integrations
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4/25/2019 12:39:57 PM



#74

N-ethyl acetate

Concen: 50.717 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Tgt Ion: 43 Resp: 327039

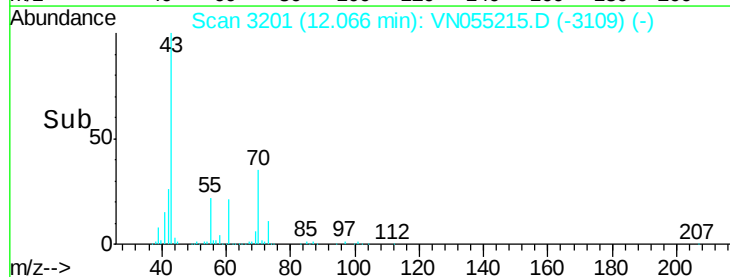
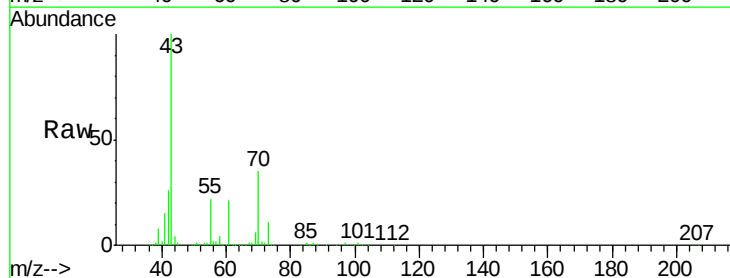
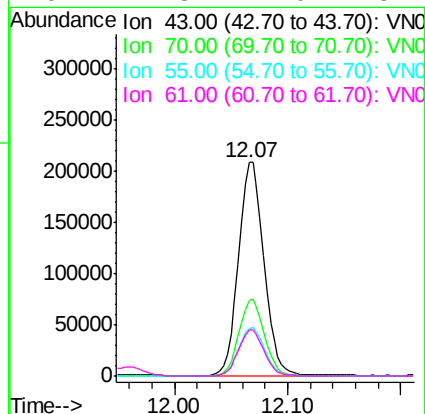
Ion Ratio Lower Upper

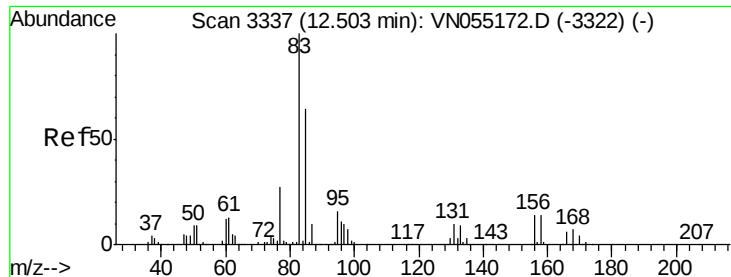
43 100

70 36.0 29.0 43.6

55 23.3 18.5 27.7

61 21.8 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.032 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

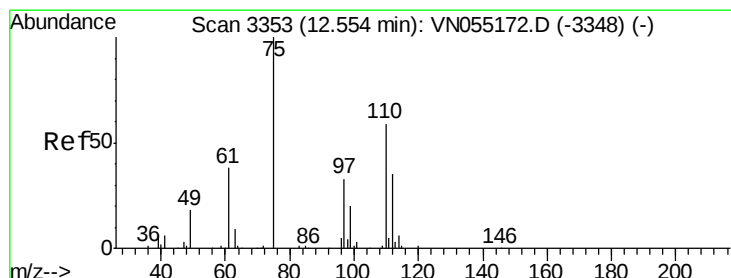
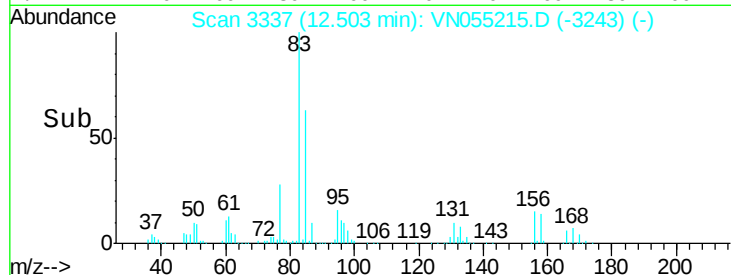
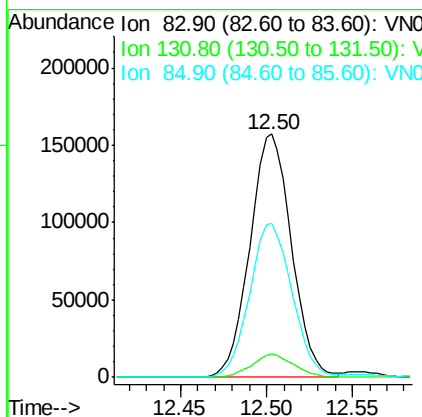
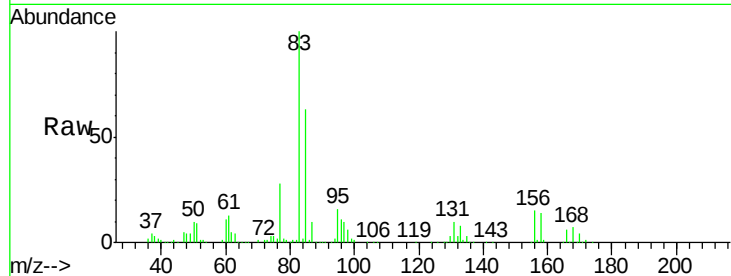
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	264124
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	15.0
85	64.3	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.803 ug/l m

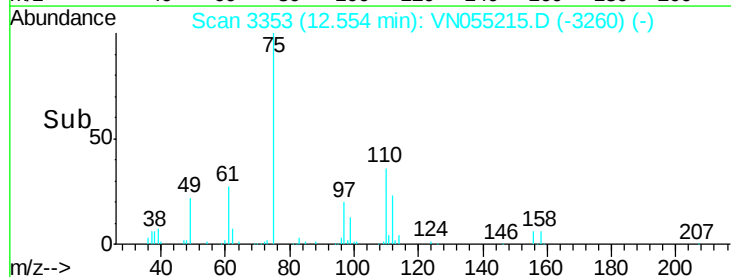
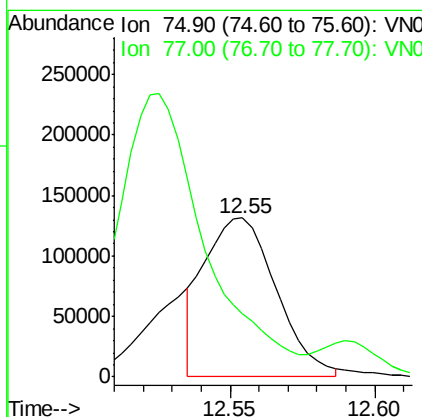
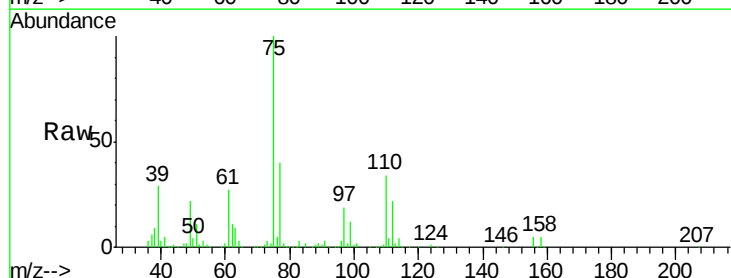
RT: 12.55 min Scan# 3353

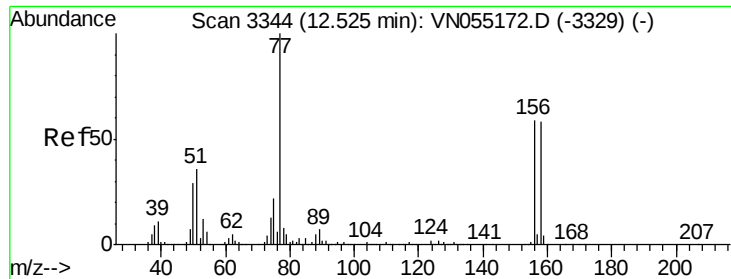
Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Tgt Ion:	75	Resp:	227330
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 44.904 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

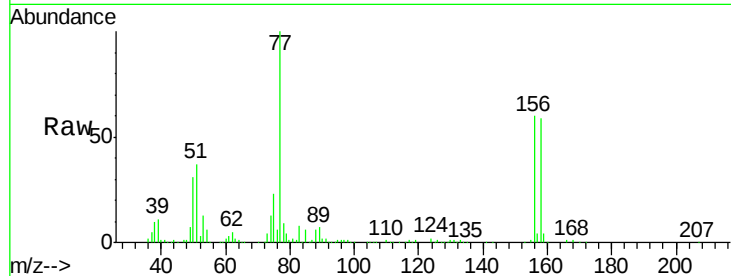
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		247940		
77	199.6	98.0	293.9		
158	97.9	48.9	146.8		

Manual Integrations
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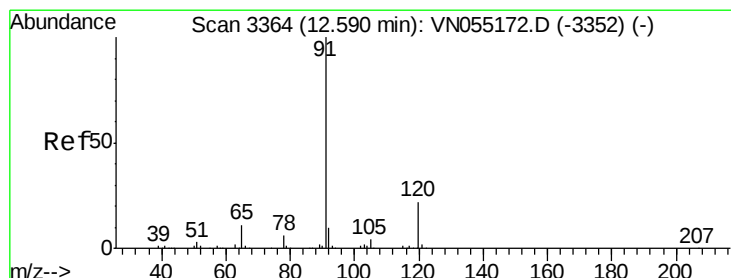
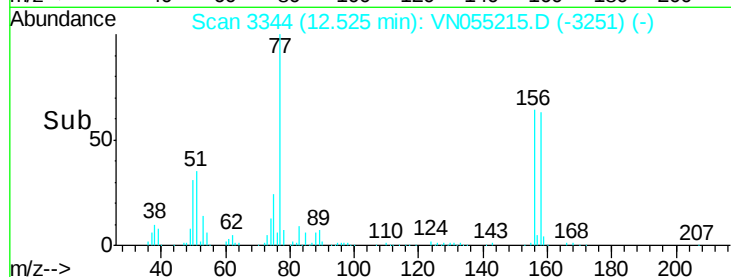
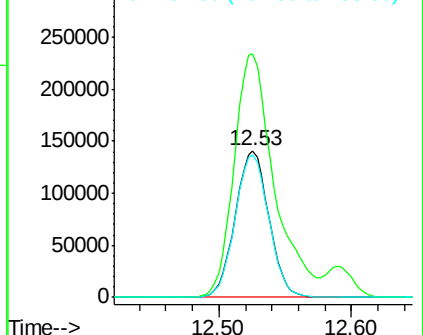


Abundance

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: 46.818 ug/l

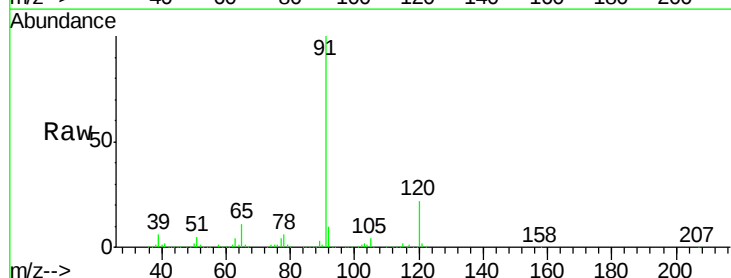
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

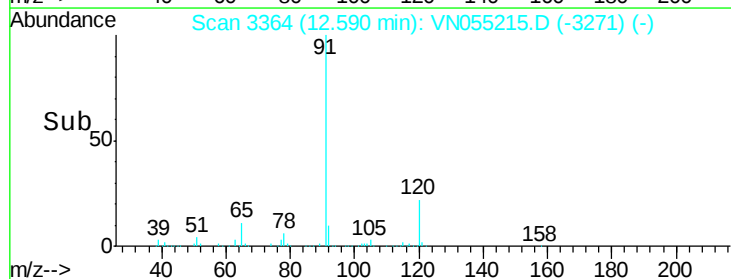
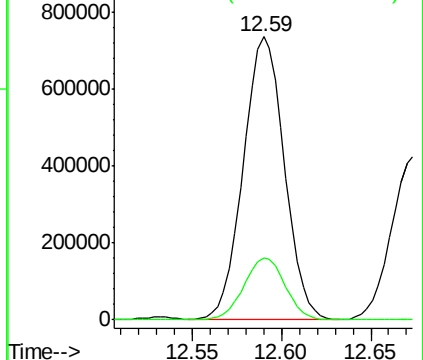
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1174303		
120	22.2	11.3	33.9		

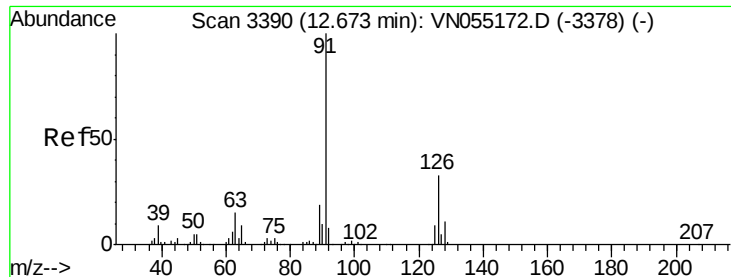


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.419 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 703516

Ion Ratio Lower Upper

91 100

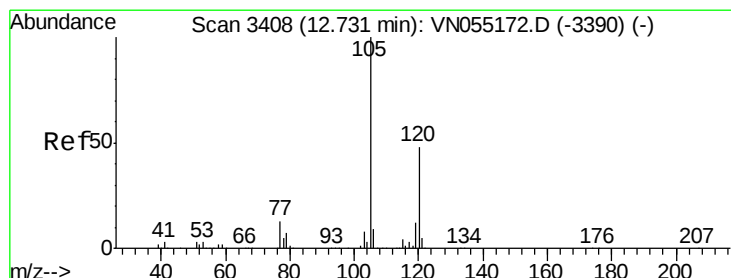
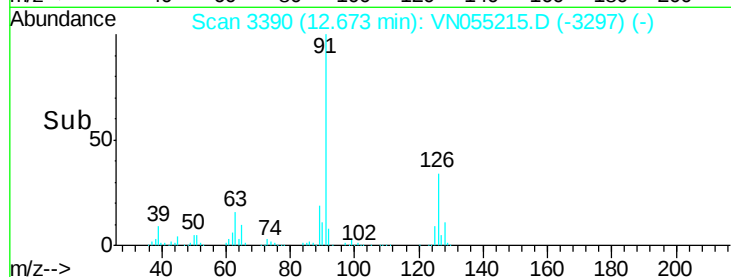
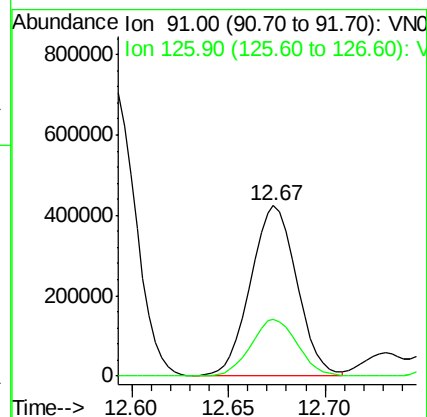
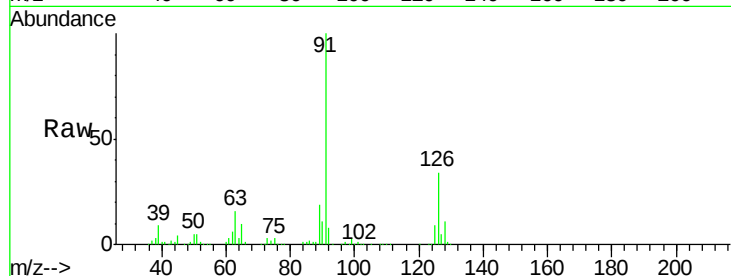
126 33.6 16.8 50.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 45.948 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055215.D

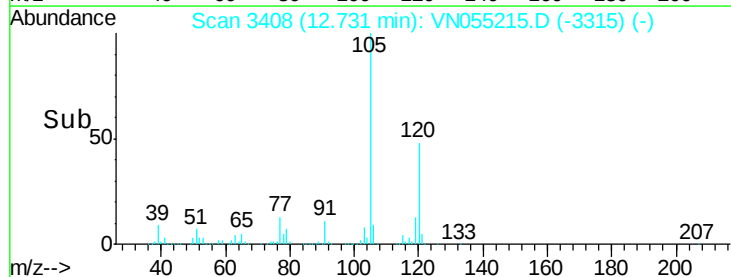
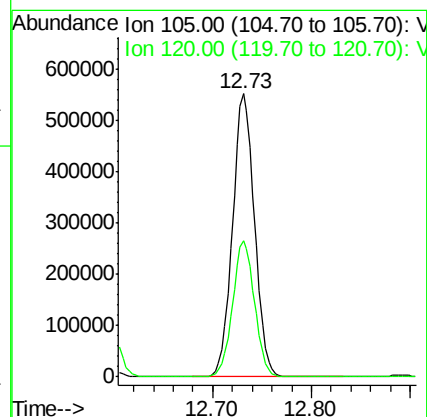
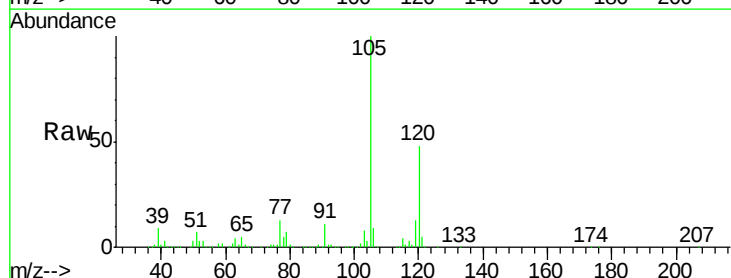
Acq: 24 Apr 2019 9:41

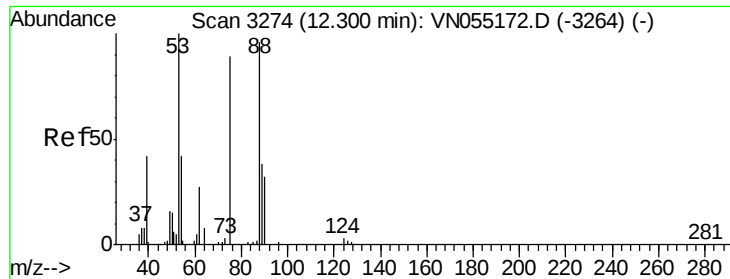
Tgt Ion: 105 Resp: 860286

Ion Ratio Lower Upper

105 100

120 47.9 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 48.705 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

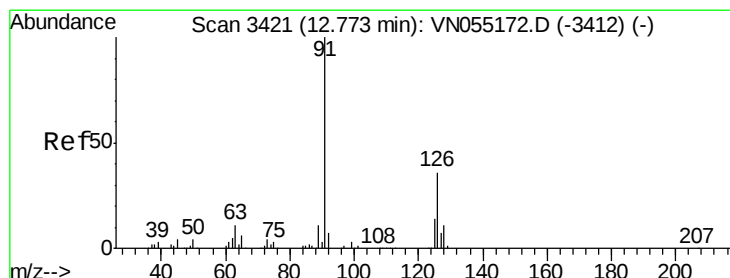
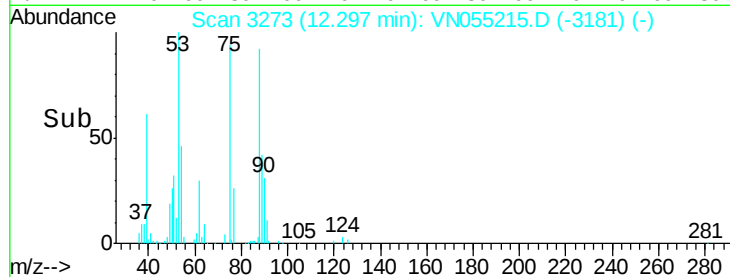
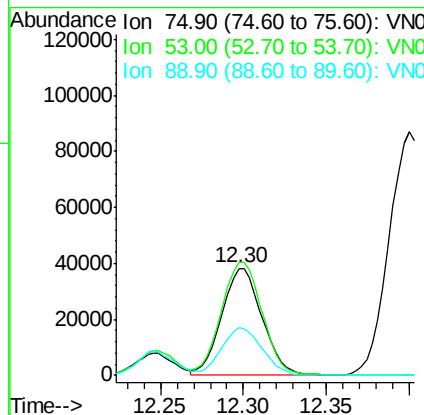
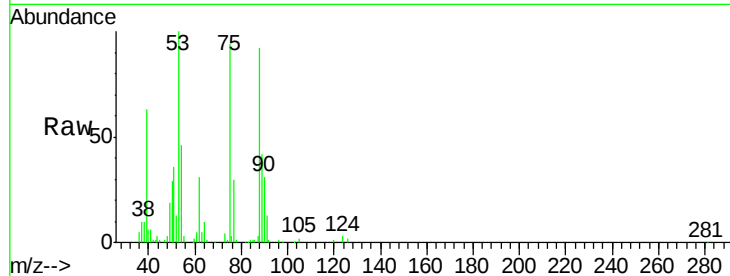
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	65192
Ion	Ratio	Lower	Upper
75	100		
53	107.5	90.1	135.1
89	44.6	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.293 ug/l

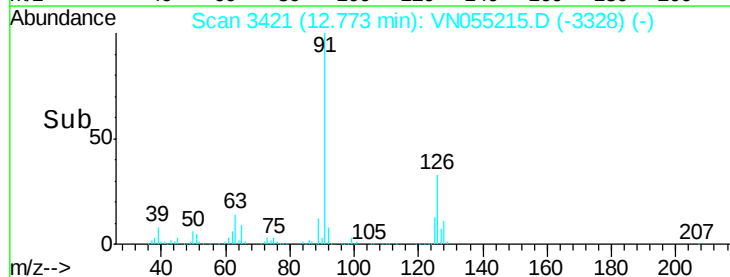
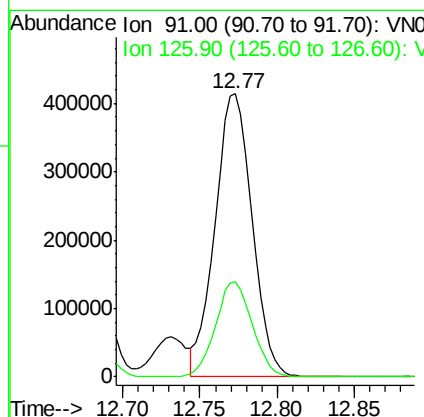
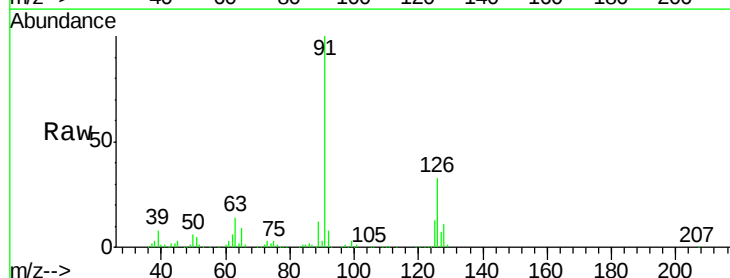
RT: 12.77 min Scan# 3421

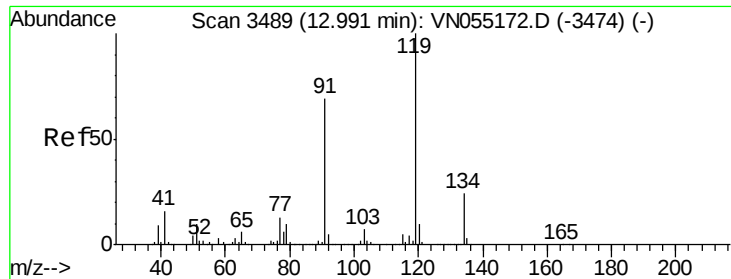
Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Tgt Ion:	91	Resp:	689165
Ion	Ratio	Lower	Upper
91	100		
126	33.4	16.5	49.5





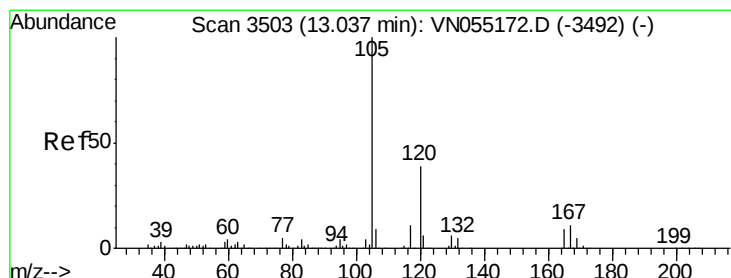
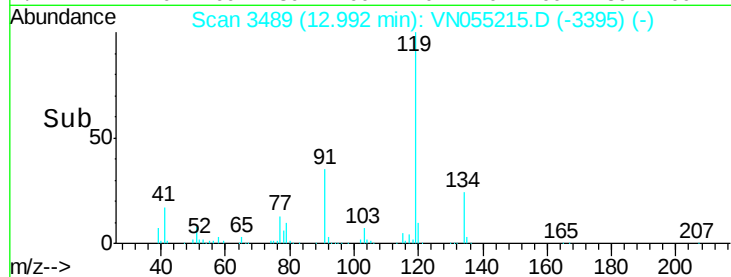
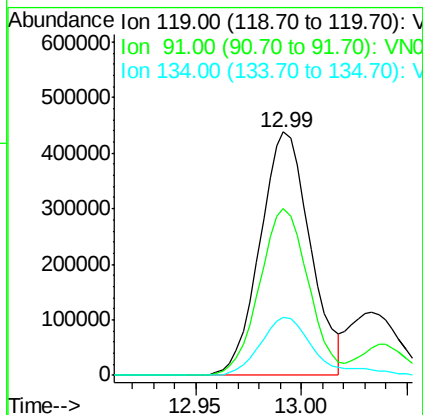
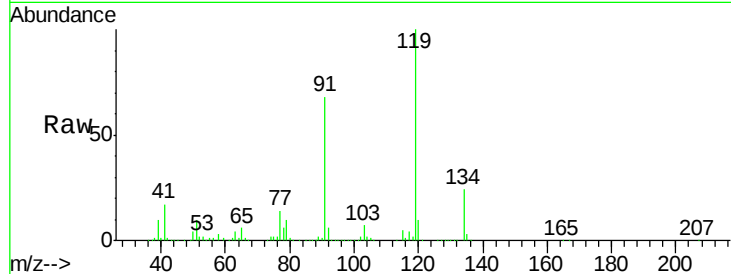
#83
tert-Butylbenzene
Concen: 51.535 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	33.8	101.3
134	26.0	13.2	39.5

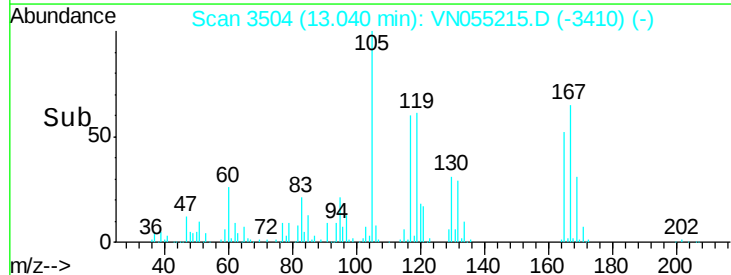
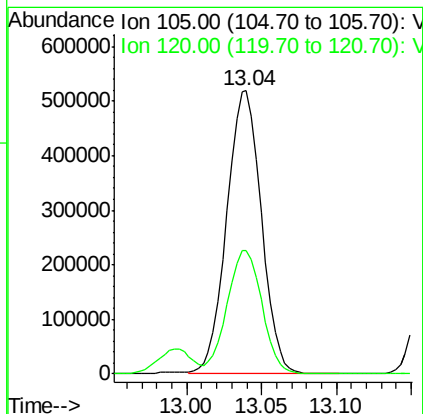
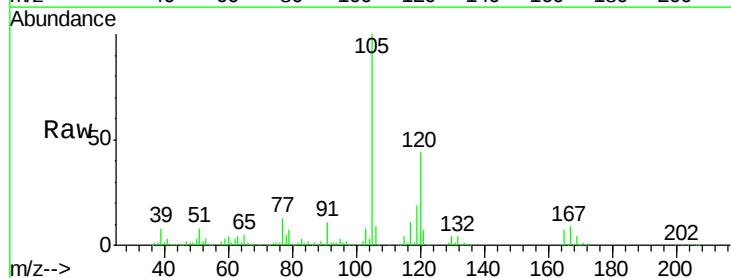
Manual Integrations
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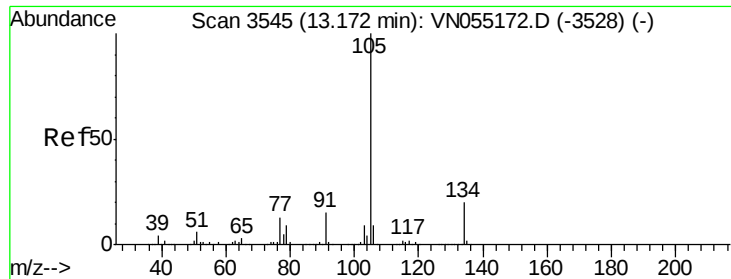
MMDadoda
4/25/2019 12:39:57 PM



#84
1,2,4-Trimethylbenzene
Concen: 47.302 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.7	68.1





#85

sec-Butylbenzene

Concen: 44.830 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 949575

Ion Ratio Lower Upper

105 100

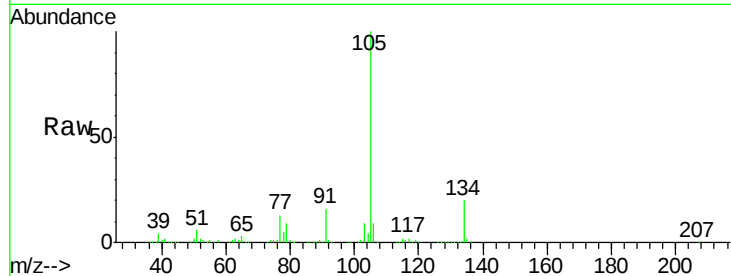
134 19.6 10.0 30.0

Manual Integrations

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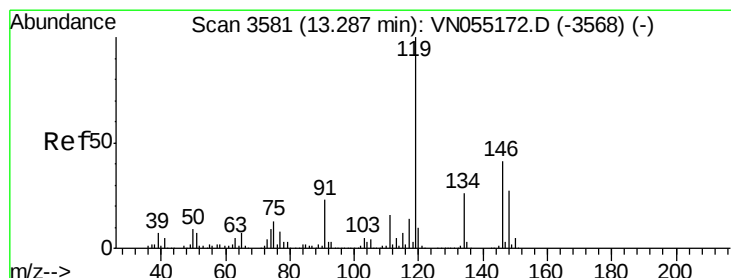
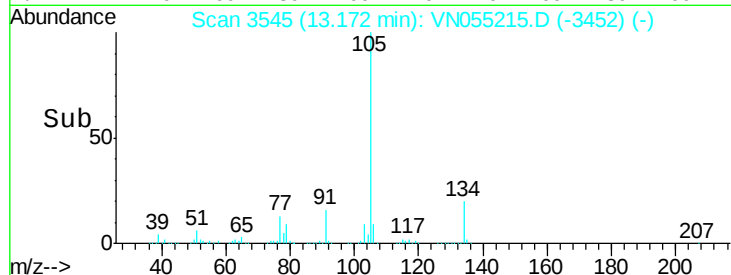
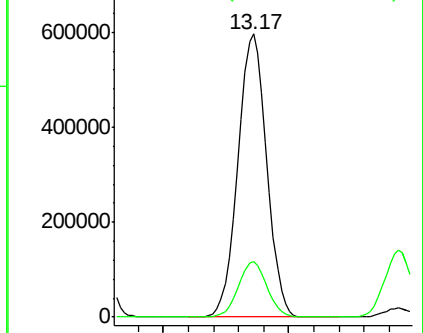
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.688 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

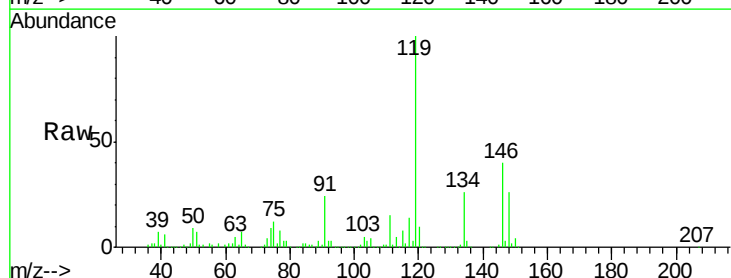
Tgt Ion:119 Resp: 832182

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

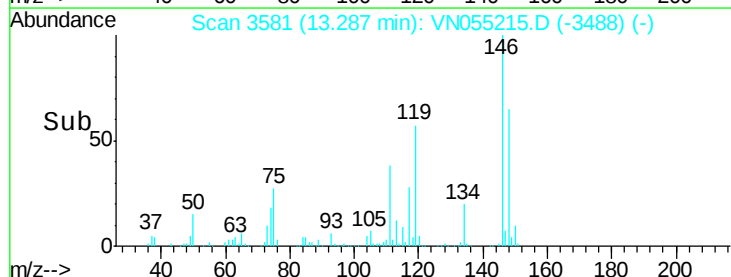
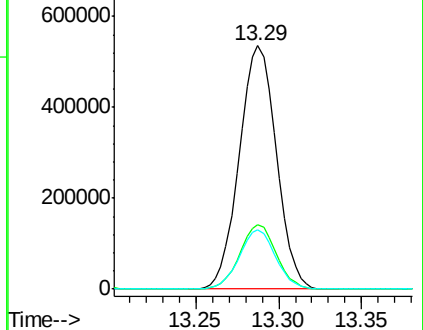
91 23.7 11.8 35.3

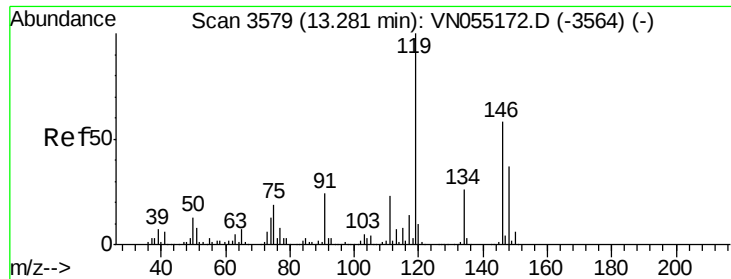


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





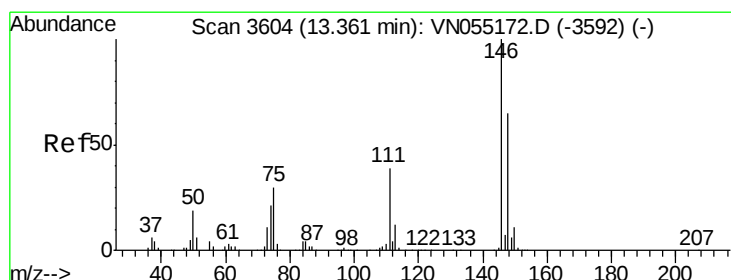
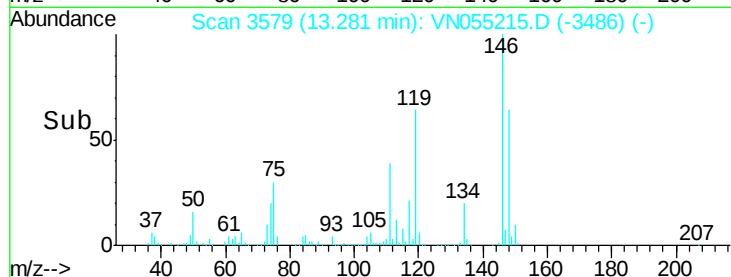
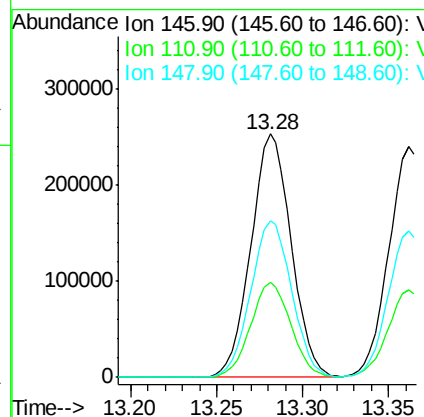
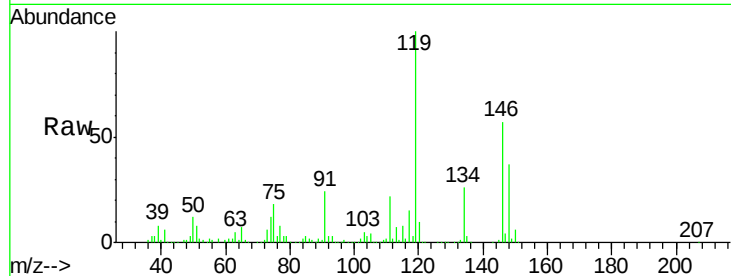
#87
 1,3-Dichlorobenzene
 Concen: 48.705 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055215.D
 Acq: 24 Apr 2019 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.1
148	65.2	32.0	96.0

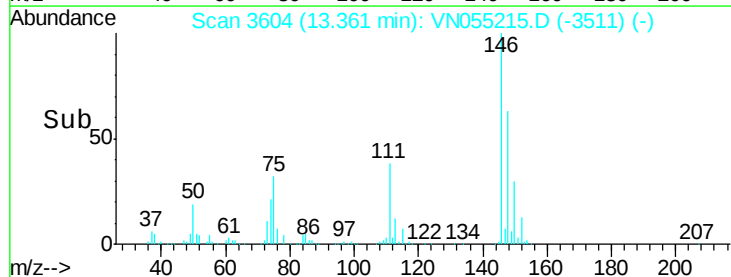
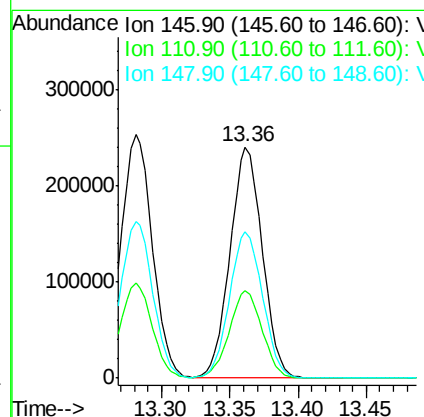
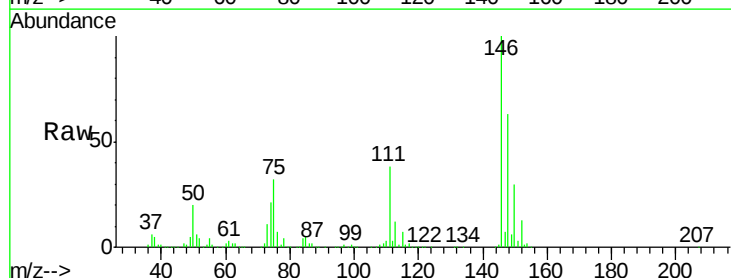
Manual Integrations
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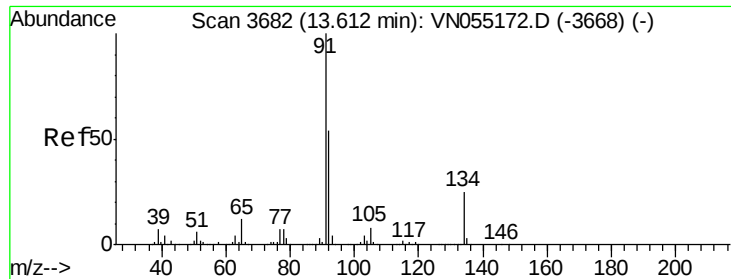
MMDadoda
 4/25/2019 12:39:57 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.989 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055215.D
 Acq: 24 Apr 2019 9:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.2
148	64.6	32.9	98.6





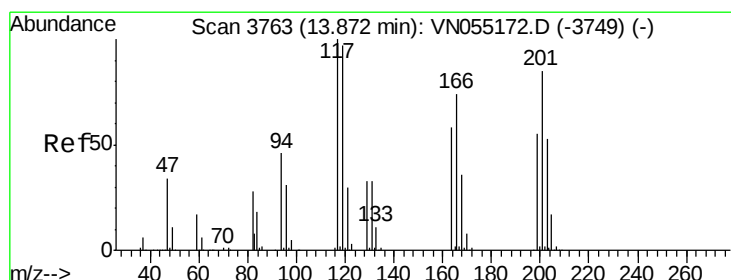
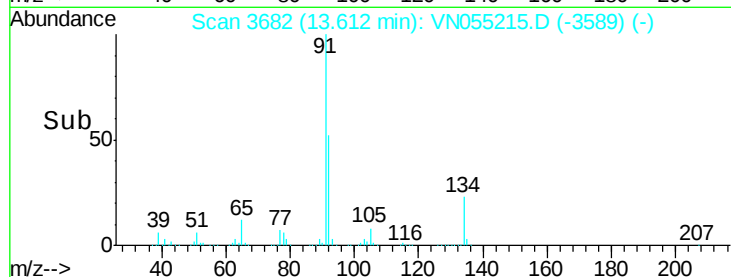
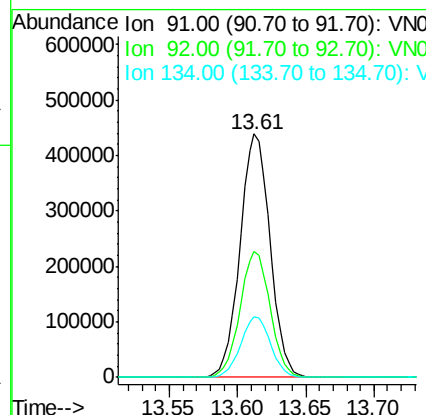
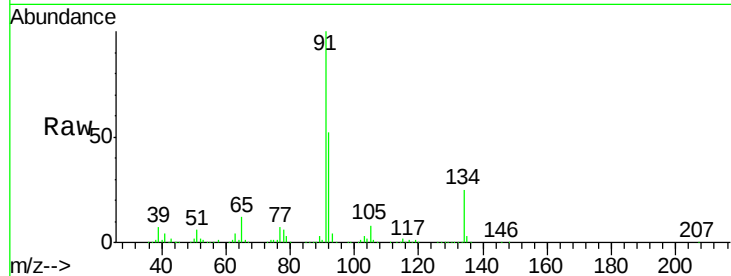
#89
n-Butylbenzene
Concen: 51.741 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.4	79.2
134	24.8	12.8	38.4

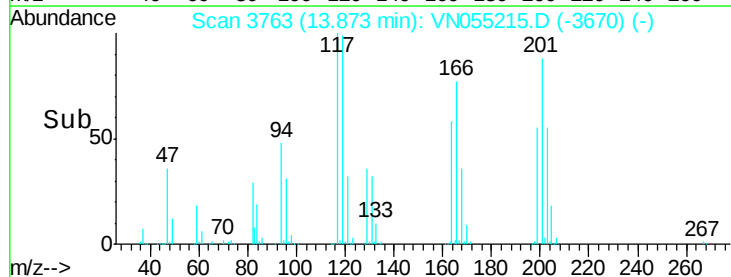
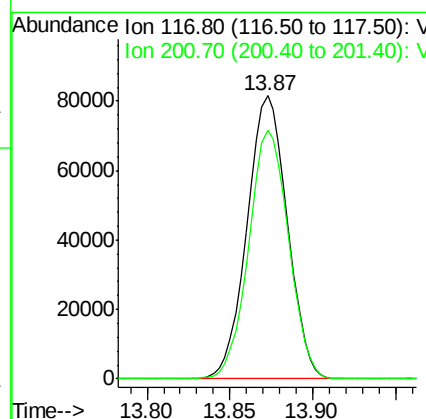
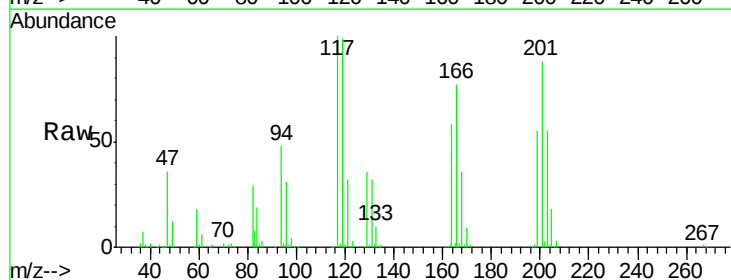
Manual Integrations
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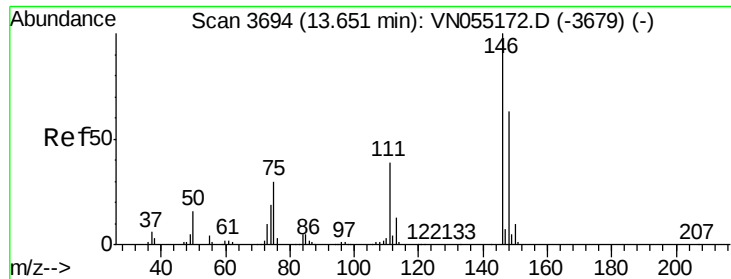
MMDadoda
4/25/2019 12:39:57 PM



#90
Hexachloroethane
Concen: 44.430 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055215.D
Acq: 24 Apr 2019 9:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.0	43.1	129.4





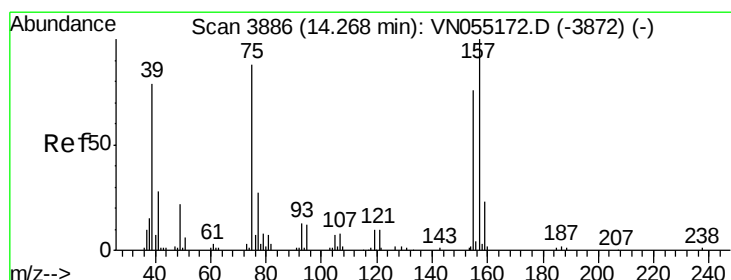
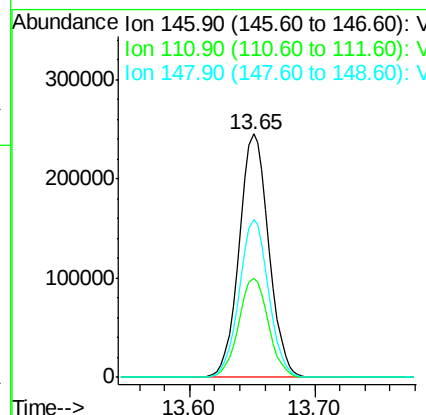
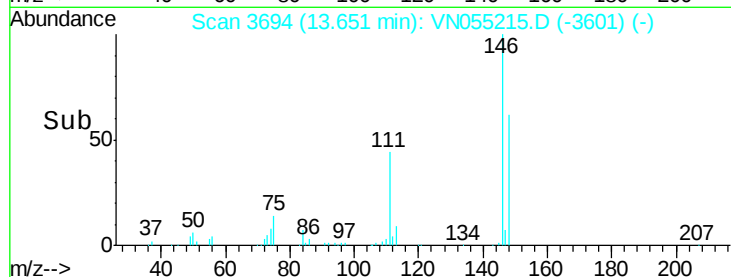
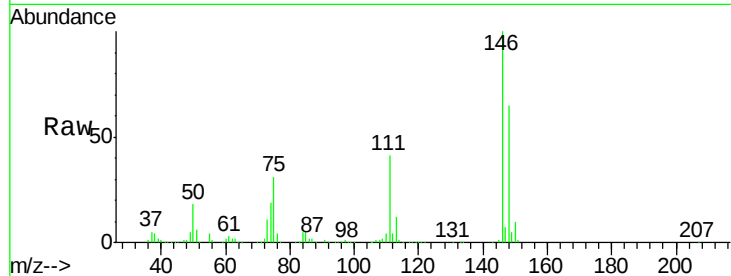
#91
 1,2-Dichlorobenzene
 Concen: 45.992 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055215.D
 Acq: 24 Apr 2019 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.8	59.3
148	64.5	31.7	95.1

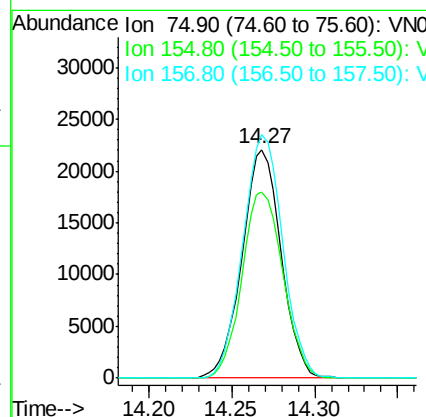
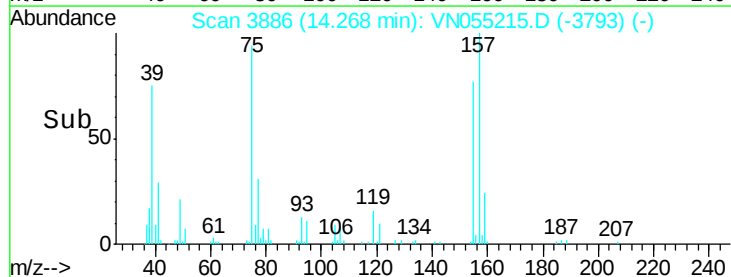
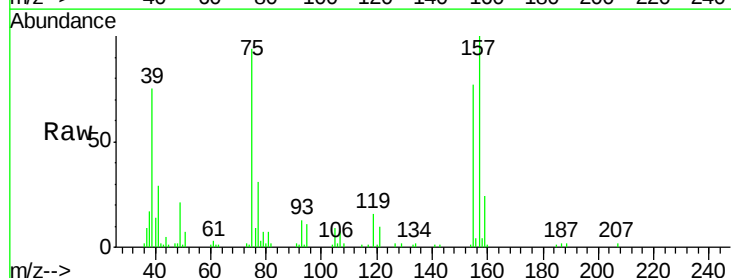
Manual Integrations
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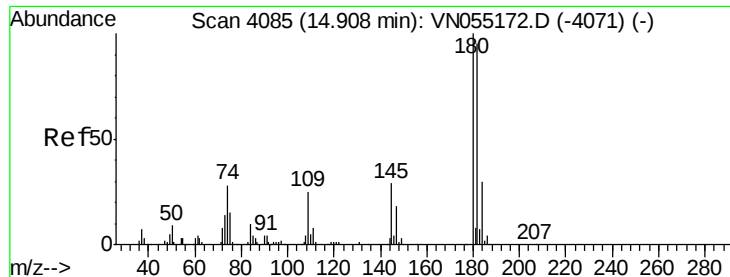
MMDadoda
 4/25/2019 12:39:57 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.646 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055215.D
 Acq: 24 Apr 2019 9:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	43.0	129.0
157	108.8	55.7	167.1





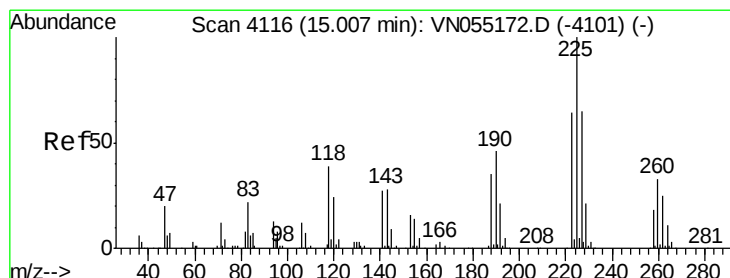
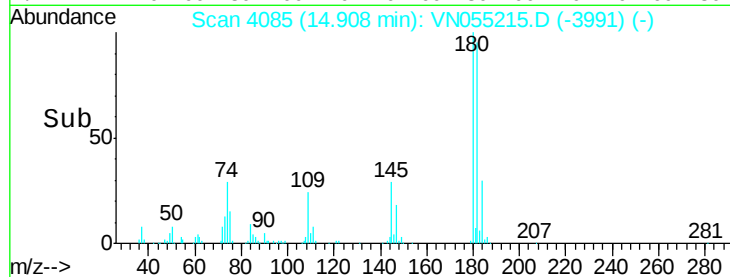
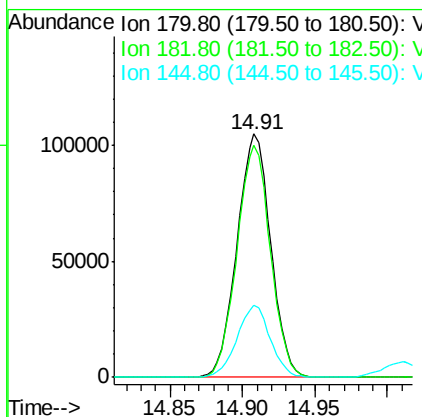
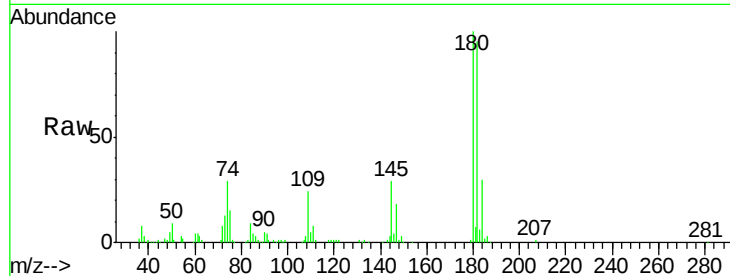
#93
 1,2,4-Trichlorobenzene
 Concen: 46.271 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055215.D
 Acq: 24 Apr 2019 9:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	169389
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.8	143.4
145	29.2	14.5	43.5

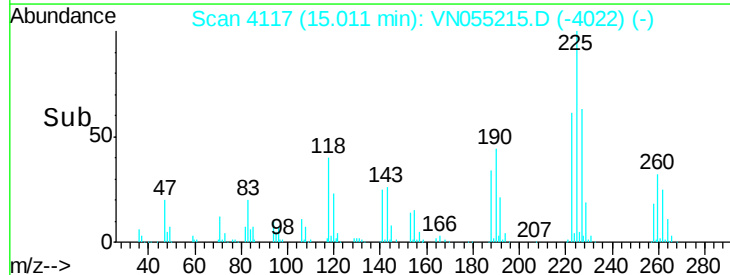
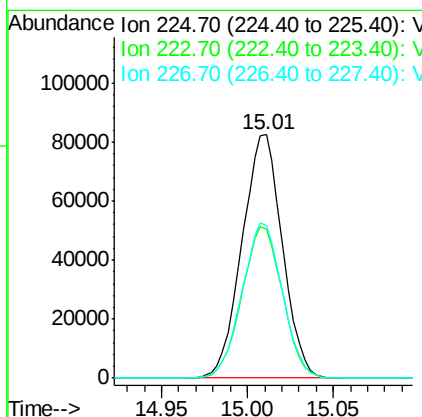
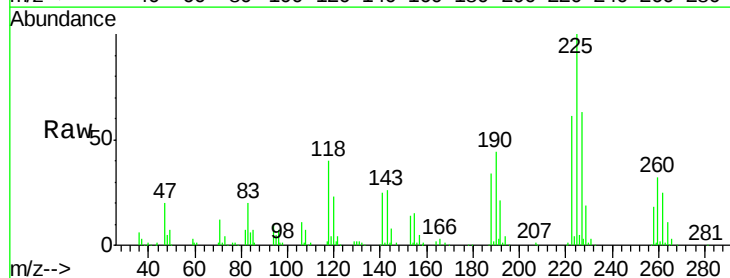
Manual Integrations
 APPROVED

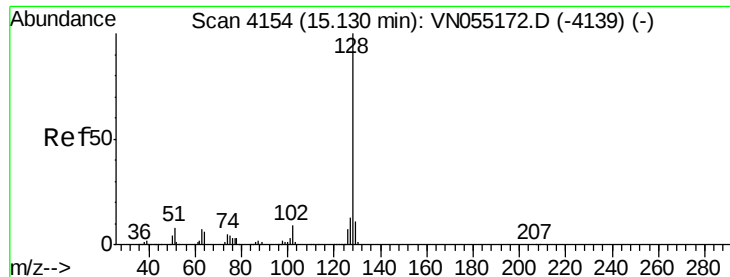
MMDadoda
 4/25/2019 12:39:57 PM



#94
 Hexachlorobutadiene
 Concen: 53.094 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055215.D
 Acq: 24 Apr 2019 9:41

Tgt Ion:	225	Resp:	134191
Ion Ratio	Lower	Upper	
225	100		
223	62.7	32.2	96.6
227	63.9	32.6	98.0





#95

Naphthalene

Concen: 43.227 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Instrument :

MSVOA_N

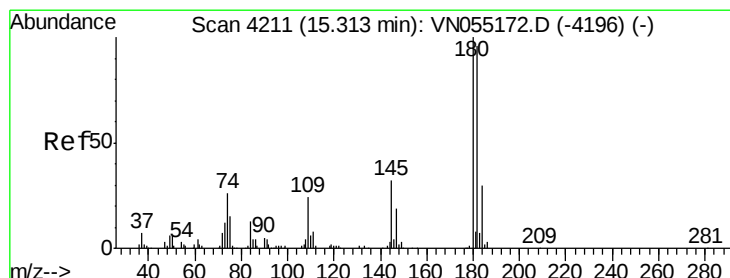
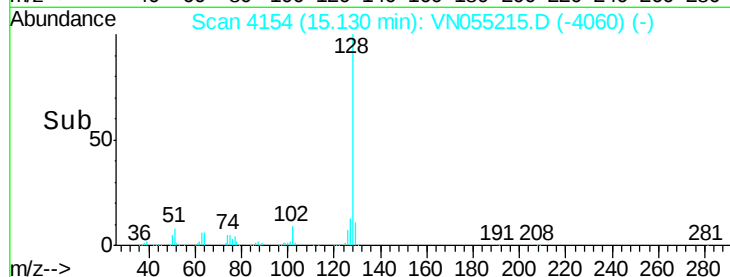
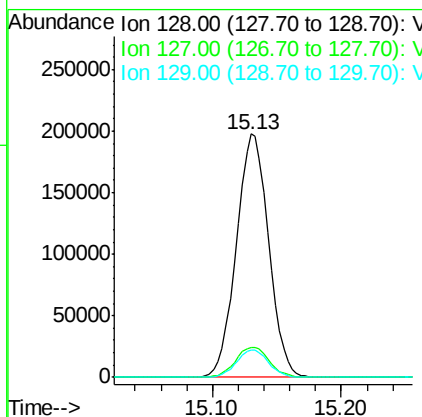
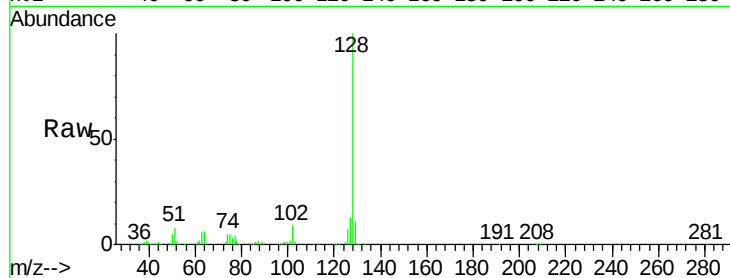
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	343594
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/25/2019 12:39:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 46.904 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055215.D

Acq: 24 Apr 2019 9:41

Tgt Ion:	180	Resp:	170828
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.2	141.6
145	30.2	15.4	46.1

